

**Database Dictionary and Entity Relationship Diagram of a
Vocational Training Management System for the Ministry of
Labor**

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1. Database Dictionary and Entity Relationship Diagram (ERD)

1.1 Database Design Overview

This database design implements all functional and non-functional requirements specified in the SRS document for the Palestinian Vocational Training Management System. The design follows Microsoft SQL Server best practices and ISO naming standards. System Lookups have been separated into distinct tables for clarity and to better reference their contents. However, our recommendation is to consolidate them into two main tables: one for classifications (categories) and another for lookups. Detailed definitions are provided at the end of this section

1.2 Naming Conventions

Tables: PascalCase, plural nouns (e.g., User, TrainingCourse)

Fields: PascalCase (e.g., Id, FirstName)

Primary Keys: Named as Id or TableNameId for foreign keys

Foreign Keys: Named as EntityId (e.g., UserId, TrainingCourseId)

Constraints: Named as CK_TableName_FieldName_Rule

Indexes: Named as IX_TableName_IndexedField(s)

1.3 Core Tables

USERS

Stores all system users with their authentication details and profile information.

Table 1: Users

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key for the user
Username	NVARCHAR(50)	UNIQUE, NOT NULL	Username for login
PasswordHash	VARBINARY(64)	NOT NULL	Encrypted password hash
PasswordSalt	VARBINARY(128)	NOT NULL	Salt for password encryption
Email	NVARCHAR(100)	UNIQUE, NOT NULL	User's email address
PhoneNumber	NVARCHAR(20)		User's phone number
IsActive	BIT	NOT NULL, DEFAULT 1	Flag indicating if account is active
TwoFactorTypeId	INT	NULL, FK	Type of two-factor authentication, not enabled if null
LastLoginDate	DATETIME		Timestamp of last successful login
FailedLoginAttempts	INT	NOT NULL, DEFAULT 0	Count of failed login attempts
LockoutEnd	DATETIME		Timestamp when account lockout ends
LockoutEnabled	BIT	NOT NULL, DEFAULT 0	Flag if lockout enabled
PasswordLastChanged	DATETIME	NOT NULL	Timestamp of last password change
MustChangePassword	BIT	NOT NULL, DEFAULT 0	Flag indicating password change required
RegistrationDate	DATETIME	NOT NULL	Account creation timestamp
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record
UserTypeId	INT	NOT NULL, FK	Type of user (person or institution)
PreferredLanguage	INT	NOT NULL, FK, DEFAULT 0	Preferred language (Arabic, English (En))
EmailConfirmed	BIT	NOT NULL, DEFAULT 0	Flag if email is confirmed
PhoneConfirmed	BIT	NOT NULL, DEFAULT 0	Flag if phone is confirmed
PreferredNotificationChannelId	INT	NOT NULL, DEFAULT 0	Reference to NotificationChannels
ExternalAuthProvider	NVARCHAR(50)		External auth provider if applicable
ExternalAuthId	NVARCHAR(255)		External provider's ID
IsDeleted	BIT	NOT NULL, DEFAULT 0	Soft delete flag
BlockType	INT		Restriction type, prevent user from executing any restricted operations
Settings	NVARCHAR(MAX)		Any extra json settings related to the user

Column	Data Type	Constraints	Description	Reference Table
Id	INT	PK, NOT NULL	Primary key for the user	
Username	NVARCHAR(50)	UNIQUE, NOT NULL	Username for login	
PasswordHash	VARBINARY(64)	NOT NULL	Encrypted password hash	
PasswordSalt	VARBINARY(128)	NOT NULL	Salt for password encryption	
Email	NVARCHAR(100)	UNIQUE, NOT NULL	User's email address	
MobileNumber	NVARCHAR(20)	NULL	User's phone number	
IsActive	BIT	NOT NULL, DEFAULT 1	Flag indicating if account is active	
TwoFactorTypeId	INT	NULL, FK	Type of two-factor authentication, not enabled if null	NotificationChannels
LastLoginDate	DATETIME	NULL	Timestamp of last successful login	
FailedLoginAttempts	INT	NOT NULL, DEFAULT 0	Count of failed login attempts	
LockoutEnd	DATETIME	NULL	Timestamp when account lockout ends	
LockoutEnabled	BIT	NOT NULL, DEFAULT 0	Flag if lockout enabled	
PasswordLastChanged	DATETIME	NOT NULL	Timestamp of last password change	
MustChangePassword	BIT	NOT NULL, DEFAULT 0	Flag indicating password change required	
RegistrationDate	DATETIME	NOT NULL	Account creation timestamp	
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp	
ModifiedBy	INT	NULL, FK	User who last modified this record	Users
UserTypeId	INT	NOT NULL, FK	Type of user (person or institution)	UserTypes
PreferredLanguage	INT	NOT NULL, FK, DEFAULT 0	Preferred language (Arabic, English (En))	Languages
EmailConfirmed	BIT	NOT NULL, DEFAULT 0	Flag if email is confirmed	
MobileConfirmed	BIT	NOT NULL, DEFAULT 0	Flag if phone is confirmed	
PreferredNotificationChannelId	INT	NOT NULL, DEFAULT 0	Reference to NotificationChannels	NotificationChannels
ExternalAuthProvider	NVARCHAR(50)	NULL	External auth provider if applicable	
ExternalAuthId	NVARCHAR(255)	NULL	External provider's ID	
IsDeleted	BIT	NOT NULL, DEFAULT 0	Soft delete flag	
BlockType	INT	NULL	Restriction type, prevent user from executing any restricted operations	
Settings	NVARCHAR(MAX)	NULL	Any extra json settings related to the user	

ROLES

Defines roles for role-based access control (RBAC).

Table 2: Roles

Column	Data Type	Constraints	Description	Reference Table
Id	INT	PK, NOT NULL	Primary key	
Name	NVARCHAR(50)	UNIQUE, NOT NULL	Role name in Arabic	
NameEn	NVARCHAR(50)	UNIQUE, NOT NULL	Role name in English	
Description	NVARCHAR(255)	NULL	Role description	
IsSystemRole	BIT	NOT NULL, DEFAULT 0	If true, this is a system-defined role that cannot be modified	
IsEnabled	BIT	NULL	If true, means the role could be assigned	
CreatedDate	DATETIME	NOT NULL	Creation timestamp	
CreatedBy	INT	NULL, FK	User who created this role	Users
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp	
ModifiedBy	INT	NULL, FK	User who last modified this role	Users
ParentRoleId	INT	NULL, FK	Optional parent role for hierarchical roles	Roles
CenterId	INT	NULL, FK	Training center if role is center-specific	TrainingCenters

ACTION TYPES

Contains all system action types represented by "MANAGE" in acronyms table, used to identify and control available user operations within the application like (print, export, import, suspend, proceed, pause, play).

Table 3: ActionTypes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
ActionType	NVARCHAR(50)	NOT NULL	Action type (عرض، إضافة، تعديل، حذف، إلخ)
ActionTypeEn	NVARCHAR(50)	NOT NULL	Action type (View, Add, Edit, Delete, Approve, Reject, etc.)

PAGE ACTIONS

Defines the set of page-level actions that can be used for assigning permissions to roles.

Table 4: Page Actions

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Arabic Permission name
NameEn	NVARCHAR(100)	UNIQUE, NOT NULL	English Permission name
Description	NVARCHAR(255)		Permission description
PagePath	NVARCHAR(500)	NOT NULL	Path to the application page/controller
ActionTypeId	INT	NOT NULL, FK	Action type (View, Add, Edit, Delete, Approve, Reject, etc.)
IsSystemPermission	BIT	NOT NULL, DEFAULT 0	If true, this is a system-defined permission that cannot be modified
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this role
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this role

ROLE PERMISSION

Associates roles with permissions.

Table 5: RolePermissions

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
RoleId	INT	NOT NULL, FK	Foreign key to Role
PageActionId	INT	NOT NULL, FK	Foreign key to PageActions
AssignedDate	DATETIME	NOT NULL	Date permission was assigned to role
AssignedBy	INT	NULL, FK	User who assigned this permission
IsActive	BIT	NOT NULL, DEFAULT 1	Flag indicating if permission is active

USER ROLES

Associates users with their roles for RBAC implementation.

Table 6: UserRoles

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
UserId	INT	NOT NULL, FK	Foreign key to User
RoleId	INT	NOT NULL, FK	Foreign key to Role
AssignedDate	DATETIME	NOT NULL	Date role was assigned
AssignedBy	INT	NULL, FK	User who assigned this role
ExpiryDate	DATETIME	NULL	Optional expiration date for temporary role assignments
IsActive	BIT	NOT NULL, DEFAULT 1	Whether this role assignment is active

USER TYPES

Define system user types.

Table 7: User Types

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(50)	UNIQUE, NOT NULL	Type name (شخصي، مركز تدريب، ممول)
NameEn	NVARCHAR(50)	UNIQUE, NOT NULL	Type name (Person, Training Center, Funder)
Description	NVARCHAR(255)		Type description

NOTIFICATION CHANNELS

Define lookups list of system notifications types (System, Email, SMS), users will select their preferences to receive notification and/or two factor authentications.

Table 8: NotificationChannels

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key for the user
PreferenceType	NVARCHAR(50)	NOT NULL	Arabic Description
PreferenceTypeEn	NVARCHAR(50)	NOT NULL	English Description (SMS, Email, System)

PERSON PROFILES

Extends User table with person-specific profile information.

Table 9: PersonProfiles

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key (same as UserId)
UserId	INT	UNIQUE, NOT NULL, FK	Foreign key to User
FirstName	NVARCHAR(50)	NOT NULL	First name in Arabic
SecondName	NVARCHAR(50)	NULL	Second name in Arabic
ThirdName	NVARCHAR(50)	NULL	Third name in Arabic
LastName	NVARCHAR(50)	NOT NULL	Last name in Arabic
FirstNameEn	NVARCHAR(50)	NULL	First name in English
SecondNameEn	NVARCHAR(50)	NULL	Second name in English
ThirdNameEn	NVARCHAR(50)	NULL	Third name in English
LastNameEn	NVARCHAR(50)	NULL	Last name in English
IdentityNumber	NVARCHAR(50)	NULL, UNIQUE	National ID number
IdentityTypeId	INT	NOT NULL, FK	Type of identity document, Reference to table Lookups
CountryId	INT	NOT NULL, FK	Reference to Countries Table
DateOfBirth	DATE	NOT NULL	Date of birth
GenderId	INT	NOT NULL, FK	Gender, Reference to table Genders
ProfilePicture	INT	NULL	Reference to attachments table
MaritalStatusId	INT	NOT NULL, FK	Marital status, Reference to table Lookups
NationalityId	INT	NOT NULL, FK	Nationality, Reference to table Countries
Address	NVARCHAR(255)	NULL	Residential address
CityId	Id	NULL	City of residence, Reference to table Cities
GovernorateProvinceId	INT	NULL, FK	Governorate/province ID, Reference to table Governorates
BirthPlace	NVARCHAR(50)	NOT NULL	Full Birth Place Address, ex: UAE, Abu Dabi,...
DeathDate	DATE	NULL	Updated by Ministry of Interior
HealthStatusId	INT	NOT NULL, FK, DEFAULT 1	1:Healthy, Reference to table Lookups
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this role
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this role

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key (same as UserId)
UserId	INT	UNIQUE, NOT NULL, FK	Foreign key to User
FirstName	NVARCHAR(50)	NOT NULL	First name in Arabic
SecondName	NVARCHAR(50)	NULL	Second name in Arabic
ThirdName	NVARCHAR(50)	NULL	Third name in Arabic
LastName	NVARCHAR(50)	NOT NULL	Last name in Arabic
FirstNameEn	NVARCHAR(50)	NULL	First name in English
SecondNameEn	NVARCHAR(50)	NULL	Second name in English
ThirdNameEn	NVARCHAR(50)	NULL	Third name in English
LastNameEn	NVARCHAR(50)	NULL	Last name in English
IdentityNumber	NVARCHAR(50)	NULL, UNIQUE	National ID number
IdentityTypeId	INT	NOT NULL, FK	Type of identity document, Reference to table Lookups
CountryId	INT	NOT NULL, FK	Reference to Countries Table
DateOfBirth	DATE	NOT NULL	Date of birth
GenderId	INT	NOT NULL, FK	Gender, Reference to table Genders
ProfilePicture	INT	NULL	Reference to attachments table
MaritalStatusId	INT	NOT NULL, FK	Marital status, Reference to table Lookups
NationalityId	INT	NOT NULL, FK	Nationality, Reference to table Countries
Address	NVARCHAR(255)	NULL	Residential address
CityId	Id	NULL	City of residence, Reference to table Cities
GovernorateId	INT	NULL, FK	Governorate/province ID, Reference to table Governorates
BirthPlace	NVARCHAR(50)	NOT NULL	Full Birth Place Address, ex: UAE, Abu Dabi,...
DeathDate	DATE	NULL	Updated by Ministry of Interior
HealthStatusId	INT	NOT NULL, FK, DEFAULT 1	1:Healthy, Reference to table Lookups
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this role
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this role

DISABILITY TYPES

Lookups table for all types of disabilities

Table 10: DisabilityTypes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
DisabilityType	NVARCHAR(50)	NOT NULL	نوع الإعاقة (سمعية، بصرية،...الخ)
DisabilityTypesEn	NVARCHAR(50)	NOT NULL	Disability Type(Hearing, Vision,...etc)

PERSON PROFILE DISABILITY

To list all user disabilities, UserId and DisabilityTypeId are the primary key of this table

Table 11: PersonProfileDisability

Column	Data Type	Constraints	Description
UserId	INT	PK, NOT NULL, FK	Foreign key to User
DisabilityTypeId	NVARCHAR(50)	PK, NOT NULL, FK	نوع الإعاقة (سمعية، بصرية.... الخ)
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this role
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this role

INSTITUTION PROFILE

Extends User table with institution-specific profile information.

