System Requirements Statement (SRS) –

Fitness Tracker

Doc. Ref. : SRS\_v0.4.doc

Version : 0.4

Status : Drafted

Created by : Group 1

Date : 09-July-2023

**1.** **Introduction 3**

**2.** **Functional Requirements 4**

2.1 Member Module 5

2.2 Wholesaler Module 11

2.3 admin Module 17

2.4 message acknoeledgement Module 21

2.5 Use Case Diagram.............................................................................................................................22

# Introduction

This document explains the system requirements and scope for developing Fitness Tracker System.

Fitness Tracker System could divide the four main parts, Member part, Wholesaler part, Admin part and the acknowledgement part.

This document describes the system requirement of the Account part.

# Functional Requirements

The Account part of Fitness Tracker System has three modules which are described below:

| **No** | **BRS requirement ID** | **Description** |
| --- | --- | --- |
| **2.1** | **Member Module** | |
| **2.1.1** | **F1** | **Account Creation Process** |
| **2.1.2** | **F2** | **Login Process** |
| **2.1.3** | **F3** | **Forgot Password Process** |
| **2.1.4** | **F4** | **Change Password Process** |
| **2.1.5** | **F5** | **Update Account Process** |
| **2.1.6** | **F6** | **Select Membership** |
| **2.1.7** | **F7** | **View Schedule** |
| **2.1.8** | **F8** | **Track Calories & Weight** |
| **2.1.9** | **F9** | **Submit Feedback** |
| **2.2** | **Trainer Module** | |
| **2.2.1** | **F11** | **Account Creation Process** |
| **2.2.2** | **F12** | **Login Process** |
| **2.2.3** | **F13** | **Forgot Password Process** |
| **2.2.4** | **F14** | **Change Password Process** |
| **2.2.5** | **F15** | **Update Account Process** |
| **2.2.6** | **F16** | **Account Management** |
| **2.2.7** | **F17** | **Fill the daily workout goals** |
| **2.2.8** | **F18** | **Create the new custom workout plan** |
| **2.3 Admin Module** | | |
| **2.3.1** | **F21** | **Login Process** |
| **2.3.2** | **F22** | **Forgot Password Process** |
| **2.3.3** | **F23** | **Change Password Process** |
| **2.3.4** | **F24** | **Update Account Process** |
| **2.3.5** | **F25** | **Report Generation** |
| **2.3.6** | **F26** | **Account Management** |
| **2.3.7** | **F27** | **Verification of Register Trainer and Dietitian** |
| **2.3.8** | **F28** | **Membership Renew** |
| **2.4 Dietitian Module** | | |
| **2.4.1** | **F27** | **Login Process** |
| **2.4.2** | **F28** | **Forgot Password Process** |
| **2.4.3** | **F29** | **Change Password Process** |
| **2.4.4** | **F30** | **Update Account Process** |
| **2.4.5** | **F31** | **Report Generation** |
| **2.4.6** | **F32** | **Account Management** |
| **2.4.7** | **F33** | **Modify Diet Library** |
| **2.4.8** | **F34** | **Create Custom Diets for individual Member** |
| **2.5 Library Module** | | |
| **2.5.1** | **F35** | **Create Library** |
| **2.5.2** | **F36** | **Modify Library** |
| **2.5.3** | **F37** | **Delete Library** |
| **2.5.4** | **F38** | **Display Library** |

## Member Module

### Account Creation Process

* Fitness Tracker System compels to create the account before using it. So, Fitness Tracker System should provide the function which makes Member creates new account.
* When user creates new account, the function demands four information described as below.

1. Login information
2. Contact Details

* The Login information

The Login information consists of some items described as below.

1. UserID
2. Password
3. First Name
4. Last Name
5. E-mail address
6. Member Type
   * All fields are required for submission.
   * UserID

* The userID should be unique. Upon the start of a new day, the auto incrementing value is reset to the current date format. 09072023001
  + Password
* The Password has constraints which makes the Password consists of more than or equal 8 and less than or equal 16 characteristics including characters described as below.

