

1. Roles Table (Stores different types of roles (Member, Coach, Admin))

Column Name	Data Type	Constraints
RoleID	INT	PRIMARY KEY, AUTO_INCREMENT
RoleName	VARCHAR(50)	NOT NULL

2. Members Table

Column Name	Data Type	Constraints
MemberId	INT	PRIMARY KEY, AUTO_INCREMENT
RoleID	INT	FOREIGN KEY REFERENCES Roles(RoleID)
FirstName	VARCHAR(50)	NOT NULL
LastName	VARCHAR(50)	NOT NULL
Email	VARCHAR(100)	UNIQUE, NOT NULL
PasswordHash	VARCHAR(255)	NOT NULL
PhoneNumber	VARCHAR(20)	NULLABLE
Address	TEXT	NULLABLE
DateOfBirth	DATE	NULLABLE
Active	INT	NULLABLE
CreatedAt	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP
UpdatedAt	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP

3. Coaches Table

Column Name	Data Type	Constraints
CoachID	INT	PRIMARY KEY, AUTO_INCREMENT
RoleID	INT	FOREIGN KEY REFERENCES Roles(RoleID)
Biography	TEXT	NULLABLE
Experience	VARCHAR(255)	NULLABLE
FirstName	VARCHAR(50)	NULLABLE
LastName	VARCHAR(50)	NULLABLE
Photo	VARCHAR(255)	NULLABLE
Email	VARCHAR(100)	UNIQUE, NOT NULL
PasswordHash	VARCHAR(255)	NOT NULL
PhoneNumber	VARCHAR(20)	NULLABLE
Address	TEXT	NULLABLE
DateOfBirth	DATE	NULLABLE
Active	INT	NULLABLE
CreatedAt	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP
UpdatedAt	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP

2. Admin Table

Column Name	Data Type	Constraints
AdminID	INT	PRIMARY KEY, AUTO_INCREMENT
RoleID	INT	FOREIGN KEY REFERENCES Roles(RoleID)
FirstName	VARCHAR(50)	NOT NULL
LastName	VARCHAR(50)	NOT NULL
Email	VARCHAR(100)	UNIQUE, NOT NULL
Password	VARCHAR(255)	NOT NULL
PhoneNumber	VARCHAR(20)	NULLABLE
Address	TEXT	NULLABLE
DateOfBirth	DATE	NULLABLE
Active	INT	NULLABLE
CreatedAt	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP
UpdatedAt	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP

4. Schedules Table

Column Name	Data Type	Constraints
ScheduleId	INT	PRIMARY KEY, AUTO_INCREMENT
EventName	VARCHAR(100)	NOT NULL
Date	DATE	NULLABLE
Time	TIME	NULLABLE
DayOfWeek	VARCHAR(20)	NULLABLE
CoachID	INT	NULLABLE
AvailableSlots	INT	NULLABLE
Location	VARCHAR(100)	NULLABLE
Description	VARCHAR(200)	NULLABLE
Active	INT	NULLABLE

5. Enrollments Table (Tracks the enrollment of members in training sessions.)

Column Name	Data Type	Constraints
EnrollmentID	INT	PRIMARY KEY, AUTO_INCREMENT
MemberId	INT	FOREIGN KEY REFERENCES Members(MemberId)
ScheduleId	INT	FOREIGN KEY REFERENCES Schedules(ScheduleId)
EnrollmentDate	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP
Active	INT	NULLABLE