Table 12: InstitutionProfiles

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key (same as UserId)
UserId	INT	UNIQUE, NULL, FK	Foreign key to Owner User
InstitutionName	NVARCHAR(100)	NOT NULL	Institution name in Arabic
InstitutionNameEn	NVARCHAR(100)	NULL	Institution name in English
InstitutionTypeId	INT	NULL	Reference to InstitutionTypes
RegistrationNumber	NVARCHAR(50)	NULL, UNIQUE	Official registration number
FoundingDate	DATE	NULL	Institution founding date
LegalStatusId	INT	NULL, FK	Legal status ID
TaxNumber	NVARCHAR(50)	NULL	Tax identification number
VatNumber	NVARCHAR(50)	NULL	VAT number if applicable
WebsiteUrl	NVARCHAR(255)	NULL	Institution website URL
LogoPath	INT	NULL	Institution logo, reference to Attachments table
Address	NVARCHAR(255)	NULL	Physical address
City	INT	NULL, FK	City, reference to Cities Table
GovernorateProvinceId	INT	NULL, FK	Governorate/province ID, reference to Governorates
IsEditAllowed	INT	NULL	Indicates whether this profile is locked for editing
IsActive	BIT	NOT NULL, DEFAULT 1	Whether this record is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

GOVERNORATES

Stores governorate/province information.

Table 13: Governorates

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(50)	NOT NULL	Governorate name in Arabic
NameEn	NVARCHAR(50)		Governorate name in English
CountryId	INT	NOT NULL, DEFAULT 1	Reference to Countries Table, Default 1 Palestine
Code	NVARCHAR(10)		Governorate code
IsActive	BIT	NOT NULL, DEFAULT 1	Whether this record is active
IsDeleted	BIT		Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

CITIES

Stores City information.

Table : Cities

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(50)	NOT NULL	City name in Arabic
NameEn	NVARCHAR(50)	NULL	City name in English
GovernorateId	INT	NOT NULL	Reference to Governorates table
Code	NVARCHAR(10)	NULL	Governorate code
IsActive	BIT	NOT NULL, DEFAULT 1	Whether this record is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

CONTACT INFO

Stores additional contact information for users or institutions.

Table 14: ContactInfo

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
UserId	INT	NOT NULL, FK	Foreign key to User
ContactTypeId	INT	NOT NULL, FK	Type of contact (Phone, Email, Address, etc.)
ContactValue	NVARCHAR(255)	NOT NULL	Contact information value
IsPrimary	BIT	NOT NULL, DEFAULT 0	Whether this is the primary contact of its type
IsVerified	BIT	NOT NULL, DEFAULT 0	Whether contact info has been verified
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp

EDUCATION

Stores educational background information for person users.

Table 15: Education

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
UserId	INT	NOT NULL, FK	Foreign key to User
InstitutionId	INT	NULL, FK	For local institutions
InstitutionName	NVARCHAR(255)	NOT NULL	Name of educational institution
InstCountryId	INT	NULL, FK	Reference to Countries
DegreeId	INT	NOT NULL, FK	Degree or certificate earned
FieldOfStudy	INT	NULL, FK	If the field of study is listed in the lookups table
FieldOfStudy	NVARCHAR(255)	NULL	Field or major
StartDate	DATE	NULL	Start date
EndDate	DATE	NULL	End date
IsCompleted	BIT	NOT NULL, DEFAULT 1	Whether education was completed
GradeOrGPA	NVARCHAR(20)	NULL	Grade or GPA
AttachmentPathId	INT	NULL	Path to uploaded certificate, reference to Attachments table
VisibleInCV	BIT	NOT NULL, DEFAULT 1	Whether to show in CV
CreatedDate	DATETIME	NOT NULL	Creation timestamp
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
IsVerified	BIT	NULL	Whether contact info has been verified
VerifiedBy	INT	NULL, FK	User who last modified this record
VerificationSource	NVARCHAR(MAX)	NULL	The verification source, like other systems data or MOHE
VerificationDate	DATETIME	NULL	Verification timestamp
IsDeleted	BIT	NULL	Whether this record is visible in the interface

WORK EXPERIENCE

Stores work experience information for person users.

Table 16: WorkExperience

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
UserId	INT	NOT NULL, FK	Foreign key to User
EmployerId	INT	NULL, FK	Reference list of local institutions
EmployerName	NVARCHAR(255)	NOT NULL	Employer name
JobTitle	NVARCHAR(100)	NOT NULL	Job title
StartDate	DATE	NOT NULL	Start date
EndDate	DATE		End date (null if current)
IsCurrent	BIT	NOT NULL, DEFAULT 0	Whether this is current job
JobDescription	NVARCHAR(MAX)		Job description
EmployerLocation	NVARCHAR(100)		Employer location
EmployerContact	NVARCHAR(max)		Employer contact info in JSON format (Phone, Email, Mobile)
VisibleInCV	BIT	NOT NULL, DEFAULT 1	Whether to show in CV
CreatedDate	DATETIME	NOT NULL	Creation timestamp
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
IsVerified	BIT		Whether contact info has been verified
VerifiedBy	INT	NULL, FK	User who last modified this record
VerificationSource	NVARCHAR(MAX)		The verification source, like other systems data or Employer
VerificationDate	DATETIME		Verification timestamp
IsDeleted	BIT		Whether this record is visible in the interface

SKILLS

Stores skills for person users.

Table 17: Skills

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
UserId	INT	NOT NULL, FK	Foreign key to User
SkillName	NVARCHAR(100)	NOT NULL	Skill name
ProficiencyLevel	NVARCHAR(50)		Proficiency level
YearsOfExperience	INT		Years of experience with skill
VisibleInCV	BIT	NOT NULL, DEFAULT 1	Whether to show in CV
CreatedDate	DATETIME	NOT NULL	Creation timestamp
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
IsDeleted	BIT		Whether this record is visible in the interface

1.4 Center Management Tables

TRAINING CENTERS

Stores information about all training centers (both public and private).

Table 18: TrainingCenters

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
CenterTypeId	INT	NOT NULL, FK	Center type (PVTC, GVTC)
InstitutionId	INT	NOT NULL, FK	Foreign key to InstitutionProfile
SupervisingCenterId	INT	NULL, FK	GVTC that supervises this center (for PVTCS)
OwnerId	INT	NULL, FK	User Id who own the center
OwnerName	NVARCHAR(100)		The owner name if the owner Id is null
ManagerId	INT	NULL, FK	User Id who manage the center
ManagerName	NVARCHAR(100)		The manager name if the manager Id is null
LicenseNumber	NVARCHAR(50)	NULL, UNIQUE	License number (for PVTCS)
LicenseStatus	NVARCHAR(50)		License status (Active, Pending, Suspended, etc.)
LicenseIssueDate	DATE		Date license was issued
LicenseExpiryDate	DATE		Date license expires
EstablishmentDate	DATE		Date center was established
BuildingOwnershipTypeId	INT		Reference to Lookups table
AreaSize	DECIMAL(10, 2)		Total area size in square meters
VocationalRoomCount	INT		Count of Vocational Room
AdministrativeRoomCount	INT		Count of Administrative Rooms
Vission	NVARCHAR(MAX)		HTML Content
Mission	NVARCHAR(MAX)		HTML Content
Goals	NVARCHAR(MAX)		HTML Content
StaffCount	INT		Totla number of center staff
AllowOverlappingCourses	BIT	NOT NULL, DEFAULT 0	Whether center can schedule overlapping courses
MaxStudentsPerCourse	INT		Default max students per course
IsActive	BIT	NOT NULL, DEFAULT 1	Whether center is active
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record
LastLicenseRenewalDate	DATE		Last license renewal date
NextLicenseRenewalDate	DATE		Next license renewal date
LicenseRenewalStatus	NVARCHAR(50)		Current license renewal status

TRAINING CENTER OWNERS

To list all the training centr owners.

Table 19: TrainingCenterOwners

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
OwnerId	INT	NULL, FK	User Id who own the center
OwnerName	NVARCHAR(100)	NULL	The owner name if the owner Id is null
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

CENTER TYPES

Defines types of training centers.

Table 20: CenterTypes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(50)	UNIQUE, NOT NULL	Type name (مركز خاص, مركز حكومي)
NameEn	NVARCHAR(50)	UNIQUE, NULL	Type name (PVTC, GVTC)
Description	NVARCHAR(255)		Type description
Code	NVARCHAR(10)		Center type code

CENTER STAFF.

Stores staff information for training centers.

Table 21: CenterStaff

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
CenterId	INT	NOT NULL, FK	Foreign key to TrainingCenter
UserId	INT	NULL, FK	Foreign key to User
FullName	NVARCHAR(100)	NULL	If userId is null this must not be null
IdentityId	NVARCHAR(20)	NULL	If userId is null this must not be null
IdentityTypeId	INT	NULL	Reference to IdentityTypes table
DateOfBirth	DATE	NULL	If userId is null this must not be null
Major	NVARCHAR(100)	NULL	
LastDegreeId	INT	NULL	Reference to CertificateDegrees
JobDescription	NVARCHAR(255)	NULL	
OldJob	NVARCHAR(255)	NULL	
YearsOfExperience	INT	NULL	
FieldVisitId	INT	NULL	if this info inserted to after field visit
ApplicationId	INT	NULL	if this info inserted to license/renewal App.
StaffTypeId	INT	NOT NULL, FK	Staff type (Admin, Trainer, Manager, etc.)
Position	NVARCHAR(100)	NULL	Staff position/title
HireDate	DATE	NULL	Date staff was hired
EndDate	DATE	NULL	End date (if no longer employed)
IsActive	BIT	NOT NULL, DEFAULT 1	Whether staff is active
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record
IsReviewed	BIT	NULL	Flag indicate this record valid
IsDeleted	BIT	NULL	Whether this record is visible in the interface

STAFF TYPES.

Stores type of staff depending on role.

Table 22: StaffTypes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(50)	UNIQUE, NOT NULL	Type name (المعلم، مدير، الخ)
NameEn	NVARCHAR(50)	UNIQUE, NULL	Type name (Admin, Trainer, Manager, etc.)
Description	NVARCHAR(255)	NULL	Type description
Code	NVARCHAR(10)	NULL	Staff type code
IsMandatoryForApplication	BIT	NOT NULL, DEFAULT 1	Flag indicate this type is mandatory to be filled in application

STAFF SUMMARY.

Stores training center staff summary.