1. Numeric figure (at least one)
2. Capital alphabet (A-Z)(at least one)
3. Small alphabet (a-z)(at least one)
4. Special character (#, $, %, &, etc.) (at least one)

* The Password is masked by dummy characters. The re-entering Password is demanded.
* The Password must be encrypted in the Fitness Tracker System.
  + User Type

The User Type falls into three categories described as below.

1. User
2. Member
3. Administrator
4. Trainer

* The User Type defines also three types of user; "User user", "Wholesaler user", and "Administrator user”.
* In an Account Creation Process, the user can select User.
* No one could select The Administrator, because Administrator is implemented to Fitness Tracker System in advance.
* Contact Details
* The Contact Detail consists of some items described as below.

1. Permanent Address
2. Contact Phone No
   * All items are compulsory demanded.
   * Permanent Address

* Permanent Address should be filled.
* But only the state should be selected from options.
* The Security Question information

The Security Question information is needed when User lost their Password. This information consists of two items described as below.

1. Selected Question
2. Answer
   * All items are compulsory demanded.
   * Some questions which are difficult to answer for anyone else are prepared in advance.

E.g. which color do you like most?

* + A question should be selected from options by the User, and the Answer is registered by the User.
* Login information should be entered on one screen, and then User information and Security Question information should be entered on another screen.

### Login Process

* Fitness Tracker System always compels user authentication before using itself except when a new account is successfully created.
* The user authentication demands UserID and Password. The UserID and the Password should be checked in three ways.
  + First, The UserID and the Password should be existed and correct.
* If The UserID and the Password are not equal to what the user has registered, the user authentication cannot be provided.
  + Second, the User Type linked to the UserID should be "User".
* When the User Type is "User", then user can be placed on “User Home”.
  + Finally, UserID should be available.
* The Administrator can decide whether the UserID is available or suspended – Refer to the SRS of the Admin part.
* If User is rejected, user authentication is not provided for system user.
* The User account should alive for so long as the duration decided by Admin.
* Only when the three checks are successfully completed, User can be placed on respected page.

### Forgot Password Process

* When system user lost their Password, the recovery method should be provided by Fitness Tracker system.

The recovery method is described as below.

* + First, system user enters their UserID for Fitness Tracker System.
  + Next, Fitness Tracker System demands the Answer which has been registered since when the Account was created.
  + Only when the Answer is correct, User get the new password by E-mail which also has been registered since when the Account was created.
  + The new password is automatically generated by Fitness Tracker System.
* Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
* As a consequence, The User could get the User authentication using the new password.
  + Then, the User had better change the new password manually.
* If the Answer is not correct, otherwise, the correct Answer is demanded for user again.
  + In that case, Of course, User couldn’t get the new password.

### Change Password Process

* When User wants to change their Password, the measure should be provided by Fitness Tracker System.
* Therefore, Fitness Tracker System should provide the function which is available after getting the User authentication.
* The function demands the current password and the new password.
  + Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
  + The current password and the new password are masked by using dummy characters.
  + The new password is demanded to enter twice to avoid a typing error.
* Only when the current password is correct, User could change their Password.
* When the current password is changed into new password, Fitness Tracker System compels user authentication again.

### Update Account Process

* Fitness Tracker System should provide the function which makes the account updated for User.
* The information User could update is described below.

1. Login information
2. User information
3. Security Question Information

* The Login information

The updatable items as described below.

1. First Name
2. Last Name
3. E-mail address
   * All items are compulsory demanded, but updating is optional.

* The User information

The updatable items as described below.

1. User Name
2. User Phone No
3. E-mail address
4. Permanent address
   * All items are compulsory demanded, but updating is optional.

* The Security Question information

The updatable items as described below.

