

Components of Gym Database

1. Members Table

Purpose: Store information about gym members.

Key Fields:

- 1 - MemberID (Primary Key): Unique identifier for each member.
- 2 - FirstName: Member's first name.
- 3 - LastName: Member's last name.
- 4 - Email: Member's email address.
- 5 - Phone: Member's contact number.
- 6 - Start Date: Date the member joined the gym.
- 7 - End date : Date the members subscription ends.
- 8 - MembershipType: Type of membership (e.g., Basic, Premium).
- 9 - Created at - Membership created time
- 10 - Updated at - Membership updating time

2. Trainers Table

Purpose: Store information about personal trainers.

Key Fields:

- 1 - TrainerID (Primary Key): Unique identifier for each trainer.
- 2 - FirstName: Trainer's first name.
- 3 - LastName: Trainer's last name.
- 4 - Specialty: Areas of expertise (e.g., weightlifting, yoga).
- 5 - Email: Trainer's email address.
- 6 - Phone: Trainer's contact number.
- 7 - hire date : Trainer's hire date
- 8 - Created at - trainers data created time
- 9 - Updated at - trainers data updating time

3. Classes Table

Purpose: Store information about fitness classes offered at the gym.

Key Fields:

- 1 - ClassID (Primary Key): Unique identifier for each class.
- 2 - ClassName: Name of the class (e.g., Zumba, Pilates).
- 3 - Description : Detailed description of class
- 4 - Capacity: Maximum number of participants.
- 5 - Trainer id :
- 6 - Schedule: Date and time the class is held.
- 7 - Created at - trainers data created time
- 8 - Updated at - trainers data updating time
- 9 - TrainerID (Foreign Key): Links to the Trainers table to indicate the trainer for the class.

4. Workouts Table

Purpose: Store information about workouts logged by members.

Key Fields:

- 1 - WorkoutID (Primary Key): Unique identifier for each workout entry.

- 2 - MemberID (Foreign Key): Links to the Members table to indicate which member performed the workout.
- 3 - Class ID : Details of classes
- 4 - Date: Date of the workout session.
- 5 - Duration: Length of the workout (in minutes).
- 6 - Notes : Detailed notes of workouts
- 7 - Created at - trainers data created time
- 8 - Updated at - trainers data updating time

5. Payments Table

Purpose: Track financial transactions related to membership fees and services.

Key Fields:

- 1 - PaymentID (Primary Key): Unique identifier for each payment transaction.
- 2 - MemberID (Foreign Key): Links to the Members table to indicate which member made the payment.
- 3 - Amount: Total amount paid.
- 4 - PaymentDate: Date of the transaction.
- 5 - PaymentMethod: Method of payment (e.g., credit card, cash).
- 7 - Created at - trainers data created time
- 8 - Updated at - trainers data updating time