Table 23: StaffSummary

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary Key
ApplicationId	INT	NULL, FK	If this summary related to application
CenterId	INT	NULL, FK	Reference to Cetners Table
StaffTypeId	INT	NULL, FK	Reference to StaffTypes
Count	INT	NOT NULL	
IsActive	BIT	NOT NULL, DEFAULT 1	Whether staff is active
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record
IsDeleted	BIT	NULL	Whether this record is visible in the interface

CENTER ROOM TYPES.

Stores lookups about training center room types.

Table 24: RoomTypes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	RoomTypes (مختبر كويوتر، غرفة تدريس،)
NameEn	NVARCHAR(100)	UNIQUE, NULL	RoomTypes (Classroom, Workshop, Lab, etc.)
Description	NVARCHAR(255)	NULL	Type description
RoomTypeId	INT	NULL, FK	Parent type Id, (غرفة إدارية: غرفة المدير، غرفة مدرسين، غرفة موظف)
Code	NVARCHAR(10)	NULL	Equipment type code
IsMandatoryForApplication	BIT	NOT NULL, DEFAULT 1	Whether this type is mandatory to accept the license app
IsActive	BIT	NOT NULL, DEFAULT 1	Whether equipment is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

CENTER ROOMS.

Stores information about rooms in training centers, the count field is the number of rooms of the same type

Table 25: CenterRooms

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
CenterId	INT	NOT NULL, FK	Foreign key to TrainingCenter
FieldVisitId	INT	NULL, FK	When this record related to field visit
RoomName	NVARCHAR(100)	NOT NULL	Room name
RoomType	INT	NOT NULL, FK	RoomTypes (Classroom, Workshop, Lab, etc.)
Count	INT	NOT NULL, DEFAULT 1	Number of rooms of the same type
Capacity	INT	NOT NULL	Maximum capacity
AreaSize	DECIMAL(10, 2)	NULL	Area size in square meters
IsActive	BIT	NOT NULL, DEFAULT 1	Whether room is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
Description	NVARCHAR(MAX)	NULL	Room description
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

CENTER EQUIPMENT.

Stores information about equipment in training centers.

Table 26: CenterEquipment

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
CenterId	INT	NOT NULL, FK	Foreign key to TrainingCenter
EquipmentTypeId	INT	NOT NULL, FK	Equipment type
Name	NVARCHAR(100)	NOT NULL	Equipment name
Quantity	INT	NOT NULL, DEFAULT 1	Quantity
AcquisitionDate	DATE	NULL	Date acquired
Status	NVARCHAR(50)	NOT NULL	Status (Working, Maintenance, etc.)
SerialNumber	NVARCHAR(100)	NULL	Serial number
Description	NVARCHAR(MAX)	NULL	Equipment description
IsActive	BIT	NOT NULL, DEFAULT 1	Whether equipment is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
CenterId	INT	NOT NULL, FK	Foreign key to TrainingCenter
EquipmentTypeId	INT	NOT NULL, FK	Equipment type
Name	NVARCHAR(100)	NOT NULL	Equipment name
Quantity	INT	NOT NULL, DEFAULT 1	Quantity
Unit	INT	NOT NULL, FK	Referent to Lookups Table, ex: dozens, carton, box
AcquisitionDate	DATE	NULL	Date acquired
Status	NVARCHAR(50)	NOT NULL	Status (Working, Maintenance, etc.)
SerialNumber	NVARCHAR(100)	NULL	Serial number
Description	NVARCHAR(MAX)	NULL	Equipment description
IsActive	BIT	NOT NULL, DEFAULT 1	Whether equipment is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

EQUIPMENT TYPES.

Defines types of equipment.

Table 27: EquipmentTypes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Type name
NameEn	NVARCHAR(100)	UNIQUE, NULL	Type name - English
Description	NVARCHAR(255)	NULL	Type description
CategoryId	INT	NULL, FK	Equipment category, referent to Lookups Table
Code	NVARCHAR(10)	NULL	Equipment type code
IsActive	BIT	NOT NULL, DEFAULT 1	Whether equipment is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

CENTER FURNITURE.

Stores information about furniture in training centers.

Table 28: CenterFurniture

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
CenterId	INT	NOT NULL, FK	Foreign key to TrainingCenter
FurnitureTypeId	INT	NOT NULL, FK	Furniture type, FK: FurnitureTypes
Name	NVARCHAR(100)	NOT NULL	Furniture name
Quantity	INT	NOT NULL, DEFAULT 1	Quantity
AcquisitionDate	DATE	NULL	Date acquired
Status	NVARCHAR(50)	NOT NULL	Status (Good, Damaged, etc.)
Description	NVARCHAR(MAX)	NULL	Furniture description
IsActive	BIT	NOT NULL, DEFAULT 1	Whether furniture is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

FURNITURE TYPES.

Defines types of furniture.

Table 29: FurnitureTypes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Type name
NameEn	NVARCHAR(100)	UNIQUE, NOT NULL	Type name
Description	NVARCHAR(255)	NULL	Type description
CategoryId	INT	NULL, FK	Equipment category, referent to Lookups Table
Code	NVARCHAR(10)	NULL	Furniture type code
IsActive	BIT	NOT NULL, DEFAULT 1	Whether furniture is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

CENTER FUNDINGS

Stores information about funding sources for centers.

Table 30: CenterFundings

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
CenterId	INT	NOT NULL, FK	Foreign key to TrainingCenter
FunderId	INT	NULL, FK	Foreign key to Funder
FunderName	NVARCHAR(100)	NULL	Funder name when FunderId is null
FundingAmount	DECIMAL(18, 2)	NULL	Funding amount
FundingMechanismId	INT	NULL, FK	funding mechanism, such as monthly...
TrainingCourseId	INT	NULL, FK	Fund for specific training course
FundingCurrency	INT	NULL	Currency
StartDate	DATE	NOT NULL	Start date of funding
EndDate	DATE	NULL	End date of funding
FundingPurpose	NVARCHAR(MAX)	NULL	Purpose of funding
IsDeleted	BIT	NULL	Whether this record is visible in the interface
IsActive	BIT	NOT NULL, DEFAULT 1	Whether funding is active
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

FUNDING MECHANISMS.

Stores information about funding mechanisms.

Table 31: FundingMechanisms

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Type (شهري، سنوي، دورة تدريبية)
NameEn	NVARCHAR(100)	UNIQUE, NOT NULL	Type (monthly, annual, or training-specific funding)

FUNDERS

Stores information about funding organizations.

Table 32: Funders

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	NOT NULL	Funder name
NameEn	NVARCHAR(100)	NULL	Funder name in English
AdminUserId	INT	NULL, FK	User who Manage this Institution
ContactPerson	NVARCHAR(100)	NULL	Contact person
ContactEmail	NVARCHAR(100)	NULL	Contact email
ContactPhone	NVARCHAR(20)	NULL	Contact phone
LogoPath	NVARCHAR(MAX)	NULL	Path to funder logo
WebsiteUrl	NVARCHAR(255)	NULL	Funder website URL
Description	NVARCHAR(MAX)	NULL	Funder description
IsActive	BIT	NOT NULL, DEFAULT 1	Whether funder is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

1.5 Licensing and Workflow Tables

LICENSES

Stores information about licenses for private vocational training centers.

Table 33: Licenses

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
CenterId	INT	NOT NULL, FK	Foreign key to TrainingCenter
LicenseNumber	NVARCHAR(50)	UNIQUE, NOT NULL	License number
LicenseTypeId	INT	NOT NULL, FK	License type
QRCodeImageId	INT	NULL	FK to attachments table
IssueDate	DATE	NOT NULL	Issue date
ExpiryDate	DATE	NOT NULL	Expiry date
Status	INT	NOT NULL, FK	Status (Active, Suspended, Expired, etc.)
IssuedBy	INT	NULL, FK	User who issued the license
RenewalCount	INT	NOT NULL, DEFAULT 0	Number of times license has been renewed
Notes	NVARCHAR(MAX)	NULL	License notes
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

LICENSE STATUSES.

Store License Statuses.

Table 34: LicenseStatuses

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Type name (فعال، متوقف، منتهي، إلخ)
NameEn	NVARCHAR(100)	UNIQUE, NOT NULL	Status (Active, Suspended, Expired, etc.)
Code	NVARCHAR(10)	NULL	License type code

LICENSE TYPES.

Define types of licenses.

Table 35: LicenseTypes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Type name (جديد، تجديد، إلخ)
NameEn	NVARCHAR(100)	UNIQUE, NOT NULL	Type name (New, Renewal, etc.)
Description	NVARCHAR(255)	NULL	Type description
ValidityPeriod	INT	NOT NULL	Validity period in months
Code	NVARCHAR(10)	NULL	License type code

FEE TYPES.

Stores the different types of fees applicable within the system. Includes a predefined fee type for certificate issuance, which shall have a default value of zero for students enrolled in public training centers.

Table 36: FeeTypes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Type name (رسوم إصدار شهادة) ...)
NameEn	NVARCHAR(100)	UNIQUE, NOT NULL	Type name (Licensing fees, cert. issuance, etc.)
FeesAmount	DECIMAL(18, 2)	NOT NULL	Fees Amount
Description	NVARCHAR(255)	NULL	Type description
CurrencyId	INT	NOT NULL, FK	Reference to Lookups Table
StartDate	DATETIME		date for taking effect
EndDate	DATETIME		Completion Date of suing this fee
IsActive	BIT	NOT NULL, DEFAULT 1	Whether funding is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

PAYMENTS.

Store all payment transactions for all system applications.

Table 37: Payments

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
FeeTypeId	INT	NOT NULL, FK	FK to Fee Types
PaymentReference	NVARCHAR(100)	NULL	Payment reference number/Receipt Number
PaymentDate	DATE	NULL	Payment date
StatusId	INT	NULL	Payment Statuses
AttachmentPathId	INT	NOT NULL	Voucher attachment, reference to Attachments table
CreatedDate	DATETIME2	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME2	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record
IsReviewed	BIT	NULL	Flag indicate the payment info valid

PAYMENT STATUSES.

Payment review lookups.

Table 38: PaymentStatuses

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Status name
NameEn	NVARCHAR(100)	UNIQUE, NOT NULL	Status name(Accepted, Refund, Rejected, invalid, etc)
Description	NVARCHAR(255)	NULL	Type description
Category	NVARCHAR(50)	NULL	Furniture category
Code	NVARCHAR(10)	NULL	Furniture type code
IsActive	BIT	NOT NULL, DEFAULT 1	Whether furniture is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME2	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME2	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

LICENSE APPLICATIONS.

Stores all license application records submitted by training centers to the GVTC and GDVT. It tracks the full application lifecycle, including submission, approval, license issuance, certificate printing and delivery status, with audit details for each step.

Table 39: LicenseApplications

Column	Data Type	Constraints	Description
ApplicationID	INT	PK, NOT NULL	Primary key
CenterId	INT	NULL, FK	Foreign key to TrainingCenter
ApplicationTypeID	INT	NULL, FK	Foreign key to ApplicationTypes
SubmissionDate	DATETIME	NOT NULL	Submission Date to GVTC
StatusID	INT	NOT NULL	Application Progress Status
StatusChangeDate	DATETIME	NOT NULL	Date of progress changed
LicenseNumber	NVARCHAR(100)	NULL	Generated License after final approval
LicenseIssueDate	DATE	NULL	Issue Date
LicenseExpiryDate	DATE	NULL	Expiry Date
PaymentId	DATE	NULL, FK	FK to Payments
GVTCRecommendation	NVARCHAR(MAX)	NULL	Governmental VTC Recommendation
GVTCApprovalDate	DATETIME	NULL	Governmental VTC Approval date
GVTCApprovedBy	INT	NULL	Governmental VTC User Id
GDVTApprovalDate	DATETIME	NULL	General Directorate Approval date
GDVTApprovedBy	INT	NULL	General Directorate User Id
RejectionReason	NVARCHAR(MAX)	NULL	Rich html text container, contains attachments
QRCodeImageId	INT	NULL	FK to attachments table
IsCertificatePrinted	BIT	NULL	Printed for Signing
CertificatePrintedBy	INT	NULL	User who printed
CertificatePrintedDate	DATETIME	NULL	Print date
IsCertificateSigned	BIT	NULL	Flag indicate the liscense is signed and ready to delever
CertificateSignedDate	DATETIME	NULL	Sign date
IsCertificateDelivered	BIT	NULL	Flag indicate the delevary status to the Center
CertificateDeliveryInfo	NVARCHAR(MAX)	NULL	To descrip the delevary information, by, to, it could be json continer
CreatedAt	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NOT NULL	User who created this record
UpdatedAt	DATETIME	NULL	Last modification timestamp
UpdatedBy	INT	NULL	User who last modified this record

LICENSE APPLICATION GOV NOTES.

