

Course: CS 2005- Database Systems

Semester: 04, Spring 2024

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## **MILESTONE –III**

### Changes made in the Relational Model after Milestone-II

Admin (adminEmail, name, password)

Approval (approvalID, gymOwnerEmail\*, adminEmail\*, gymName\*, location, facilitySpecification, activeMembers, businessPlan)

GymOwner (ownerEmail, addedBy\*, name, password)

Gym (gymName, gymOwner\*, adminEmail\*, isApproved, location, membership\_fees, customerSatisfaction, classAttendanceRate, membershipGrowth, financialPerformance)

Gym CustomerSatisfaction (gymName\*, memberEmail\*, customerSatisfaction)

Gym classAttendance (gymName\*, memberEmail\*, date, isPresent)

Gym Membership (gymName\*, memberEmail\*, date)

GymTrainers (gymName\*, trainerEmail\*)

Gym\_Machines ( gymName\* , exerciseName\*, machineName\*)

Trainer (<u>trainerEmail</u>, name, password, speciality, experience, qualification, isVerified, addedBy\*)

TrainerRating (<u>trainerEmail</u>\*, <u>memberEmail</u>\*,rating)

Trainer Verification (VerificationID, trainerEmail\*, gymName\*, isVerified)

Feedback (<a href="mail">trainerEmail</a>\*, <a href="mail">memberEmail</a>\*, <a href="feedbackContent">feedbackContent</a>)

Exercise (exerciseName, targetMuscle)

WorkoutPlan ( workoutPlanID, trainerEmail\*, memberEmail\*, goal, schedule, experienceLevel)

Workout Exercises (<u>Day</u>, <u>workoutPlanID\*</u>, <u>exerciseName\*</u>, sets, reps)

Diet Meal (<u>Day, dietPlanID\*, mealName</u>\*)

DietPlan (dietPlanID, trainerEmail\*, memberEmail\*, purpose, typeOfDiet)

Meal(mealName, allergen, fibre, fats, carbs, protein, calories, nutrition, portionSize)

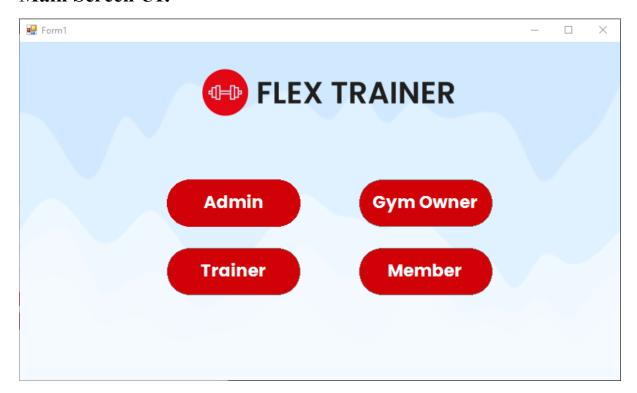
Member (<u>memberEmail</u>, addedBy\*, trainerEmail\*, dietPlanID\*, isApproved, currentlyFollowingWorkoutPlanID\*, gymName\*, memberName, password, membershipDuration, objectives, signup\_date)

Member\_Verification (VerificationID, memberEmail\*, gymName\*)

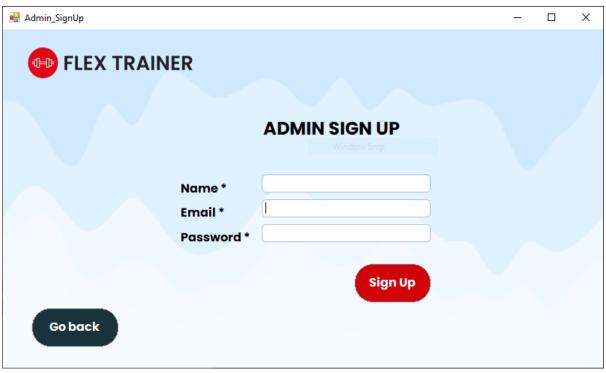
Appointment (<u>AppointmentID</u>, trainerEmail\*, memberEmail\*, appointmentDescription, date)