1. Selected Question
2. Answer
   * All items are compulsory demanded, but updating is optional.

### Select membership

* User should select membership as peir Three different types of memberships are there as below:

1. Silver
2. Golden
3. Platinum

### View schedule

* User should view daily schedule such as mentioned below:

1. The type of exercise they have to perform on daily basis.
2. Calendar View: The schedule view typically presents a calendar interface, allowing users to see their workouts organized by dates. It provides an overview of their planned activities.
3. Workout Details: Each scheduled workout entry should include relevant details such as the workout type (e.g., cardio, strength training, yoga), exercise name, duration, intensity, and any specific instructions or goals.
4. Time Slots: Users should be able to allocate specific time slots for their workouts, indicating when they plan to perform each exercise or activity. This helps in setting a routine and managing time effectively.
5. Recurring Events: The schedule view should support recurring events, allowing users to set up workouts that repeat on specific days or intervals. This feature is helpful for creating weekly or monthly training plans.
6. Progress Tracking: A fitness website often integrates progress tracking, where users can see their past workout history and record the results of completed exercises (e.g., reps, sets, weights lifted, distance covered). This data can be displayed alongside each scheduled workout to provide context and allow users to track their progress over time.
7. Reminders and Notifications: The website can send reminders or push notifications to remind users of upcoming workouts or schedule changes, ensuring they stay on track with their fitness goals.

### Track Calories & Weight

1. Food Diary: Users should be able to log their daily food consumption, including meals, snacks, and beverages, along with the respective quantities. The website can provide a comprehensive food database with nutritional information to calculate the calorie intake
2. Calorie Expenditure Estimation: Based on the exercise data entered by the user, the website can estimate the calories burned during each activity. This estimation can be personalized according to the user's weight, age, and gender.
3. Daily Calorie Balance: The website should calculate the user's daily calorie balance by subtracting the calorie intake from the calorie expenditure. This provides an overview of whether the user is in a calorie deficit, maintenance, or surplus for the day.
4. Weight Tracking: Users should be able to track their weight over time. The website can provide a graph or visual representation of their weight progress, allowing them to monitor trends and changes.
5. Progress Analysis: The website should offer insights and analysis of the user's calorie intake, calorie expenditure, and weight data. This can include visualizations, trends, and comparisons to help users understand their progress and make informed adjustments to their diet and exercise routine.
6. Comprehensive Reports: The website can generate comprehensive reports summarizing the user's daily, weekly, or monthly calorie intake, calorie expenditure, and weight changes. This helps users analyze their overall progress and make necessary adjustments.

### Submit Feedback

1. Feedback Submission: The website can include a dedicated feedback section where users can submit their feedback. This can be a form or a text field where users can type their comments, suggestions, or concerns.
2. Workout Intensity Rating: Users can provide feedback on the intensity of their workouts. This can be done by incorporating a rating scale (e.g., 1 to 5 stars) or a slider that allows users to indicate how challenging they found the exercises.
3. User Experience Feedback: Users can share their overall experience with the website, including its features, usability, and any areas for improvement. This feedback can help the wesite developers understand user preferences and make necessary enhancements.
4. Workout Satisfaction Rating: Users can rate their satisfaction with the workouts provided by the website. This feedback can help the website improve the quality and relevance of the workout plans and exercises offered.
5. Bug Reporting: Users should have the option to report any technical issues or bugs they encounter while using the website. This feedback allows the development team to address and resolve these issues promptly.
6. Feature Requests: Users can use the feedback functionality to request new features or suggest enhancements they would like to see in the website. This input can help the website developers prioritize and implement features that align with user needs and preferences.
7. Confirmation and Follow-up: After submitting feedback, users should receive a confirmation message indicating that their feedback has been received. Additionally, the website can provide updates or follow-up notifications to users regarding any actions taken based on their feedback.