Stores all GVTC and GDVT notes on license application, including field visit suggestions and recommendations.

Table 40: LicenseApplicationGovNotes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Note	NVARCHAR(max)	NOT NULL	Status name
LicenseApplicationId	INT	NOT NULL, FK	FK to LicenseApplications
IsOpenForDiscussion	BIT	NOT NULL, DEFAULT 1	Flag indicate this note open for discussion
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME2	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME2	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record
IsFixed	BIT	NOT NULL, DEFAULT 1	Whether furniture is active
FixedDate	DATETIME2	NOT NULL	Creation timestamp
FixedBy	INT	NULL, FK	User who created this record

LICENSE APP GOV NOTES DISCUSSION.

To store the discussion between the license initiator and governmental center and MoL.

Table 41: LicenseAppGovNotesDiscussion

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Reply	NVARCHAR(max)	NOT NULL	User reply to the note
LicenseAppGovNoteId	INT	NOT NULL, FK	FK to LicenseApplicationGovNotes
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME2	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME2	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

CENTER SUPERVISORS.

To store training center supervisors.

Table 42: CenterSupervisors

Column	Data Type	Constraints	Description
CenterId	INT	PK, NULL, FK	Foreign key to TrainingCenter
SupervisorId	INT	PK, NULL, FK	User who created this record
RoleId	INT	PK, NULL, FK	Reference to roles table
IsActive	BIT	NOT NULL, DEFAULT 1	Whether furniture is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME2	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME2	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

PARTNERS.

To store training PV and GV center partners.

Table 43: Partners

Column	Data Type	Constraints	Description
PartnerID	INT (Primary Key)	PK, NOT NULL	Primary key
PartnerName	NVARCHAR(100)	NOT NULL	Name of the partner.
ContactPerson	NVARCHAR(100)	NOT NULL	Contact person for the partner.
ContactUserId	INT	NULL, FK	Contact person for the partner, when he has an account in the system
ContactEmail	NVARCHAR(100)	NOT NULL	Email address of the contact person.
ContactPhone	NVARCHAR(20)	NOT NULL	Phone number of the contact person.
IsActive	BIT	NOT NULL, DEFAULT 1	Whether furniture is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

PVTC GVTC SUPERVISORS.

To store private training center public training center supervisor.

Table 44: PVTC_GVTCSupervisors

Column	Data Type	Constraints	Description
PVCenterId	INT	PK, NOT NULL, FK	Foreign key to TrainingCenter
GVCenterId	INT	PK, NOT NULL, FK	Foreign key to TrainingCenter
IsActive	BIT	NOT NULL, DEFAULT 1	Whether furniture is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

FIELD VISITS.

Stores information related to field visits conducted to training centers.

Table 45: FieldVisits

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
CenterId	INT	NOT NULL, FK	Foreign key to TrainingCenter
ApplicationId	INT	NULL, FK	Reference to Application Which type is in the next field
VisitPurpose	NVARCHAR(100)	NOT NULL	Purpose of visit
ScheduledDateTime	DATETIME	NOT NULL	Scheduled date
ActualDateTime	DATETIME	NULL	Actual date visit occurred
Status	NVARCHAR(50)	NOT NULL	Status (Scheduled, Completed, Cancelled, etc.)
VisitTypeId	INT	NOT NULL, FK	Visit type
SupervisorId	INT	NOT NULL, FK	User conducting the visit
ApprovalStatus	NVARCHAR(50)	NULL	Center's approval of visit report
ApprovalDate	DATETIME	NULL	Date report was approved by center
Notes	NVARCHAR(MAX)	NULL	Visit notes
NextVisitDate	DATETIME	NULL	When next visit will be held
IsDeleted	BIT	NULL	To hide the record from being visible to system users
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

VISIT TYPE.

Defines types of field visits (Initial, Follow-up, etc.).

Table 46: VisitType

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Type name (زيارة أولية، زيارة متابعة)
NameEn	NVARCHAR(100)	UNIQUE, NOT NULL	Type name (Initial, Follow-up, etc.)
Description	NVARCHAR(255)	NULL	Type description
Code	NVARCHAR(10)	NULL	Visit type code

FIELD VISIT REPORT.

Stores report information for field visits.

Table 47: FieldVisitReport

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
FieldVisitId	INT	UNIQUE, NOT NULL, FK	Foreign key to FieldVisit
CenterManagerSuggestions	NVARCHAR(MAX)	NULL	Html content or json list of strings
AgreedActions	NVARCHAR(MAX)	NULL	Suggestions Agreed Upon with the Center Director, JSON/HTML
VisitorNote	NVARCHAR(MAX)	NULL	Html content or json list of strings
OverallAssessmentId	INT	NULL	Reference to OverallAssessment table
GDVTDission	NVARCHAR(MAX)	NULL	Html content or json list of strings
AttachmentPathId	INT	NULL, FK	Referenc to the printed and signed report
SubmissionDate	DATETIME	NOT NULL	Date report was submitted
SubmittedBy	INT	NOT NULL, FK	User who submitted report
ApprovalStatus	NVARCHAR(50)	NULL	Approval status
ApprovalDate	DATETIME	NULL	Date report was approved
ApprovedBy	INT	NULL, FK	User who approved report
Notes	NVARCHAR(MAX)	NULL	Report notes
CreatedBy	INT	NULL, FK	User who created this record
CreatedDate	DATETIME	NOT NULL	Creation timestamp
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

ADMINISTRATIVE ASPECTS.

Define the mandatory and optional training center aspects like (Atmosphere, Health Conditions, Fire Safety, ...etc.)

Table 48: AdministrativeAspects

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Aspect Name (الجو العام، الوضع الصحي، وسائل الإطفاء...)
NameEn	NVARCHAR(100)	UNIQUE, NULL	Aspect Name (Atmosphere, Health Conditions, Fire Safety , ...etc.)
Description	NVARCHAR(255)	NULL	Type description
AspectTypeId	INT	NULL, FK	Parent Aspect Id from AdministrativeAspects table
Code	NVARCHAR(10)	NULL	Equipment type code
IsMandatoryForApplication	BIT	NOT NULL, DEFAULT 1	Whether this type is mandatory to accept the license app
IsActive	BIT	NOT NULL, DEFAULT 1	Whether equipment is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

ADMINISTRATIVE ASPECT CONDITIONS.

Store Administrative Aspect Conditions lookup values.

Table 49: AspectConditions

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Condition (مناسب، غير مناسب)
NameEn	NVARCHAR(100)	UNIQUE, NULL	Condition ()
Description	NVARCHAR(255)	NULL	Type description

ADMINISTRATIVE ASPECT REPORT.

Stores the administrative aspect report of the training center based on the field visit.

Table 50: AdministrativeAspectReport

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
FieldVisitId	INT	NOT NULL, FK	Reference to FieldVisits table
AdministrativeAspectId	NVARCHAR(100)	UNIQUE, NULL	Reference to AdministrativeAspect table
AspectConditions	INT	NOT NULL, FK	Reference to AdministrativeAspectConditions
Note	NVARCHAR(255)	NULL	
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

OVERALL ASSESSMENT.

Store lookups values for Overall Assessment based to be used in field visit report.

Table 51: OverallAssessment

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	مرضي، غير مرضي، ينصح بعدم الموافقة، ينصح بالموافقة، ...
NameEn	NVARCHAR(100)	UNIQUE, NULL	Overall assessment (Satisfactory, Unsatisfactory, etc.)
Description	NVARCHAR(255)	NULL	Type description

TRAINING COURSE CATEGORIES.

Defines categories for training courses.

Table 52: TrainingCourseCategories

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	NOT NULL	(تجميل، كهرباء، حدادة)
NameEn	NVARCHAR(100)	NULL	Category name in English (Beauty, Electrical, Metalwork)
Description	NVARCHAR(MAX)	NULL	Category description
ParentCategoryId	INT	NULL, FK	Parent category if hierarchical
IsActive	BIT	NOT NULL, DEFAULT 1	Whether category is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
Code	NVARCHAR(10)	NULL	Category code
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

TRAINING COURSE CLASSES.

Defines Training course classes, like vocational diploma, training course.

Table 53: TrainingCourseClasses

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	NOT NULL	(دبلوم مهني، دورة تدريبية)
NameEn	NVARCHAR(100)	NULL	Class name in English (Vocational Diploma, Training course)
Description	NVARCHAR(MAX)	NULL	Class description
IsActive	BIT	NOT NULL, DEFAULT 1	Whether category is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
Code	NVARCHAR(10)	NULL	Category code
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

TRAINING COURSE TEMPLATES.

Defines templates for training courses; the approved training courses by GDVT.

Table 54: TrainingCourseTemplates

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Title	NVARCHAR(100)	NOT NULL	Course title
TitleEn	NVARCHAR(100)	NULL	Course title in English
SubjectsList	NVARCHAR(MAX)	NULL	JSON LIST of Recommended Subjects
SubjectsListEn	NVARCHAR(MAX)	NULL	JSON LIST of Recommended Subjects -English
MinimumAcceptanceCriteria	NVARCHAR(MAX)	NULL	JSON LIST of Acceptance Criteria
RequiredEquipmentsLis	NVARCHAR(MAX)	NULL	JSON LIST of Equments
CategoryId	INT	NOT NULL, FK	Foreign key to TrainingCourseCategory
TrainingCourseClasseld	INT	NOT NULL, FK	Foreign key to TrainingCourseClasses
MinimumHours	INT	NOT NULL	Minimum required hours
TrainingCourseTimeTypes	INT	NULL	Referent to Lookups Table, دورات صباحية, دورات مسائية
HoursNumber	INT	NOT NULL	Minimum number of training hours
Description	NVARCHAR(MAX)	NULL	Course description, html
RequiredEquipment	NVARCHAR(MAX)	NULL	Required equipment, JSON LIST
RequiredFacilities	NVARCHAR(MAX)	NULL	Required facilities, JSON LIST
MinRoomSize	DECIMAL(10, 2)	NULL	Minimum room size in square meters
RoomConditions	NVARCHAR(MAX)	NULL	Required room conditions
IsActiveForPVT	BIT	NOT NULL, DEFAULT 1	Whether active for private centers
IsActiveForGVT	BIT	NOT NULL, DEFAULT 1	Whether active for public centers
IsVisibleForPVT	BIT	NOT NULL, DEFAULT 0	Whether visible for private centers
IsVisibleForGVT	BIT	NOT NULL, DEFAULT 0	Whether visible for public centers
IsOverlappingAllowed	BIT	NOT NULL, DEFAULT 0	Indicates whether time schedule overlapping is allowed
ApprovedBy	INT	NULL, FK	User who approved template
ApprovalDate	DATETIME	NULL	Date template was approved
StatusId	INT	NOT NULL	Reference to ApplicationStatuses table
Code	NVARCHAR(10)	NULL	Course template code
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

APPLICATION STATUSES.

Store statuses of applications creation.

Table 55: ApplicationStatuses

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	مسودة، موافقة أولية، معتمد، ..
NameEn	NVARCHAR(100)	UNIQUE, NULL	Status (Draft, Approved, Active, Completed, Cancelled, Waitlisted, etc)
Description	NVARCHAR(255)	NULL	Type description

TRAINING COURSE.

Stores information about training courses.