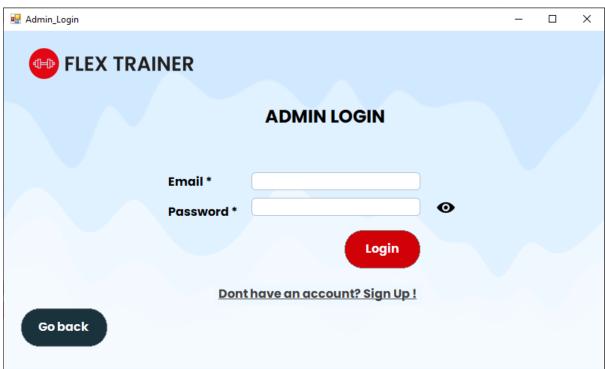
## Changes made in the UI after Milestone-II

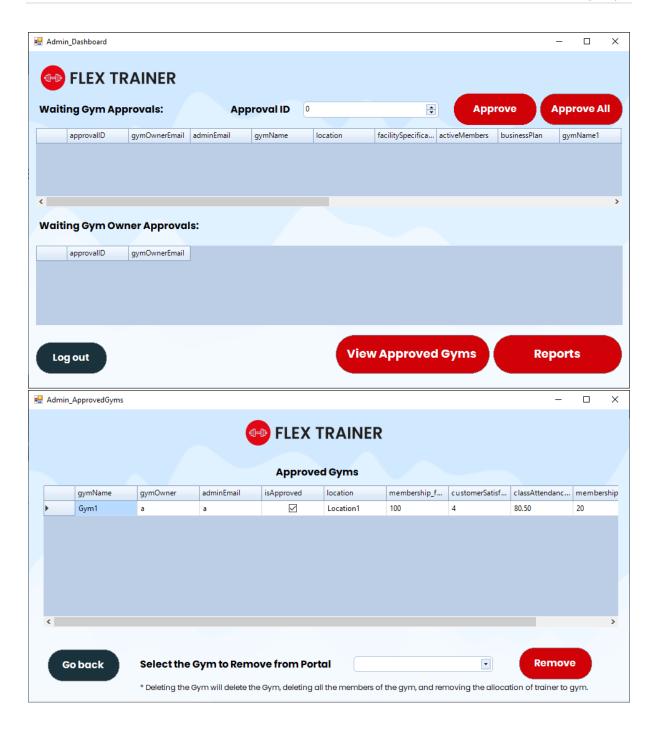
## **Main Screen UI:**

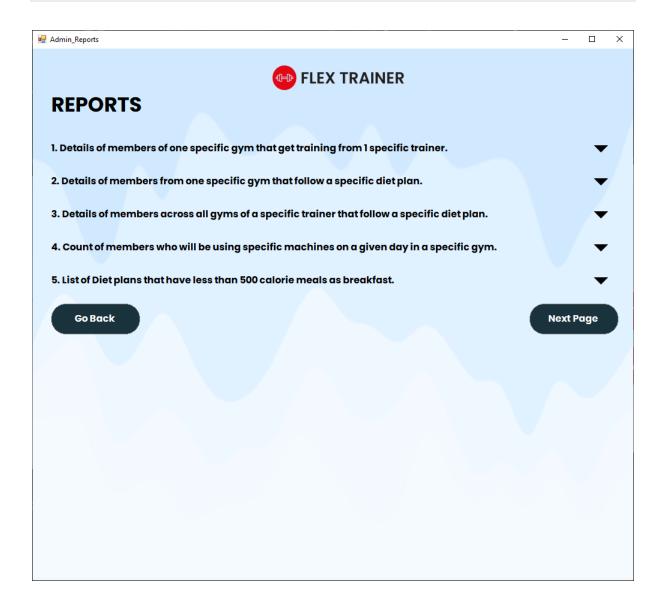


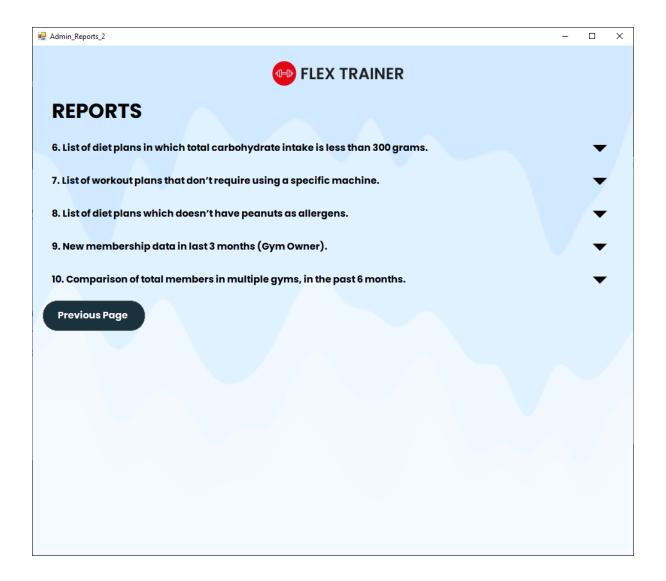
## **Admin UI:**



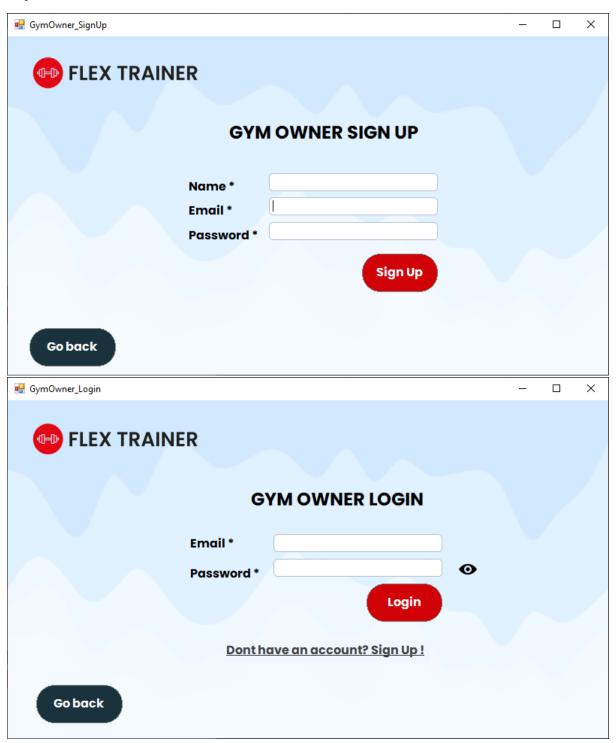


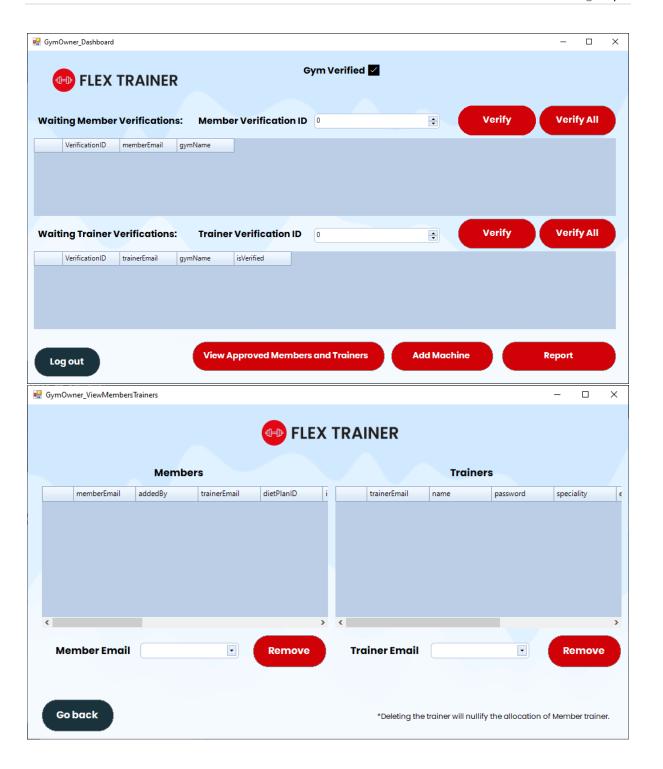