#### 6.2 Trainer Module

### Account Creation Process

* + 1. System needs the trainerto create an account before using it. Hence the system provides the functionality for trainerto create a new account.
    2. The account creation requires 4 key information about the dietitian :

1. Login information

2.Contact Details

3.Security Question Information

4.Payment information

* The Login information

The Login information consists of some items described as below.

5.UserID

6.Password

7.First Name

8.Last Name

9.E-mail address

10.User Type

* + All the fields are mandatorily required.
  + UserID
* The TrainerId should be unique. Being an auto incrementing Primary Key, the id shall stay unique for all the registrations.
  + Password
* The Password has constrains which makes the Password consists of more than or equal 8 and less than or equal 16 characteristics including characters described as below.

1.Numeric figure (at least one)

2.Capital alphabet (A-Z)(at least one)

3.Small alphabet (a-z)(at least one)

4.Special character (#, $, %, &, etc.) (at least one)

* The Password is masked by dummy characters. The re-entering Password is demanded.
* The Password must be encrypted in Fitness Tracker System.
* Contact Details
* The Contact Detail consists of some items described as below.

1.Permanent Address

2.Contact Phone No

* + All the fields are mandatorily required
  + Permanent Address
* Permanent Address should be filled.
* But only the state should be selected from options.
* The Security Question information

The Security Question information is needed when Wholesaler lost their Password. This information consists of two items described as below.

1. Selected Question
2. Answer
   * All items are compulsory demanded.
   * Some questions which are difficult to answer for anyone else are prepared in advance.

E.g. which color do you like most?

* + A question should be selected from options by the Wholesaler, and the Answer is registered by the Wholesaler.
* Login information should be entered on one screen, and then trainer information and Security Question information should be entered on another screen.

### Login Process

* Fitness Tracker System always compels trainer’s authentication before using itself except when a new account is successfully created.
* The user authentication demands UserID and Password. The UserID and the Password should be checked in three ways.
  + First, The UserID and the Password should be existed and correct.
* If The UserID and the Password are not equal to what the user has registered, the user authentication cannot be provided.
  + Second, the User Type linked to the UserID should be "user".
* When the User Type is " trainer", user can be placed on “trainer Home”.
  + Finally, UserID should be available.
* The Administrator can decide whether the UserID is available or suspended – Refer to the SRS of the Admin part.
* If user is rejected, user authentication is not provided for trainer.
* The Wholesaler account should alive for so long as the duration decided by Admin.
* Only when the three checks are successfully completed, trainer can be placed on respected page.
* The “Trainer Home” provides the some items described as below.

1. A trigger to logout
2. A trigger to update Account
3. A trigger to Change Password
4. A trigger to Search Product
5. A trigger to Publish Product for sale
6. A trigger to Update Product Information
7. A trigger to Delete Product
8. A trigger to Browse existing Market price

### Forgot Password Process

* When trainer lost their Password, the recovery method should be provided by Fitness Tracker system.

The recovery method is described as below.

* + First, trainer enters their UserID for Fitness Tracker System.
  + Next, Fitness Tracker System demands the Answer which has been registered since when the Account was created.
  + Only when the Answer is correct, trainer get the new password by E-mail which also has been registered since when the Account was created.
  + The new password is automatically generated by Fitness Tracker System.
* Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
* As a consequence, The Trainer could get the user authentication using the new password.
  + Then, the Trainer had better change the new password manually.
* If the Answer is not correct, otherwise, the correct Answer is demanded for Wholesaler again.
  + In that case, Of course, Trainer couldn’t get the new password.

### Change Password Process

* When Wholesaler wants to change their Password, the measure should be provided by Fitness Tracker System.
* Therefore, Fitness Tracker System should provide the function which is available after getting the Trainer authentication.
* The function demands the current password and the new password.
  + Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
  + The current password and the new password are masked by using dummy characters.
  + The new password is demanded to enter twice to avoid a typing error.
* Only when the current password is correct, Trainercould change their Password.
* When the current password is changed into new password, Fitness Tracker System compels Trainer authentication again.