Table 56: TrainingCourses

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
CenterId	INT	NOT NULL, FK	Foreign key to TrainingCenter
TemplateId	INT	NOT NULL, FK	Foreign key to TrainingCourseTemplate
Title	NVARCHAR(100)	NOT NULL	Course title
TitleEn	NVARCHAR(100)	NULL	Course title in English
Description	NVARCHAR(MAX)	NULL	Course description
CourseCode	NVARCHAR(50)	NULL	Course code
MaxCapacity	INT	NOT NULL	Maximum student capacity
StatusId	INT	NOT NULL	Reference to table ApplicationStatuses
StatusChangeDate	DATETIME	NULL	Date of last status change
StatusChangeReason	NVARCHAR(MAX)	NULL	Reason for status change
CourseType	NVARCHAR(50)	NOT NULL	Type (Public, Private)
IsOverlappingAllowed	BIT	NOT NULL, DEFAULT 0	Whether course can overlap with others
ApprovalStatus	NVARCHAR(50)	NULL	Approval status
ApprovalDate	DATETIME	NULL	Date of approval
ApprovedBy	INT	NULL, FK	User who approved course
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

RUNNING TRAINING COURSES.

Stores the accepted and running training courses based on the approved outline and plan.

Table 57: RunningTrainingCourses

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
TrainingCourseId	INT	NOT NULL, FK	Foreign key to TrainingCourses
ActualPracticalHours	DECIMAL(4, 1)	NOT NULL, DEFAULT 0	Total course Practical hours
ActualTheoreticalHours	DECIMAL(4, 1)	NOT NULL, DEFAULT 0	Total course Theoretical hours
StartDate	DATE	NULL	Start date
EndDate	DATE	NULL	End date
EnrollmentStartDateTime	DATETIME	NULL	Enrollment start date time
EnrollmentEndDateTime	DATETIME	NULL	Enrollment end date time
StatusId	INT	NOT NULL	Reference to table ApplicationStatuses
ApprovalStatus	NVARCHAR(50)	NULL	Approval status
ApprovalDate	DATETIME	NULL	Date of approval
ApprovedBy	INT	NULL, FK	User who approved course
FunderId	INT	NULL, FK	Foreign key to Funder
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

COURSE PLAN.

Stores plan information for training courses.

Table 58: CoursePlan

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
TrainingCourseId	INT	NOT NULL, FK	Foreign key to TrainingCourse
Content	NVARCHAR(MAX)	NOT NULL	Plan content
ParentId	INT	NULL	When it's a details for title
ItemTypeId	INT	NOT NULL, DEFAULT 1	Reference to CoursePlanComponents
ScheduledFromDate	DATE	NULL	Activity starting date
ScheduledToDate	DATE	NULL	Activity end date
Note	NVARCHAR(MAX)	NULL	This field should be concatenated into a single cell in the report, grouped by the Main Title
ApprovalStatus	INT	NULL, FK	Approval status reference to ApplicationStatuses
ApprovalDate	DATETIME	NULL	Date of approval
ApprovedBy	INT	NULL, FK	User who approved plan
Version	INT	NOT NULL, DEFAULT 1	Plan version
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

COURSE PLAN COMPONENTS.

Define list of course plan components lookup.

Table 59: CoursePlanComponents

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	عنوان رئيسي، عنوان فرعي، نشاط نظري، نشاط عملي
NameEn	NVARCHAR(100)	UNIQUE, NULL	Main Title, Subheading, Theoretical, Practical
Description	NVARCHAR(255)	NULL	Type description

COURSE PLAN EQUIPMENTS.

Define list of course plan required equipment for the training course.

Table 60: CoursePlanEquipments

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
CoursePlanId	INT	NOT NULL, FK	Foreign key to CoursePlan
EquipmentId	INT	NULL, FK	Reference to CenterEquipments table
EquipmentTypeId	INT	NOT NULL, FK	If the EquipmentId is null
Equipment	NVARCHAR(255)	NULL	If the EquipmentId is null
IsDeleted	BIT	NULL	Whether this record is visible in the interface
ApprovalStatus	INT	NULL, FK	Approval status reference to ApplicationStatuses
ApprovalDate	DATETIME	NULL	Date of approval
ApprovedBy	INT	NULL, FK	User who approved plan
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

COURSE SCHEDULE.

Stores schedule information for training courses.

Table 61: CourseSchedule

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
RunningTrainingCourseId	INT	NOT NULL, FK	Foreign key to RunningTrainingCourses
RoomId	INT	NOT NULL, FK	Foreign key to CenterRoom
DayOfWeek	INT	NOT NULL	Day of week (1-7, Sunday-Saturday)
StartTime	TIME	NOT NULL	Start time
EndTime	TIME	NOT NULL	End time
ScheduleTypeId	INT	NOT NULL	Reference to ScheduleTypes
SpecificDate	DATE	NULL	Specific date if one-time
IsActive	BIT	NOT NULL, DEFAULT 1	Whether schedule is active
IsCancelled	BIT	NOT NULL, DEFAULT 1	Whether schedule is Cancelled
DeliveryMode	NVARCHAR(50)	NOT NULL	Mode (In-person, Online, Async)
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

COURSE SCHEDULE TYPES.

Stores schedule types for training courses.

Table 62: ScheduleTypes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	يومي، اسبوعي، ساعات محددة، ...
NameEn	NVARCHAR(100)	UNIQUE, NULL	Type (Regular, One-time)

COURSE TRAINER.

Associates trainers with courses.

Table 63: CourseTrainer

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
RunningTrainingCourseId	INT	NOT NULL, FK	Foreign key to RunningTrainingCourses
TrainerId	INT	NOT NULL, FK	Foreign key to CenterStaff (with StaffType = Trainer)
IsActive	BIT	NOT NULL, DEFAULT 1	Whether trainer is active for this course
StartDate	DATE	NULL	Start date for this trainer
EndDate	DATE	NULL	End date for this trainer
ReplacedTrainerId	INT	NULL, FK	Trainer being replaced if applicable
ReplacementReason	NVARCHAR(MAX)	NULL	Reason for replacement
ApprovalStatus	NVARCHAR(50)	NULL	Approval status for replacement
ApprovalDate	DATETIME	NULL	Date of approval
ApprovedBy	INT	NULL, FK	User who approved replacement
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

COURSE ENROLLMENT REQUESTS.

Stores student enrollment request to enroll into open training courses.

Table 64: CourseEnrollmentRequests

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
UserId	INT	NOT NULL, FK	Foreign key to Users
RunningTrainingCourseId	INT	NOT NULL, FK	Referenc to RunningTrainingCourses
EvaluatorId	INT	NOT NULL, FK	User conducting evaluation
EvaluationDate	DATE	NOT NULL	Date of evaluation
StudentEligibilityWeight	DECIMAL(2,2)	NULL	Student Profile + Questionar weight to be accepted
Comments	NVARCHAR(MAX)	NULL	Comments on student
IsEvaluationVisibleToStudent	BIT	NOT NULL, DEFAULT 0	Whether the evaluation visible to student
IsDeleted	BIT	NULL	Whether this record is visible in the interface
ApprovalStatus	INT	NULL, FK	Approval status reference to ApplicationStatuses
ApprovalDate	DATETIME	NULL	Date of approval
ApprovedBy	INT	NULL, FK	User who approved plan
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

COURSE ENROLLMENT.

Stores student enrollment information for courses.

Table 65: CourseEnrollment

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
RunningTrainingCourseId	INT	NOT NULL, FK	Foreign key to RunningTrainingCourses
StudentId	INT	NOT NULL, FK	Foreign key to User
EnrollmentDate	DATETIME	NOT NULL	Enrollment date
StatusId	INT	NOT NULL	Referenc to ApplicationStatuses
StatusChangeDate	DATETIME	NULL	Date of last status change
StatusChangeReason	NVARCHAR(MAX)	NULL	Reason for status change
PercentageMatch	DECIMAL(5, 2)	NULL	Percentage match with admission criteria
DropoutDate	DATETIME	NULL	Date student dropped out if applicable
DropoutReason	NVARCHAR(MAX)	NULL	Reason for dropout
HasReceivedException	BIT	NOT NULL, DEFAULT 0	Whether student received exception for certificate
ExceptionReason	NVARCHAR(MAX)	NULL	Reason for exception
ExceptionApprovedBy	INT	NULL, FK	User who approved exception
ExceptionApprovalDate	DATETIME	NULL	Date exception was approved
IsActive	BIT	NOT NULL, DEFAULT 1	Whether enrollment is active
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

COURSE EXAMS.

Stores exam information for courses.

Table 66: CourseExams

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
RunningTrainingCourseId	INT	NOT NULL, FK	Foreign key to RunningTrainingCourses
ExamTitle	NVARCHAR(100)	NOT NULL	Exam title
ExamDate	DATE	NOT NULL	Exam date
StartTime	TIME	NOT NULL	Start time
EndTime	TIME	NOT NULL	End time
RoomId	INT	NULL, FK	Foreign key to CenterRoom
ExamType	NVARCHAR(50)	NOT NULL	Type (Pre training, final, etc.)
TotalMarks	DECIMAL(10, 2)	NULL	Total possible marks
PassingMarks	DECIMAL(10, 2)	NULL	Marks required to pass
Status	NVARCHAR(50)	NOT NULL	Status (Scheduled, Completed, Cancelled, etc.)
SupervisorId	INT	NULL, FK	User supervising exam
ApprovalStatus	NVARCHAR(50)	NULL	Approval status for scheduling
ApprovalDate	DATETIME	NULL	Date of approval
ApprovedBy	INT	NULL, FK	User who approved scheduling
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedBy	INT	NULL, FK	User who last modified this record
ModifiedDate	DATETIME	NULL	User Who modified this record

EXAM ATTENDANCE.

Store information about attendance student .

Table 67: ExamAttendance

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
RunningTrainingCourseId	INT	NOT NULL, FK	Foreign key to RunningTrainingCourses
StudentId	INT	NOT NULL, FK	Foreign key to User
TotalMarks	DECIMAL(10, 2)	NULL	Total marks
StatusId	INT	NOT NULL	Referenc to EnrollmentStatuses
StatusChangeDate	DATETIME	NULL	Date of last status change
StatusChangeReason	NVARCHAR(MAX)	NULL	Reason for status change
TotalMarks	DECIMAL(5, 2)	NULL	Total mark
HasReceivedException	BIT	NOT NULL, DEFAULT 0	Whether student received exception for certificate
ExceptionReason	NVARCHAR(MAX)	NULL	Reason for exception
ExceptionApprovedBy	INT	NULL, FK	User who approved exception
ExceptionApprovalDate	DATETIME	NULL	Date exception was approved
IsReviewedBySupervisor	BIT	NOT NULL, DEFAULT 1	Whether enrollment is reviewed by GVTC supervisor
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

ATTENDANCE STATUSES.

Stores predefined student attendance statuses such as Present, Absent, and other relevant attendance types for use across the system.

Table 68: AttendanceStatuses

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	حضور، غياب
NameEn	NVARCHAR(100)	UNIQUE, NULL	Type (Present, Absent, Late, Excused, ...)

TRAINING ATTENDANCE.

Stores student attendance records for training courses.

Table 69: TrainingAttendance

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
TrainingCourseScheduleId	INT	NOT NULL, FK	Foreign key to CourseSchedule
StudentId	INT	NOT NULL, FK	Foreign key to User
StatusId	INT	NOT NULL	Referenc to AttendanceStatuses
Comments	NVARCHAR(MAX)	NULL	Excuse or other notes
StatusChangeDate	DATETIME	NULL	Date of last status change
StatusChangeReason	NVARCHAR(MAX)	NULL	Reason for status change
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

CERTIFICATES.

Stores certificate information.

Table 70: Certificates

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
CertificateNumber	NVARCHAR(50)	UNIQUE, NOT NULL	Unique certificate number
StudentId	INT	NOT NULL, FK	Foreign key to User
TrainingCourseId	INT	NOT NULL, FK	Foreign key to TrainingCourse
IssueDate	DATE	NOT NULL	Issue date
TemplateId	INT	NULL, FK	Foreign key to DocumentTemplate
Status	NVARCHAR(50)	NOT NULL	Status (Pending, Issued, Reprinted, etc.)
QRCodeData	NVARCHAR(MAX)	NULL	Data encoded in QR code
PrintRequestDate	DATETIME	NULL	Date print was requested
PrintApprovalDate	DATETIME	NULL	Date print was approved
PrintApprovedBy	INT	NULL, FK	User who approved print
PaymentReference	NVARCHAR(100)	NULL	Payment reference number
PaymentDate	DATE	NULL	Payment date
PaymentAmount	DECIMAL(18, 2)	NULL	Payment amount
CurrencyId	INT	NOT NULL, FK	Reference to Lookups Table
PaymentwayId	INT	NOT NULL, FK	Reference to Lookups Table
IsReplacement	BIT	NOT NULL, DEFAULT 0	Whether this is a replacement certificate
OriginalCertificateId	INT	NULL, FK	Original certificate if replacement
ReplacementReason	NVARCHAR(MAX)	NULL	Reason for replacement
FunderId	INT	NULL, FK	Foreign key to Funder for logo
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

DOCUMENT TEMPLATES.