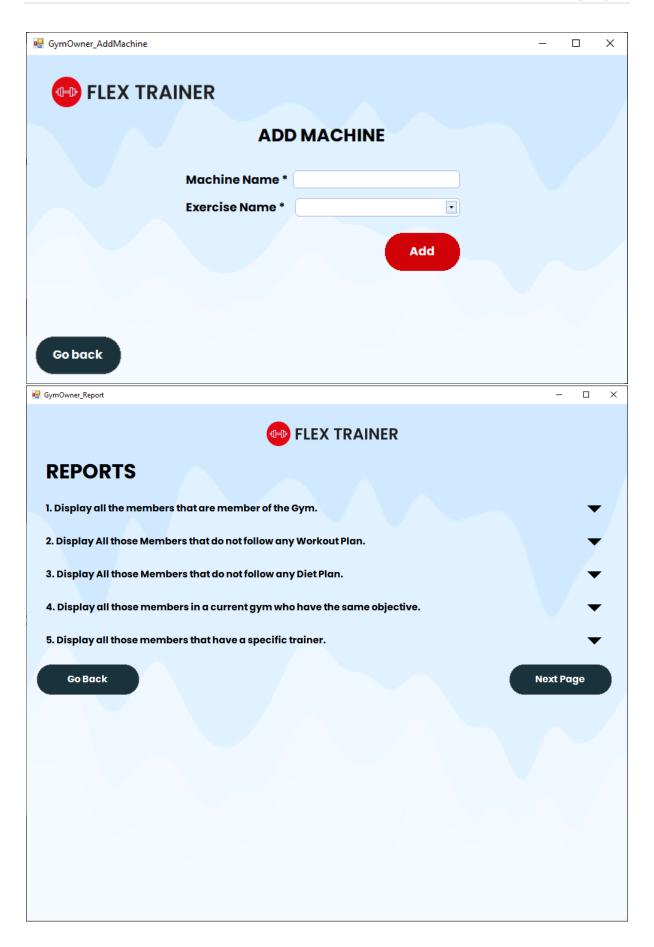


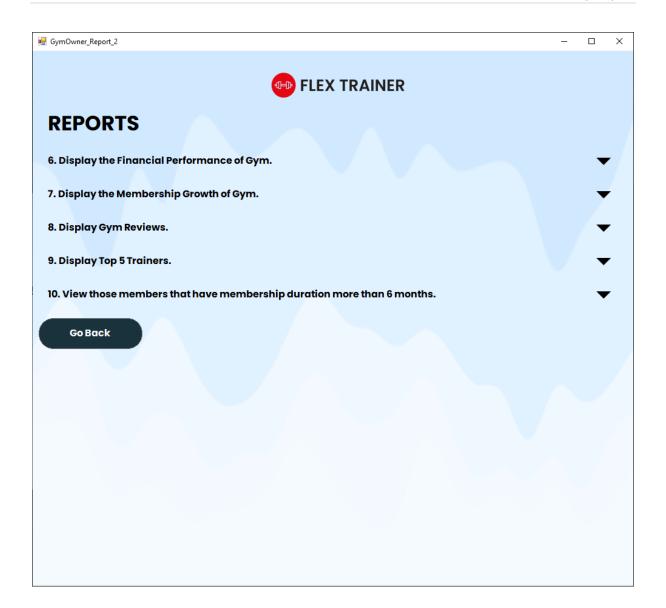


## **Gym Owner UI:**

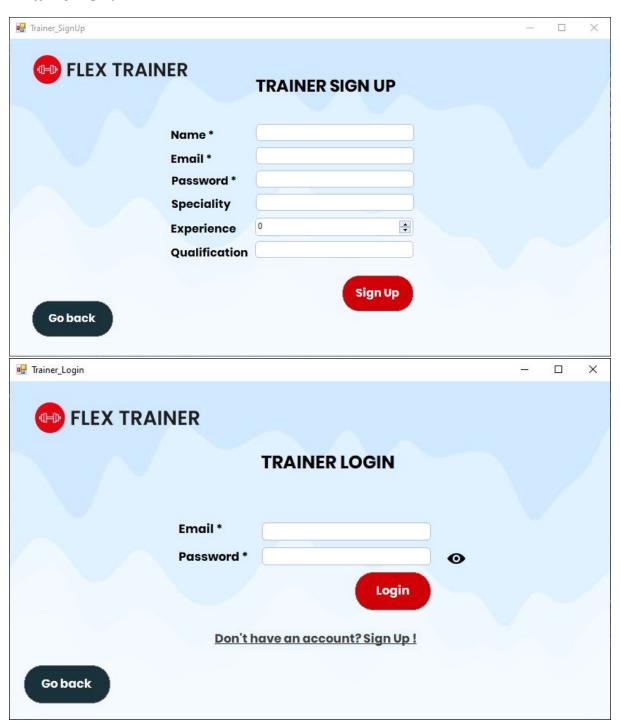


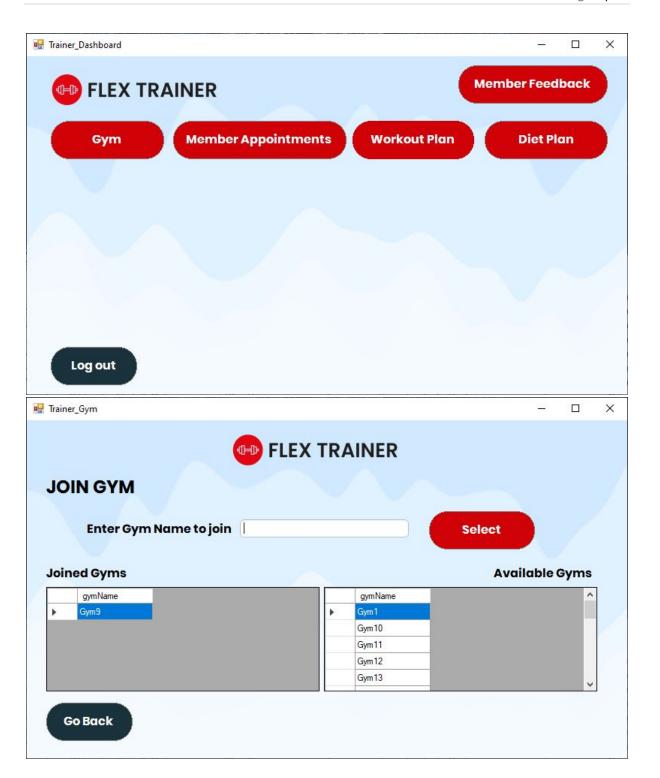


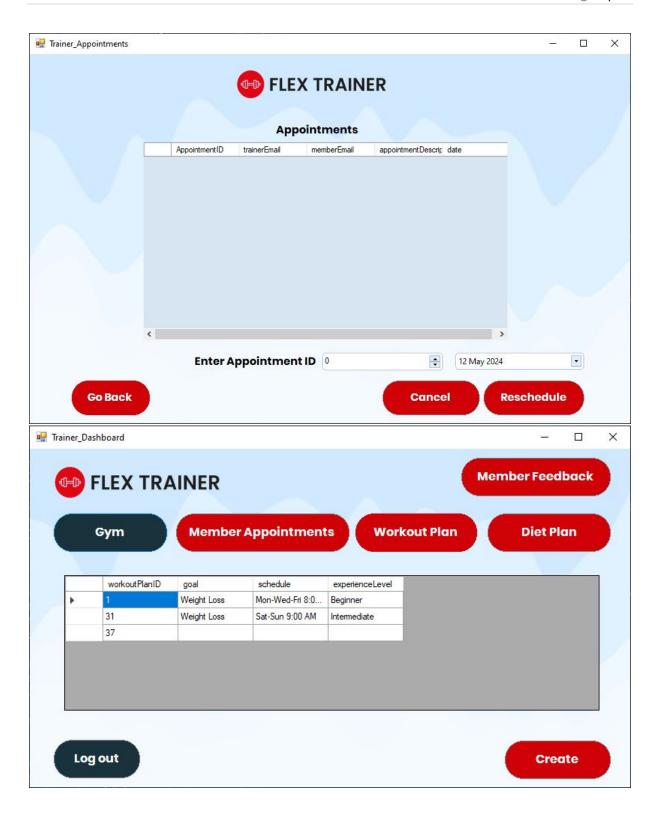


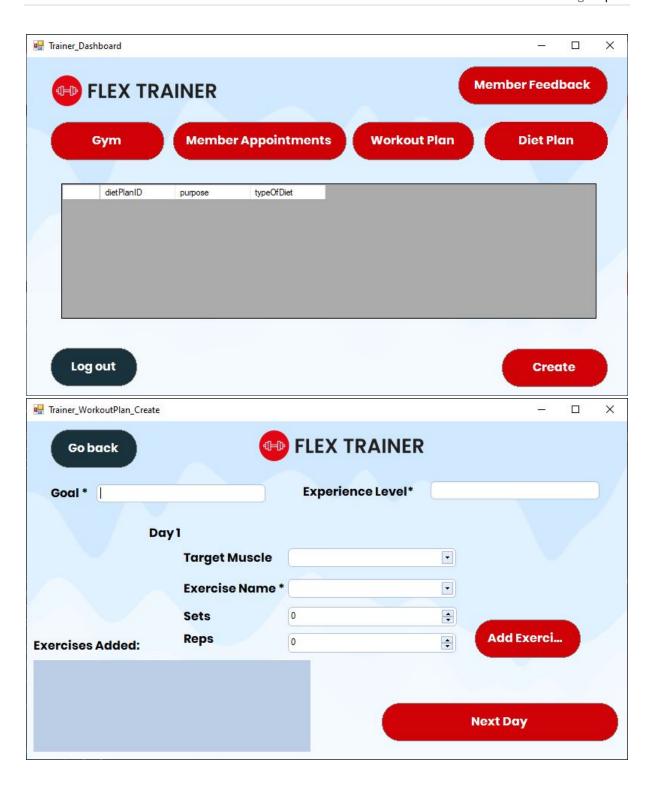


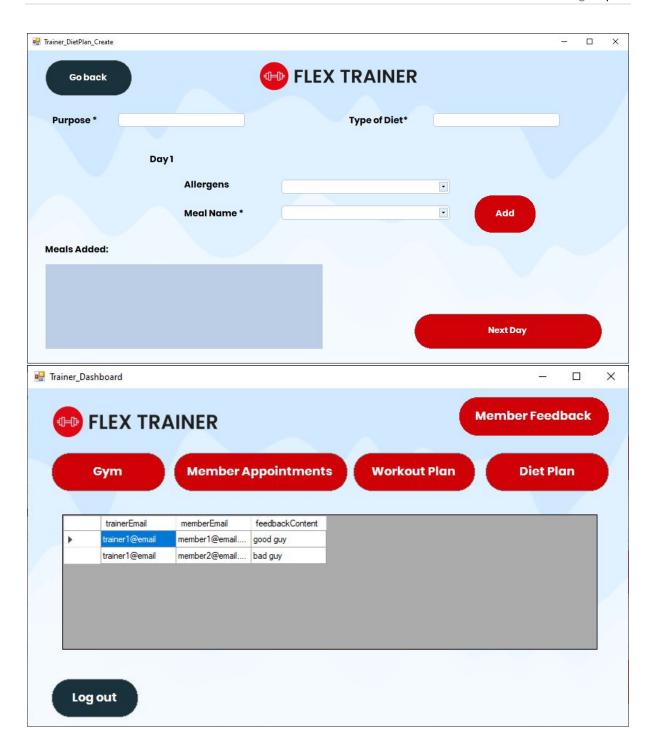
## **Trainer UI:**



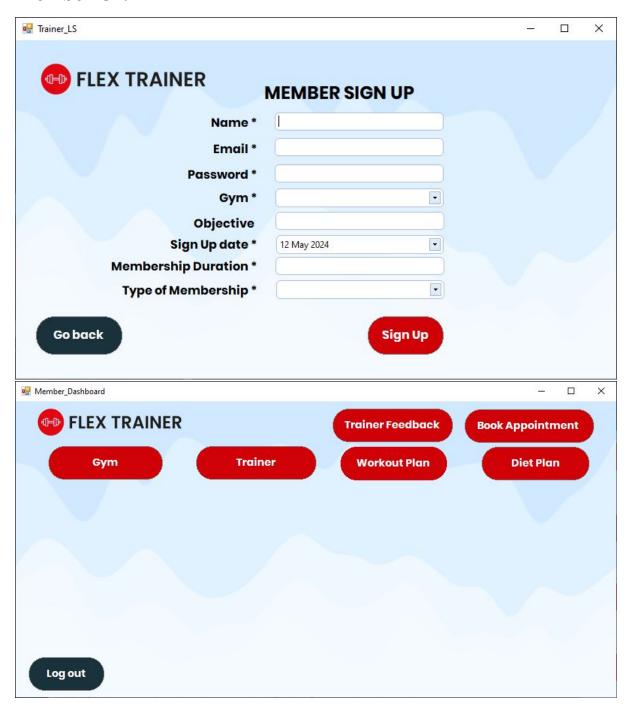