### Update Account Process

* Fitness Tracker System should provide the function which makes the account updated for Trainer.
* The information Trainer could update is described below.

1. Login information

2. User information

3. Security Question Information

* The Login information

The updatable items as described below.

1. First Name
2. Last Name
3. E-mail address
   * All items are compulsory demanded, but updating is optional.

* The User information

The updatable items as described below.

1. User Name
2. User Phone No
3. E-mail address
4. Permanent address
   * All items are compulsory demanded, but updating is optional.

* The Security Question information

The updatable items as described below.

1. Selected Question
2. Answer
   * All items are compulsory demanded, but updating is optional.

#### Fill the daily workout goals

• Search conditions are described as below.

1. Member Daily workout goal sheet

• As the result of searching Requirements, Trainer could able to fill the details of assigned members

#### Create the new custom workout plan

• After getting access of Libraries from Admin trainer will be able to create new customized workout plan.

#### Admin Module

**•** Administratorshould be responsible for following activities**,**

### Login Process

* Fitness Tracker System always compels user authentication before using itself except when a new account is successfully created.
* The user authentication demands UserID and Password. The UserID and the Password should be checked in three ways.
  + First, The UserID and the Password should be existed and correct.
* If The UserID and the Password are not equal to what the admin has registered, the Admin authentication cannot be provided.
  + Second, the User Type linked to the UserID should be "Admin".
* When the User Type is "Admin", user can be placed on “Admin Home”.
  + Finally, UserID should be available.
* If user is rejected, user authentication is not provided for system user.
* The Admin account should alive for so long as the duration decided by Admin.
* Only when the three checks are successfully completed, Admin can be placed on respected page.
* The “Admin Home” provides the some items described as below.

1.A trigger to logout

2.A trigger to update Account

3.A trigger to Change Password

5.A trigger to Update Information

6.A trigger to Delete or Add member

7.A trigger to Renew membership

### Forgot Password Process

* When Admin lost their Password, the recovery method should be provided by Fitness Tracker system.

The recovery method is described as below.

* + First, Admin enters their UserID for Fitness Tracker System.
  + He will enter the E-mail id since when the Account was created.
  + Only when the E-mail Id is correct, Admin get the new password by E-mail which also has been registered since when the Account was created.
  + The new password is automatically generated by Fitness Tracker System.
* Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
* As a consequence, The Admin could get the Admin authentication using the new password.
  + Then, the Admin had better change the new password manually.

### Change Password Process

* When Admin wants to change his Password, the measure should be provided by Fitness Tracker System.
* The function demands the current password and the new password.
  + Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
  + The current password and the new password are masked by using dummy characters.
  + The new password is demanded to enter twice to avoid a typing error.
* Only when the current password is correct, Admin could change his Password.
* When the current password is changed into new password, Fitness Tracker System compels user authentication again.

### Update Account Process

* Fitness Tracker System should provide the function which makes the account updated for Admin.
* The information Admin could update is described below.

1. Login information
2. User information

* The Login information

The updatable items as described below.

1. First Name
2. Last Name
3. E-mail address
   * All items are compulsory demanded, but updating is optional.

* The User information

The updatable items as described below.

1. User Name
2. User Phone No
3. E-mail address
4. Permanent address
   * All items are compulsory demanded, but updating is optional.

* The Security Question information

The updatable items as described below.

1. Selected Question
2. Answer
   * All items are compulsory demanded, but updating is optional.

#### Record Generation

• Admin should able to see all the records from any users.

• Daily report of enrolment to admin.

• Monthly report of enrolment as per the states to admin.

#### Accounts Management

• Admin should able to manage all the accounts with following activities,

1. Enable accounts

2. Disable accounts

#### Verification of Register Trainer and Dietitian

• Admin should able to manage all the trainer and dietitian.