Stores templates for documents like certificates, email, SMS, report header, ...etc.

Table 71: DocumentTemplates

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	NOT NULL	Template name
Description	NVARCHAR(255)	NULL	Template description
TemplateTypeId	INT	NOT NULL	Type (Certificate, Report, etc.)
TemplateContent	NVARCHAR(MAX)	NOT NULL	Template content (HTML or RTF)
LanguageId	INT	NOT NULL	Reference to Languages Table
CenterTypeId	INT	NULL, FK	Center type this applies to
IsDefault	BIT	NOT NULL, DEFAULT 0	Whether this is default template
IsActive	BIT	NOT NULL, DEFAULT 1	Whether template is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
HeaderId	INT	NULL, FK	Foreign key to DocumentTemplate for header
FooterId	INT	NULL, FK	Foreign key to DocumentTemplate for footer
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

DOCUMENT TEMPLATE TYPES.

Stores templates for documents like certificates, reports, document header, footer, ...etc.

Table 72: DocumentTemplateTypes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	NOT NULL	نوع القالب: شهادة، تقرير، إيميل، ...
NameEn	NVARCHAR(100)	NULL	Type (Certificate, Report, Email, SMS, etc.)
Description	NVARCHAR(MAX)	NULL	Type description
IsActive	BIT	NOT NULL, DEFAULT 1	Whether category is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
Code	NVARCHAR(10)	NULL	Category code
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

LANGUAGES.

Store system supported languages and its configurations.

Table 73: Languages

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	NOT NULL	عربي، انجليزي
NameEn	NVARCHAR(100)	NOT NULL	Arabic, English
Icon	INT	NOT NULL	referent to attachments table
Direction	CHAR(3)	NOT NULL	RTL, LTR

TEMPLATE VARIABLES.

Defines variables that can be used in document templates.

Table 74: TemplateVariables

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Variable name
Description	NVARCHAR(255)	NULL	Variable description
TemplateTypeId	INT	NULL	Referent to DocumentTemplateTypes, null means its available for all
Data Type	NVARCHAR(50)	NOT NULL	Data type (Text, Date, Number, etc.)
DefaultValue	NVARCHAR(255)	NULL	Default value
IsActive	BIT	NOT NULL, DEFAULT 1	Whether variable is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

APPLICATION TYPES.

Defines types of applications/forms in the system.

Table 75: ApplicationType

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Variable name
NameEn	NVARCHAR(100)	NULL	like: passport, Identity, ...
IsActive	BIT	NOT NULL, DEFAULT 1	Whether variable is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

APPLICATION.

Stores applications submitted in the system.

Table 76: Application

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
ApplicationNumber	NVARCHAR(50)	UNIQUE, NOT NULL	Unique application number
ApplicationTypeid	INT	NOT NULL, FK	Foreign key to ApplicationType
ApplicantId	INT	NOT NULL, FK	User who submitted the application
CenterId	INT	NULL, FK	Center associated with application
SubmissionDate	DATETIME	NOT NULL	Date application was submitted
Status	INT	NOT NULL	Status (Draft, Submitted, In Review, Approved, Rejected, etc.)
CurrentStepId	INT	NULL, FK	Current workflow step
CurrentAssigneeId	INT	NULL, FK	Current assigned user
DueDate	DATETIME	NULL	Due date for current step
CompletionDate	DATETIME	NULL	Date application was completed
RejectionReason	NVARCHAR(MAX)	NULL	Reason if rejected
Notes	NVARCHAR(MAX)	NULL	Application notes
IsDeleted	BIT	NOT NULL, DEFAULT 0	Soft delete flag
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

FORM TEMPLATES.

Stores applications submitted in the system.

Table 77: FormTemplates

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	NOT NULL	Form name
NameEn	NVARCHAR(100)	NOT NULL	Form English name
Description	NVARCHAR(MAX)	NULL	Form description
IsActive	BIT	NOT NULL, DEFAULT 1	Whether variable is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

FORM TEMPLATE FIELDS.

Defines the individual fields included in a form template, including field type, label, order, validation rules, and other configuration settings.

Table 78: FormTemplateFields

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
FormTemplateId	INT	NULL, FK	Form template for this application type
FieldName	NVARCHAR(100)	NOT NULL	Field name
FieldLabel	NVARCHAR(100)	NOT NULL	Field Label
FieldLabelEn	NVARCHAR(100)	NOT NULL	Field Label in English
FieldType	NVARCHAR(50)	NOT NULL	Text, Number, Date, Dropdown
ValidationRules	NVARCHAR(MAX)	NULL	Validation Rules
Description	NVARCHAR(MAX)	NULL	Field description
IsActive	BIT	NOT NULL, DEFAULT 1	Whether variable is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

FORM TEMPLATE FIELD OPTIONS.

Stores predefined selectable options for fields within dynamic form templates, such as dropdown choices, checkbox values, or radio button options.

Table 79: FormTemplateFieldOptions

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
FormTemplateFieldId	INT	NOT NULL, FK	Reference to FormTemplateFields Table
OptionValuesDictionary	NVARCHAR(MAX)	NOT NULL	JSON List (key, value)
OptionValuesDictionaryEn	NVARCHAR(MAX)	NOT NULL	JSON English List (key, value)
IsActive	BIT	NOT NULL, DEFAULT 1	Whether variable is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

APPLICATION TYPES.

Stores applications types like: license issuance, .

Table 80: ApplicationTypes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Type name
NameEn	NVARCHAR(100)	UNIQUE, NOT NULL	Type name
Description	NVARCHAR(255)	NULL	Type description
WorkflowId	INT	NULL, FK	Default workflow for this application type
FormTemplateId	INT	NULL, FK	Form template for this application type
Code	NVARCHAR(10)	NULL	Application type code
IsActive	BIT	NOT NULL, DEFAULT 1	Whether application type is active

APPLICATION DATA.

Stores applicant responses to the applications.

Table 81: ApplicationData

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
ApplicationId	INT	NOT NULL, FK	Foreign key to Application
FieldId	INT	NOT NULL	Field name
FieldValue	NVARCHAR(MAX)	NULL	Field value
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

ATTACHMENTS.

Store all system attachments.

Table 82: Attachments

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
AttachmentTypeId	INT	NOT NULL, FK	Foreign key to AttachmentType
FileName	NVARCHAR(255)	NOT NULL	File name
FilePath	NVARCHAR(MAX)	NOT NULL	File path or URL
FileSize	BIGINT	NOT NULL	File size in bytes
ContentType	NVARCHAR(100)	NOT NULL	MIME type
Width	INT	NULL	if picture
Height	INT	NULL	if picture
Extension	NVARCHAR(20)	NOT NULL	jpg, png, doc,...
IsActive	BIT	NOT NULL, DEFAULT 1	Whether attachment type is active
IsDeleted	BIT	NOT NULL, DEFAULT 0	Soft delete flag
UploadDate	DATETIME	NOT NULL	Upload date
UploadedBy	INT	NOT NULL, FK	User who uploaded file
Description	NVARCHAR(255)	NULL	Attachment description
IsVerified	BIT	NOT NULL, DEFAULT 0	Whether attachment is verified
VerifiedBy	INT	NULL, FK	User who verified attachment
VerificationDate	DATETIME	NULL	Verification date

ATTACHMENTS VERSIONS.

Store all system attachments history.

Table 83: AttachmentVersions

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
AttachmentId	INT	NOT NULL, FK	Foreign key to Attachments
AttachmentTypeId	INT	NOT NULL, FK	Foreign key to AttachmentType
FileName	NVARCHAR(255)	NOT NULL	File name
FilePath	NVARCHAR(MAX)	NOT NULL	File path or URL
FileSize	BIGINT	NOT NULL	File size in bytes
ContentType	NVARCHAR(100)	NOT NULL	MIME type
Width	INT	NULL	if picture
Height	INT	NULL	if picture
Extension	NVARCHAR(20)	NOT NULL	jpg, png, doc,...

APPLICATION ATTACHMENT.

Stores attachments for workflow applications.

Table 84: ApplicationAttachment

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
ApplicationId	INT	NOT NULL, FK	Foreign key to Application
AttachmentId	INT	NOT NULL, FK	Foreign key to Attachments
IsActive	BIT	NOT NULL, DEFAULT 1	Whether attachment type is active
IsDeleted	BIT	NOT NULL, DEFAULT 0	Soft delete flag
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

ATTACHMENT TYPES.

Defines types of required and optional system attachments.

Table 85: AttachmentTypes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	NOT NULL	Type name: CV, Identity, Profile Pic, ...
Description	NVARCHAR(255)	NULL	Type description
ApplicationTypeId	INT	NULL, FK	Application type this attachment is for
IsMandatory	BIT	NOT NULL, DEFAULT 0	Whether attachment is mandatory
AllowedFileTypes	NVARCHAR(255)	NULL	Comma-separated list of allowed file extensions
MaxFileSize	INT	NULL	Maximum file size in KB
Code	NVARCHAR(10)	NULL	Attachment type code
IsActive	BIT	NOT NULL, DEFAULT 1	Whether attachment type is active

WORKFLOW.

Defines workflows for different processes in the system.

Table 86: Workflow

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Workflow name
Description	NVARCHAR(255)	NULL	Workflow description
ApplicationTypeId	INT	NULL, FK	Application type this workflow is for
IsActive	BIT	NOT NULL, DEFAULT 1	Whether workflow is active
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

WORKFLOW STEP.

Defines steps in a workflow.

Table 87: WorkflowStep

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
WorkflowId	INT	NOT NULL, FK	Foreign key to Workflow
StepName	NVARCHAR(100)	NOT NULL	Step name
StepOrder	INT	NOT NULL	Order in workflow
RoleId	INT	NULL, FK	Role responsible for this step
AssigneeType	NVARCHAR(50)	NOT NULL	Assignee type (Role, User, Dynamic)
AssigneeId	INT	NULL	Specific assignee if not dynamic
DurationDays	INT	NULL	Expected duration in days
EscalationDays	INT	NULL	Days after which to escalate
EscalationRoleId	INT	NULL, FK	Role to escalate to
ActionType	NVARCHAR(50)	NOT NULL	Action type (Approve/Reject, Review, etc.)
Instructions	NVARCHAR(MAX)	NULL	Instructions for assignee
IsActive	BIT	NOT NULL, DEFAULT 1	Whether step is active
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

WORKFLOW TRANSITION.

Defines possible transitions between workflow steps.

Table 88: WorkflowTransition

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
WorkflowId	INT	NOT NULL, FK	Foreign key to Workflow
FromStepId	INT	NULL, FK	Source step (null for initial step)
ToStepId	INT	NULL, FK	Destination step (null for final step)
Action	NVARCHAR(50)	NOT NULL	Action triggering transition (Approve, Reject, Submit, etc.)
Condition	NVARCHAR(MAX)	NULL	Optional condition for transition
IsActive	BIT	NOT NULL, DEFAULT 1	Whether transition is active
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

WORKFLOW HISTORY.

Stores history of workflow steps for applications.