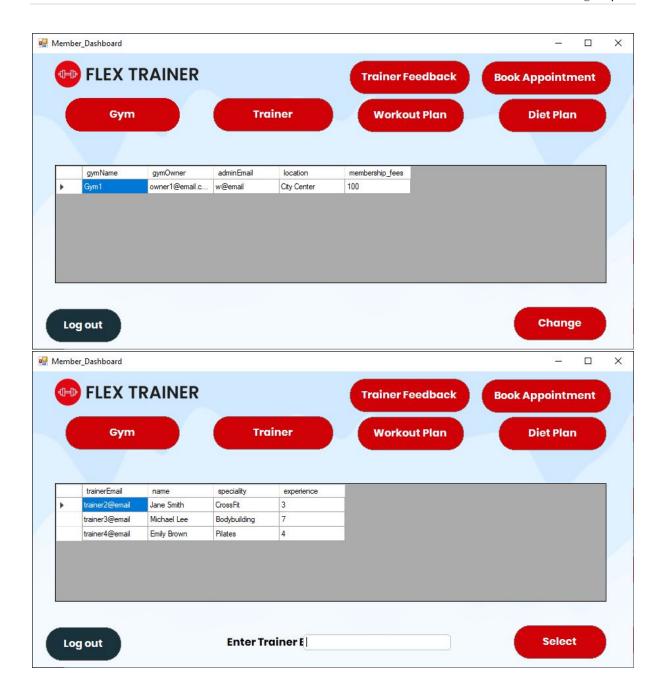


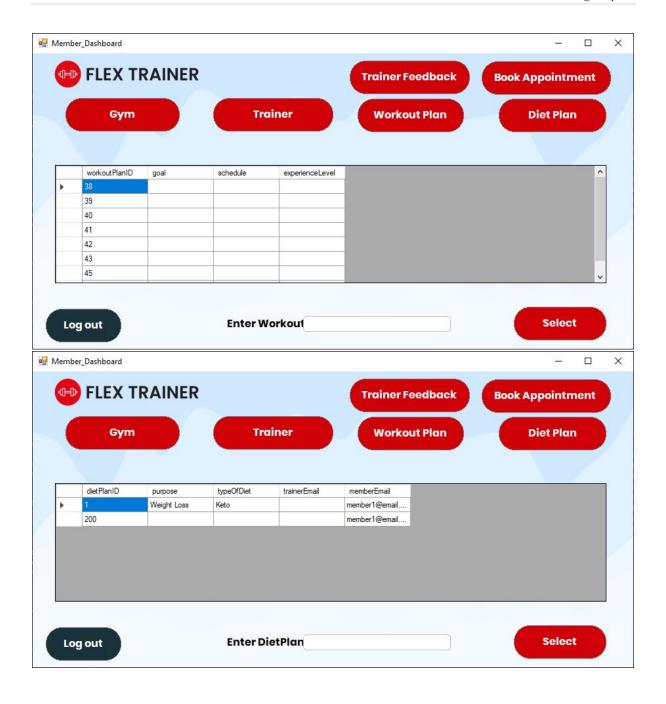


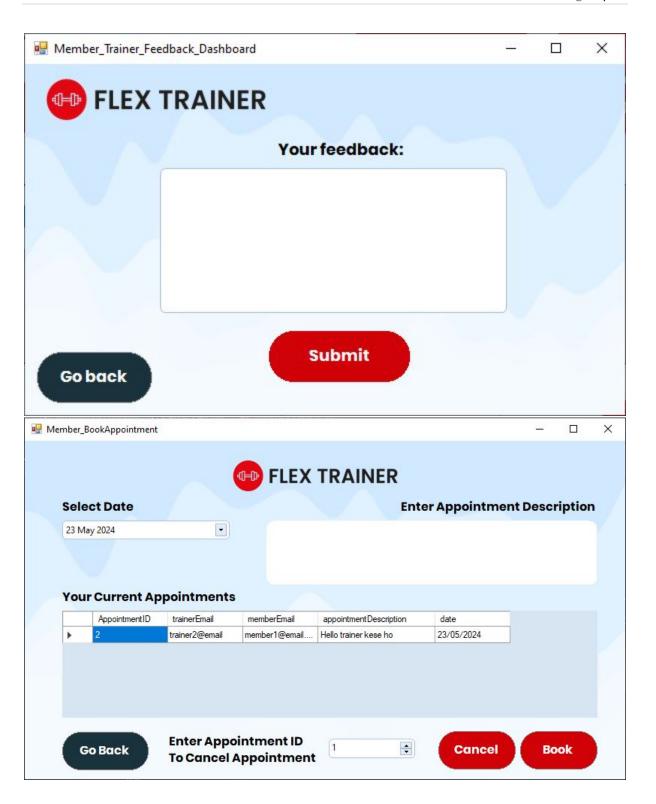


## **Member UI:**



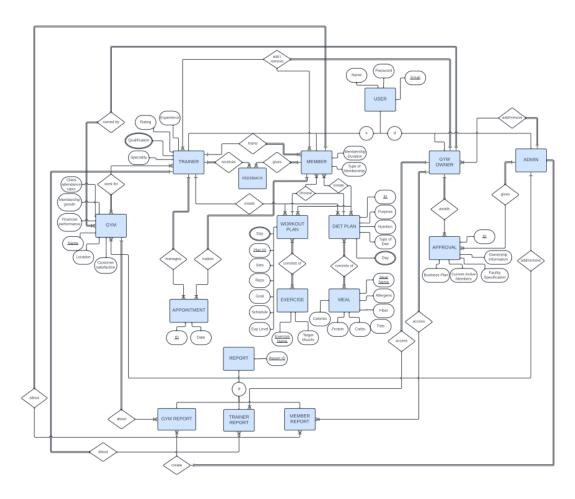






## Entity Relationship Diagram

# FLEX TRAINER



### Functionality

### 1) User Registration and Approval:

- Gym owners, trainers, and members can register for the system.
- Upon registration, users must request approval from the relevant authority (admin for gym owners, gym owner for trainers and members).
- Approval requests are reviewed and approved by the appropriate authority.

### 2) Gym Owner Functionality:

- Gym owners have access to reports on various aspects of their gym's performance, including membership growth, attendance rates, and trainer/member activities.
- They can submit gym registration requests, which are reviewed and approved by the admin.
- Gym owners can remove trainers or members from their gym if necessary.

### 3) Admin Functionality:

- Admins oversee the entire system and have access to reports across all registered gyms.
- They can approve gym owner registration requests and gym registration requests from gym owners.
- Admins can remove gyms from the system if they no longer meet the required standards.

#### 4) Trainer and Member Functionality:

- Trainers and members have access to personalized interfaces where they can create workout plans, diet plans, and book appointments.
- They can request approval from gym owners to access gym-specific functionalities.
- Trainers can join multiple gyms, with each gym owner's approval.
- Members can choose trainers and book appointments with them.
- Trainers have the option to accept or reject appointment requests.