

## SCHEMA

### Member

- CNIC (PK)
- Email
- Password
- Name
- Age
- GymId (FK)
- WorkoutId (FK)
- TrainerId (FK)
- DietPlanId (FK)
- Membership

### Trainer

- TrainerId (PK)
- CNIC
- Email
- Password
- Name
- ClientsID (FK)
- WorkoutId (FK)
- OverallRating
- Active (bool)
- ScheduleId (FK)

### TrainerFeedback

- SelfGeneratedID (PK)
- TrainerID (FK)
- ClientId (FK)
- GymID (FK)
- Rating

### TrainerClientRelation

- TrainerId (FK)
- MemberId (FK)

### BookedSlots

- TrainerID (FK)
- TIMESTAMP (DATE AND TIME SLOT)
- ClientID (FK)

### WorkoutPlans Table:

- PlanID (PK)
- PlanName
- PlanType (user-created or trainerCreated)

### Exercises Table:

- ExerciseID (PK)
- ExerciseName

- Description
- MuscleGroup (e.g., chest, legs, back)

DaysOfWeek Table:

- DayID (PK)
- DayName (e.g., Day1, Day2, ..., Day7)

DayExercises Table:

- DayExerciseID (PK)
- PlanID (FK) (Foreign Key referencing WorkoutPlans.PlanID)
- DayID (FK) (Foreign Key referencing DaysOfWeek.DayID)
- DayType (e.g., exercise, rest)
- ExerciseID (FK) (Foreign Key referencing Exercises.ExerciseID)

Machines Table:

- MachineID (PK)
- MachineName
- MachineType

ExerciseMachines Table:

- ExerciseMachineID (PK)
- ExerciseID (FK) (Foreign Key referencing Exercises.ExerciseID)
- MachineID (FK) (Foreign Key referencing Machines.MachineID)

DietPlans Table:

- DietPlanID (PK)
- PlanName
- CreatedBy UserID (FK)

Meals Table:

- MealID (PK)
- DietPlanID (FK) (Foreign Key referencing DietPlans.DietPlanID)
- MealName
- Other relevant meal information

MealNutritionalValues Table:

- MealNutritionID (PK)
- MealID (FK) (Foreign Key referencing Meals.MealID)
- Protein
- Carbs
- Fiber
- Fat

MealAllergens Table:

- MealAllergenID (PK)
- MealID (FK) (Foreign Key referencing Meals.MealID)
- AllergenType (e.g., peanuts, gluten, lactose, etc.)

GymOwners Table:

- OwnerID (PK)
- Username
- Password (encrypted)
- Email

- GymID (FK)
- RegistrationStatus (e.g., pending, approved, rejected)

Gyms Table:

- GymID (PK)
- GymName
- MembershipGrowth
- FinancialPerformance
- CustomerSatisfaction

Admins Table:

- AdminID (PK)
- Email
- Password

RegistrationRequests Table:

- RequestID (PK)
- GymName
- OwnershipInformation
- FacilitySpecifications
- CurrentActiveMembers
- BusinessPlan
- ApprovalStatus (e.g., pending, approved, rejected)
- ApprovalDate

RevokedGyms Table:

- RevokedGymID (PK)
- GymName
- ReasonForRevocation
- DateRevoked