Table 89: WorkflowHistory

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
ApplicationId	INT	NOT NULL, FK	Foreign key to Application
WorkflowStepId	INT	NOT NULL, FK	Foreign key to WorkflowStep
AssignedTo	INT	NOT NULL, FK	User assigned to step
AssignedDate	DATETIME	NOT NULL	Date assigned
CompletedDate	DATETIME	NULL	Date completed
Action	NVARCHAR(50)	NULL	Action taken (Approve, Reject, etc.)
Comments	NVARCHAR(MAX)	NULL	Comments by assignee
Status	NVARCHAR(50)	NOT NULL	Status (Pending, Completed, Escalated, etc.)
DueDate	DATETIME	NULL	Due date for step
EscalatedDate	DATETIME	NULL	Date escalated if applicable
EscalatedTo	INT	NULL, FK	User escalated to
CreatedDate	DATETIME	NOT NULL	Creation timestamp
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
IdentityNumber	NVARCHAR(50)	NULL, UNIQUE	National ID number
IdentityType	NVARCHAR(50)	NULL	Type of identity document
UserTypeId	INT	NOT NULL, FK	Type of user (person or institution)
PreferredLanguage	NVARCHAR(10)	NOT NULL, DEFAULT 'ar'	Preferred language (ar, en)
EmailConfirmed	BIT	NOT NULL, DEFAULT 0	Flag if email is confirmed
PhoneConfirmed	BIT	NOT NULL, DEFAULT 0	Flag if phone is confirmed
NotificationPreference	INT	NOT NULL, DEFAULT 'System'	Notification preference (System, Email, SMS, None)
ExternalAuthProvider	NVARCHAR(50)	NULL	External auth provider if applicable
ExternalAuthId	NVARCHAR(255)	NULL	External provider's ID
IsDeleted	BIT	NOT NULL, DEFAULT 0	Soft delete flag

Student-Related Tables

QUESTIONNAIRE.

Questionnaire definition.

Table 90: Questionnaires

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
QuestionnaireTypeId	INT	NOT NULL, FK	QuestionnaireTypes
Title	NVARCHAR(100)	NOT NULL	Section title
TitleEn	NVARCHAR(100)	NOT NULL	Section title
Description	NVARCHAR(MAX)	NULL	Section description
IsMandatory	BIT	NOT NULL, DEFAULT 1	Whether section is mandatory
StartDateTime	DATETIME	NULL	When it must be visible
EndDateTime	DATETIME	NULL	When it must close
IsActive	BIT	NOT NULL, DEFAULT 1	Whether section is active
IsApproved	BIT	NULL	Whether is approved to be visible
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

FORM CONTROLS DATA SOURCES.

Store forms' controls data sources, at least one field of data sources fields mustn't be null.

Table 91: FormControlsDataSources

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
SQLQuery	NVARCHAR(MAX)	NULL	SQL query to be used as datasource
SQLQueryEn	NVARCHAR(MAX)	NULL	SQL query to be used as datasource
APIFunctionLink	NVARCHAR(MAX)	NULL	returns json to be renderd
APIFunctionLinkEn	NVARCHAR(MAX)	NULL	returns json to be renderd for english values
KeyField	NVARCHAR(100)	NOT NULL	Hidden value for field like Dropdownlist
ValueField	NVARCHAR(100)	NOT NULL	Display value
IsActive	BIT	NOT NULL, DEFAULT 1	Whether variable is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

QUESTIONNAIRE TYPES.

Store questioner types of lookups.

Table 92: QuestionnaireTypes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Title	NVARCHAR(100)	NOT NULL	Questionnaire type title; Survey, Enrollment survey....
TitleEn	NVARCHAR(100)	NOT NULL	Section title
Description	NVARCHAR(MAX)	NULL	Section description
IsActive	BIT	NOT NULL, DEFAULT 1	Whether section is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

QUESTIONNAIRE PAGES.

Store questioner pages and their orders.

Table 93: QuestionnairePages

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
QuestionnaireId	INT	NOT NULL, FK	Reference to Questionnaire Table
Title	NVARCHAR(100)	NOT NULL	Page title
TitleEn	NVARCHAR(100)	NOT NULL	Page title
Description	NVARCHAR(MAX)	NULL	Section description
IsMandatory	BIT	NOT NULL, DEFAULT 1	Whether section is mandatory
OrderIndex	INT	NOT NULL	Display order
IsActive	BIT	NOT NULL, DEFAULT 1	Whether section is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

QUESTIONNAIRE SECTIONS.

Note .

Table 94: QuestionnaireSections

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
PageId	INT	NOT NULL, FK	Reference to QuestionnairePages
Title	NVARCHAR(100)	NOT NULL	Section title
TitleEn	NVARCHAR(100)	NOT NULL	Section title
Description	NVARCHAR(MAX)	NULL	Section description
IsMandatory	BIT	NOT NULL, DEFAULT 1	Whether section is mandatory
OrderIndex	INT	NOT NULL	Display order
IsActive	BIT	NOT NULL, DEFAULT 1	Whether section is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

QUESTIONS.

Note .

Table 95: Questions

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
SectionId	INT	NULL, FK	Foreign key to QuestionnaireSection
QuestionText	NVARCHAR(MAX)	NOT NULL	Question text
QuestionType	NVARCHAR(50)	NOT NULL	Type (Text, Multiple Choice, etc.)
Options	NVARCHAR(MAX)	NULL	JSON array of options for multiple choice
OptionsDataSource	NVARCHAR(MAX)	NULL	JSON array of options for multiple choice
OptionsDataSourceId	INT	NULL	When Options is empty, then this is a must
Category	NVARCHAR(100)	NULL	Question category
IsMandatory	BIT	NOT NULL, DEFAULT 1	Whether question is mandatory
OrderIndex	INT	NOT NULL	Display order
IsActive	BIT	NOT NULL, DEFAULT 1	Whether question is active
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

QUESTIONNAIRE RESPONSES.

Stores the responses to questionnaire questions.

Table 96: QuestionnaireResponses

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
UserId	INT	NOT NULL, FK	Reference to Users
ReponseDate	DATETIME	NOT NULL	User Reponse datetime
QuestionId	INT	NOT NULL, FK	Reference to Questions
Reponse	NVARCHAR(MAX)	NOT NULL	Response value

ACCEPTANCE CRITERIA.

Weight of questions and question options to get accepted to enroll in training.

Table 97: AcceptanceCriteria

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
RunningTrainingCourseId	INT	NOT NULL, FK	Foreign key to RunningTrainingCourse
QuestionId	INT	NOT NULL, FK	Foreign key to Question
QuestionOptionId	INT	NOT NULL, FK	Foreign key to Question
Weight	DECIMAL(5, 2)	NOT NULL	Weight of this criterion
IsActive	BIT	NOT NULL, DEFAULT 1	Whether criterion is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

WORK BASED LEARNING.

Stores information about work-based learning placements.

Table 98: WorkBasedLearning

WBL INSTITUTIONS.

Stores information about institutions who accept work-based learning trainees.

Table 99: Workplaces

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	NOT NULL	Workplace name
NameEn	NVARCHAR(100)	NOT NULL	Workplace name
Industry	NVARCHAR(100)	NULL	Industry
IndustryEn	NVARCHAR(100)	NULL	Industry
Address	NVARCHAR(255)	NULL	Address
City	INT	NULL	City
ContactPersonUserId	INT	NULL, FK	Primary contact person userid
ContactPerson	NVARCHAR(100)	NULL	Primary contact person
ContactEmail	NVARCHAR(100)	NULL	Contact email
ContactPhone	NVARCHAR(20)	NULL	Contact phone
IsActive	BIT	NOT NULL, DEFAULT 1	Whether workplace is active
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

WBL SUPERVISOR.

Stores information about WBL institutions trainees supervisors.

Table 100: WBLSupervisors

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
WBLId	INT	NOT NULL, FK	Foreign key to Workplace
UserId	INT	NULL, FK	Foreign key to User if system user
FirstName	NVARCHAR(50)	NOT NULL	First name
LastName	NVARCHAR(50)	NOT NULL	Last name
Email	NVARCHAR(100)	NULL	Email
Phone	NVARCHAR(20)	NULL	Phone
Position	NVARCHAR(100)	NULL	Position in workplace
IsActive	BIT	NOT NULL, DEFAULT 1	Whether supervisor is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

WBL STUDENT ATTENDANCE.

Stores attendance for work-based learning.

Table 101: WBLStudentAttendance

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
SupervisorId	INT	NOT NULL, FK	Foreign key to WBLSupervisor
StudentId	INT	NOT NULL, FK	
AttendanceDate	DATE	NOT NULL	Attendance date
AttendanceStatus	NVARCHAR(50)	NOT NULL	Status (Present, Absent, Late, etc.)
Comments	NVARCHAR(MAX)	NULL	Comments
RecordedBy	INT	NOT NULL, FK	User who recorded attendance
RecordedDate	DATETIME	NOT NULL	Date attendance was recorded
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

WBL EVALUATIONS.

Stores evaluations for work-based learning.

Table 102: WBLEvaluations

WBL EVALUATION SKILLS LIST.

Contains predefined skill criteria for student assessments.

Table 103: WBLEvaluationSkillsList

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	NOT NULL	Workplace name
NameEn	NVARCHAR(100)	NOT NULL	Workplace name
Mark	INT	NOT NULL	Maximum evaluation mark
IsDeleted	BIT	NULL	Whether this record is visible in the interface
IsActive	BIT	NOT NULL, DEFAULT 1	Whether workplace is active
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

WBL TRAINEES.

Stores WBL institution students trainees info.

Table 104: WBLTrainees

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
StudentId	INT	NOT NULL, FK	Foreign key to User
WBLInstitutionId	INT	NOT NULL, FK	Foreign key to WBLInstitutions
SupervisorId	INT	NOT NULL, FK	Foreign key to WBLSupervisors
RunningTrainingCourseId	INT	NULL	When this record related to RunningTrainingCourse
StartDate	DATE	NOT NULL	Start date
EndDate	DATE	NOT NULL	End date
Status	NVARCHAR(50)	NOT NULL	Status (Active, Completed, Terminated, etc.)
TerminationReason	NVARCHAR(MAX)	NULL	Reason if terminated early
Attachments	NVARCHAR(100)	NULL	List of attachments Ids referenced to attachments
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

WBL EVALUATION.

Stores marks evaluating student skills depending on work-based learning.

Table 105: WBLEvaluations

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
CenterId	INT	NOT NULL, FK	Reference to TrainingCenters
RunningTrainingCourseId	INT	NULL, FK	Reference to RunningTrainingCourses
StudentId	INT	NULL, FK	Reference to Users
SupervisorId	INT	NOT NULL, FK	Foreign key to WBLSupervisor
StudentName	NVARCHAR(100)	NULL	When student doesn't have system user
StudentIdentityId	NVARCHAR(20)	NULL	When student doesn't have system user
TrainingYear	NVARCHAR(100)	NOT NULL	like 2024/2025
EvaluationInsteadOf	INT	NULL, FK	When the trainer don't want to evaluate
EvaluationInsteadOf	NVARCHAR(100)	NULL	When the trainer don't want to evaluate and has't sys user
TrainerIdentityId	NVARCHAR(20)	NULL	When trainer doesn't have system user
Month	INT	NOT NULL	Month from 1-12
WBLInstId	INT	NOT NULL, FK	Foreign key to WorkplaceLearning
EvaluationDate	DATE	NOT NULL	Date of evaluation
OverallRating	DECIMAL(2, 2)	NULL	Overall rating
SkillsAcquired	NVARCHAR(MAX)	NULL	Skills acquired during placement, Stored as JSON
SkillsMissing	NVARCHAR(MAX)	NULL	Skills acquired during placement, Stored as JSON
Comments	NVARCHAR(MAX)	NULL	General comments
RecommendationContent	NVARCHAR(MAX)	NULL	Content of recommendation letter, stored as HTML
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

WBL EVALUATION SKILLS.

Stores marks evaluating student skills depending on work-based learning.

Table 106: WBLEvaluationsSkills

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
WBLEvaluationsId	INT	NOT NULL, FK	Reference to WBLEvaluations table
WBLEvaluationSkillsListId	INT	NOT NULL, FK	Reference to WBLEvaluationSkillsList table
Mark	INT	NOT NULL	Evaluation mark
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

COMPLAINT CATEGORIES.

Defines categories for complaints.

Table 107: ComplaintCategories

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	NOT NULL	Category name
NameEn	NVARCHAR(100)	NOT NULL	Category name
Description	NVARCHAR(255)	NULL	Category description
PriorityId	INT	NOT NULL, 1	Default priority for this category, reference to Priorities
ResponseDays	INT	NULL	Expected response time in days
IsActive	BIT	NOT NULL, DEFAULT 1	Whether category is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

PRIORITIES.