1. Add trainer/dietitian.

2. Remove trainer/dietitian.

#### Membership Renew

• Admin should able to renew the membership.

1. Renew Membership.

2. Revoke Membership.

#### 2.4 Dietitian Module

### 2.4.1 Account Creation Process

* System needs the Dietitian to create an account before using it. Hence the system provides the functionality for dietitians to create a new account.
* The account creation requires 4 key information about the dietitian :

1.Login information

2.Contact Details

3.Security Question Information

4.Payment information.

**The Login information**

The Login information consists of some items described as below.

1.UserID

2.Password

3.First Name

4.Last Name

5.E-mail address

6.User Type

* + All the fields are mandatorily required.
  + Dietitian Id:
* The Dietitian Id should be unique. Being an auto incrementing Primary Key, the id shall stay unique for all the registrations.

**Password**

* The Password must have 8 to 16 characters, including the following specified characters, as per the constraints.

1.Numeric figure (at least one)

2.Capital alphabet (A-Z)(at least one)

3.Small alphabet (a-z)(at least one)

4.Special character (#, $, %, &, etc.) (at least one)

* The Password shall be masked by dummy characters.Confirm password field shall be implemented.
* The Password must be encrypted.

**Contact Details**

* The Contact Detail consists :

1.Permanent Address

2.Contact Phone No

* + All the fields are mandatorily required.

**Permanent Address**

* Permanent Address should be filled with details such as City, pin code, etc

**Security Question**

The Security Question information is needed in case a Dietitian loses their password, and hence access to their account. This information consists of a common security measure, i.e.

* A Selected Question
* Answer to the selected Question
  + All the fields are mandatorily required.
  + A question should be selected from options by the Dietitian, and the Answer is matched with their previously submitted answer.
* Login information should be entered on one screen, and then Dietitian information and Security Question information should be entered on another screen.

### Login Process

* Fitness Tracker System demands the Dietitian’s authentication before accessing and using the account.
* The user authentication demands UserID and Password. The UserID and the Password should be checked in three ways.
  + First, The UserID and the Password should exist and should be correct.
* If The UserID or the Password are not equal to what the user has registered, the user authentication cannot be provided.
  + Second, the User Type linked to the UserID should be "user".
* When the User Type is " Dietitian ", user can be placed on “Dietitian Home Page”.
  + Finally, UserID should be available.
* The Administrator can decide whether the UserID is available or suspended – Refer to the SRS of the Admin part.
* If user is rejected, user authentication is not provided for Dietitian.
* The Wholesaler account should alive for so long as the duration decided by Admin.
* Only when the three checks are successfully completed, Wholesaler can be placed on respected page.
* The “Wholesaler Home” provides the some items described as below.

1. A trigger to logout
2. A trigger to update Account
3. A trigger to Change Password
4. A trigger to Search Product
5. A trigger to Publish Product for sale
6. A trigger to Update Product Information
7. A trigger to Delete Product
8. A trigger to Browse existing Market price

### Forgot Password Process

* When Wholesaler lost their Password, the recovery method should be provided by Fitness Tracker system.

The recovery method is described as below.

* + First, Wholesaler enters their UserID for Fitness Tracker System.
  + Next, Fitness Tracker System demands the Answer which has been registered since when the Account was created.
  + Only when the Answer is correct, Wholesaler get the new password by E-mail which also has been registered since when the Account was created.
  + The new password is automatically generated by Fitness Tracker System.
* Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
* As a consequence, The Wholesaler could get the user authentication using the new password.
  + Then, the Wholesaler had better change the new password manually.
* If the Answer is not correct, otherwise, the correct Answer is demanded for Wholesaler again.
  + In that case, Of course, Wholesaler couldn’t get the new password.