Store applications and complaints priorities like “High, medium and low”

Table 108: Priorities

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	NOT NULL	Priority name (مرتبة، متوسط، عالي، حرج)
NameEn	NVARCHAR(100)	NOT NULL	Priority English name, Priority (Low, Medium, High, Critical)

COMPLAINT.

Stores user-submitted complaints related to training centers, or trainer, ...etc. including complaint details, submitter information, submission date, and status.

Table 109: Complaint

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
ComplainantId	INT	NOT NULL, FK	User submitting complaint
SubjectId	INT	NULL, FK	User or entity complaint is about
SubjectType	NVARCHAR(50)	NOT NULL	Type of subject (Student, Trainer, Center, etc.)
CategoryId	INT	NOT NULL, FK	Complaint category
Title	NVARCHAR(100)	NOT NULL	Complaint Title
Description	NVARCHAR(MAX)	NOT NULL	Complaint description
SubmissionDate	DATETIME	NOT NULL	Date complaint was submitted
Status	INT	NOT NULL, DEFAULT 1	Reference to ComplaintStatuses table
StatusChangeDate	DATETIME	NULL	Date of last status change
StatusChangeReason	NVARCHAR(MAX)	NULL	Reason for status change
Priority	INT	NOT NULL, DEFAULT 1	Reference to Priorities table
AssignedToId	INT	NULL, FK	User complaint is assigned to
AssignedDate	DATETIME	NULL	Date complaint was assigned
DueDate	DATETIME	NULL	Due date for resolution
ResolutionDate	DATETIME	NULL	Date complaint was resolved
ResolutionSummary	NVARCHAR(MAX)	NULL	Summary of resolution
CreatedDate	DATETIME	NOT NULL	Creation timestamp
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp

COMPLAINT RESPONSE.

Stores official responses or actions taken regarding submitted complaints, including responder identity, response content, and response timestamp.

Table 110: ComplaintResponse

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
ComplaintId	INT	NOT NULL, FK	Foreign key to Complaint
Response	NVARCHAR(MAX)	NOT NULL	Update content
UpdateDate	DATETIME	NOT NULL	Date of update
UpdatedBy	INT	NOT NULL, FK	User who added update
IsVisibleToComplainant	BIT	NOT NULL, DEFAULT 0	Whether visible to complainant
Attachments	NVARCHAR(50)	NULL	List of Ids Reference to Attachments
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record, must be the creator

COMPLAINT STATUSES.

Store complaint statuses lookups like: new, paused, ...etc.

Table 111: ComplaintStatuses

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Status	NVARCHAR(50)	NOT NULL	Status (جديد، قيد المعالجة، معلقة، موزلة، تم المعالجة، مغلق)
StatusEn	NVARCHAR(50)	NOT NULL	Status (New, In Progress, Paused, Resolved, Closed)

GRADUATE TRACKING.

Stores post-graduation data for students who completed training programs, including employment status, further education, and follow-up details to support outcome tracking and impact evaluation.

Table 112: GraduateTracking

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
StudentId	INT	NULL, FK	Foreign key to User
StudentName	NVARCHAR(100)	NULL	When student doesn't have system user
TrainingCourseId	INT	NOT NULL, FK	Foreign key to TrainingCourse
SurveyDate	DATE	NOT NULL	Date survey was conducted
CurrentEmploymentStatus	NVARCHAR(50)	NULL	Employment status
Employer	NVARCHAR(100)	NULL	Current employer
Position	NVARCHAR(100)	NULL	Current position
IsFieldRelated	BIT	NULL	Whether job is related to training
SalaryRange	NVARCHAR(50)	NULL	Salary range
EmploymentStartDate	DATE	NULL	Employment start date
TrainingFeedback	NVARCHAR(MAX)	NULL	Feedback on training
SuggestionForImprovement	NVARCHAR(MAX)	NULL	Suggestions for improvement
FilledBy	INT	NULL, FK	User who filled survey if not student
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

SYSTEM CONFIGURATIONS.

Stores key-value pairs representing system-wide configurable settings that control various behaviors and features of the application, such as time zones, or default values. etc.

Table 113: SystemConfigurations

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
SettingKey	NVARCHAR(100)	UNIQUE, NOT NULL	Setting key
SettingValue	NVARCHAR(MAX)	NULL	Setting value
DataType	NVARCHAR(50)	NOT NULL	Data type (String, Int, Boolean, etc.)
Description	NVARCHAR(255)	NULL	Setting description
IsEditable	BIT	NOT NULL, DEFAULT 1	Whether setting is editable
GroupName	NVARCHAR(100)	NULL	Setting group
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

AUDIT LOG.

Stores audit logs for user activities.

Table 114: AuditLog

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
UserId	INT	NULL, FK	User who performed action
EntityType	NVARCHAR(100)	NOT NULL	Type of entity affected
EntityId	NVARCHAR(100)	NULL	ID of entity affected
Action	NVARCHAR(50)	NOT NULL	Action performed (Create, Update, Delete, etc.)
Timestamp	DATETIME	NOT NULL	When action occurred
IpAddress	NVARCHAR(50)	NULL	IP address
UserAgent	NVARCHAR(255)	NULL	Browser/user agent
Location	NVARCHAR(100)	NULL	Geographic location
OldValues	NVARCHAR(MAX)	NULL	Old values if update
NewValues	NVARCHAR(MAX)	NULL	New values if update
AdditionalInfo	NVARCHAR(MAX)	NULL	Additional information
RealIP	NVARCHAR(255)	NULL	Client IP
MACAddress	NVARCHAR(255)	NULL	Client Mac Address
LastLoginDate	DATETIME	NULL	Last valid login
LastLogoutDate	DATETIME	NULL	Last valid logout
ComputerName	NVARCHAR(255)	NULL	Client Device Name
FailedPasswordAttemptCount	INT	NULL	Number of invalid password attempts
LastPasswordChangedDate	DATETIME	NULL	Last password change datetime

SYSTEM LOG.

Stores records of system-level events.

Table 115: SystemLog

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
LogLevel	NVARCHAR(50)	NOT NULL	Log level (Info, Warning, Error, etc.)
Message	NVARCHAR(MAX)	NOT NULL	Log message
Source	NVARCHAR(255)	NULL	Source of log
Exception	NVARCHAR(MAX)	NULL	Exception details if error
StackTrace	NVARCHAR(MAX)	NULL	Stack trace if error
Timestamp	DATETIME	NOT NULL	When log occurred
AdditionalInfo	NVARCHAR(MAX)	NULL	Additional information

NOTIFICATION.

Stores user-targeted notifications generated by the system or workflows, including message content, type, delivery channel, recipient, and read status.

Table 116: Notification

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
UserId	INT	NOT NULL, FK	Foreign key to User
Title	NVARCHAR(100)	NOT NULL	Notification title
Message	NVARCHAR(MAX)	NOT NULL	Notification message
NotificationTemplate	INT	NOT NULL, FK	Reference to DocumentTemplates table
NotificationTypeId	INT	NOT NULL, FK	Reference to NotificationChannels table
RelatedEntityType	NVARCHAR(100)	NULL	Type of related entity; TableName, View, ..
RelatedEntityId	NVARCHAR(100)	NULL	related record ID of related entity
CreatedDate	DATETIME	NOT NULL	Creation timestamp
ReadDate	DATETIME	NULL	Date notification was read
IsRead	BIT	NOT NULL, DEFAULT 0	Whether notification has been read
ExpiryDate	DATETIME	NULL	Date notification expires
IsSent	BIT	NOT NULL, DEFAULT 0	Whether notification has been sent
DeliveryMethod	NVARCHAR(50)	NOT NULL	Method (System, Email, SMS, etc.)

NOTIFICATION ENTITY TYPES.

Defines all entity types that notifications can be associated with, enabling the system to link notifications to specific records such as applications, users, training centers, or schedules.

Table 117: NotificationEntityType

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
NotificationType	NVARCHAR(50)	NOT NULL	Type (اشعارات النظام، الطلبات ...)
NotificationTypeEn	NVARCHAR(50)	NOT NULL	Type (System, Workflow, etc.)

CERTIFICATE DEGREES.

Stores predefined academic or vocational certificate types (e.g., Bachelor, Master, Diploma) as lookup values to be used in training programs, student records, or graduate tracking.

Table 118: CertificateDegrees

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	NOT NULL	Degree name
NameEn	NVARCHAR(100)	NOT NULL	Degree English name
IsActive	BIT	NOT NULL, DEFAULT 1	Whether record is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

CONTACT TYPES.

Stores predefined contact method types such as phone number, email, mailing address, or messaging apps, to standardize and categorize contact information across the system.

Table 119: ContactTypes

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	NOT NULL	Lookup name
NameEn	NVARCHAR(100)	NOT NULL	Lookup English name
IsActive	BIT	NOT NULL, DEFAULT 1	Whether record is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

GENDERS.

Store lookups values for genders(Male, Female).

Table 120: Genders

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(20)	NOT NULL	Lookup name
NameEn	NVARCHAR(20)	NOT NULL	Lookup English name

LOOKUPS CATEGORIES.

Defines categories or groups for lookup, allowing the system to classify and manage related lookup values in a structured and organized manner.

Table 121: LookupsCategories

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
ParentId	INT	NULL, FK	Referenc to LookupsCategories
Name	NVARCHAR(100)	NOT NULL	Lookup name
NameEn	NVARCHAR(100)	NOT NULL	Lookup English name
IsActive	BIT	NOT NULL, DEFAULT 1	Whether record is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

LOOKUPS.

Stores generic lookup values categorized by type or category, allowing the system to manage and retrieve standardized options used throughout different modules and forms.

Table 122: Lookups

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
CategoryId	INT	NOT NULL, FK	Referenc to LookupsCategories
Name	NVARCHAR(100)	NOT NULL	Lookup name
NameEn	NVARCHAR(100)	NOT NULL	Lookup English name
IsActive	BIT	NOT NULL, DEFAULT 1	Whether record is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

COUNTRIES.

Stores lookup Countries.

Table 123: *COUNTRIES*

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(100)	UNIQUE, NOT NULL	Country: فلسطين، الأردن ...
NameEn	NVARCHAR(100)	NULL	like: Palestine, Jordan, ...
Code	NVARCHAR(10)	NULL	Country code
IsActive	BIT	NOT NULL, DEFAULT 1	Whether variable is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

CITIES.

Stores Cities.

Table 124: *Cities*

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Name	NVARCHAR(50)	NOT NULL	City name in Arabic
NameEn	NVARCHAR(50)	NULL	City name in English
GovernorateId	INT	NOT NULL	Reference to Governorates table
Code	NVARCHAR(10)	NULL	Governorate code
IsActive	BIT	NOT NULL, DEFAULT 1	Whether this record is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record

APIs CONSUMING.

Stores APIS Consuming.

Table 125: *APIs*

Stores any external or internal Consuming APIs Fileds

Column	Data Type	Constraints	Description
Id	INT	PK, NOT NULL	Primary key
Title	NVARCHAR(100)	NOT NULL	API title
Description	NVARCHAR(MAX)	NOT NULL	Description about the API and how to use, and full details
API_Link	NVARCHAR(MAX)	NOT NULL	Full API link
UserName	NVARCHAR(100)	NOT NULL	User name, or API key, or null when token only
Password	NVARCHAR(100)	NOT NULL	Password, or Token, or key
AuthonticationLink	NVARCHAR(255)	NOT NULL, DEFAULT 1	When the Consumert should request token using un/pw
AuthonticationRequestContent	NVARCHAR(255)	NULL	The content when the request needs extra body or headers
RequestTypeIsGet	BIT	NOT NULL	Whether is authentication is get not post
RequestTypeId	INT	NULL, FK	API get or post or delete, etc, from Lookups Table
IsActive	BIT	NOT NULL, DEFAULT 1	Whether record is active
IsDeleted	BIT	NULL	Whether this record is visible in the interface
CreatedDate	DATETIME	NOT NULL	Creation timestamp
CreatedBy	INT	NULL, FK	User who created this record
ModifiedDate	DATETIME	NOT NULL	Last modification timestamp
ModifiedBy	INT	NULL, FK	User who last modified this record