### Change Password Process

* When Wholesaler wants to change their Password, the measure should be provided by Fitness Tracker System.
* Therefore, Fitness Tracker System should provide the function which is available after getting the Wholesaler authentication.
* The function demands the current password and the new password.
  + Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
  + The current password and the new password are masked by using dummy characters.
  + The new password is demanded to enter twice to avoid a typing error.
* Only when the current password is correct, Wholesaler could change their Password.
* When the current password is changed into new password, Fitness Tracker System compels Wholesaler authentication again.

### Update Account Process

* Fitness Tracker System should provide the function which makes the account updated for Wholesaler.
* The information Wholesaler could update is described below.

1. Login information

2. User information

3. Security Question Information

* The Login information

The updatable items as described below.

1. First Name
2. Last Name
3. E-mail address
   * All items are compulsory demanded, but updating is optional.

* The User information

The updatable items as described below.

1. User Name
2. User Phone No
3. E-mail address
4. Permanent address
   * All items are compulsory demanded, but updating is optional.

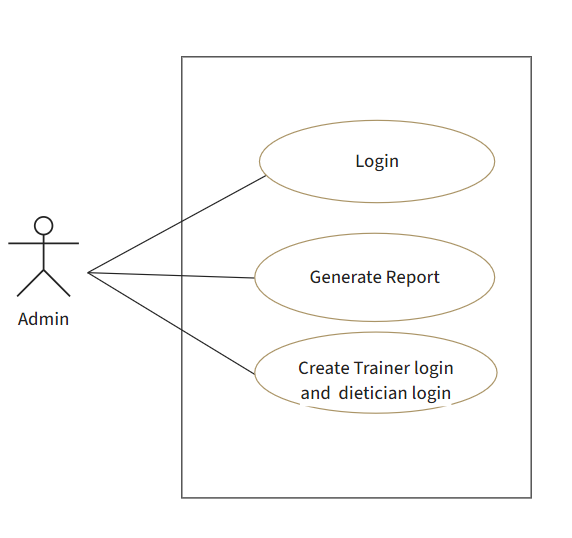
* The Security Question information

The updatable items as described below.

1. Selected Question
2. Answer
   * All items are compulsory demanded, but updating is optional.

#### 2.5 Use Case Diagram

**Admin:**

****

*Fig. Use case diagram for Admin*

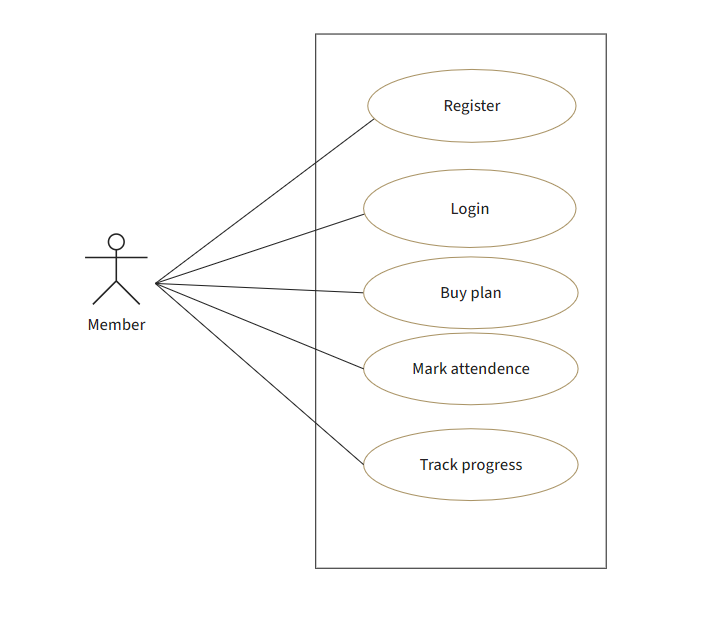
1. In Admin use case diagram Admin is the Actor.
2. Admin can handle following use cases:
3. Login
4. Report Generation
5. Controls Account
6. Renew Membership

**Trainer:**

****

*Fig. Use case diagram for Trainer*

**Member:**



*Fig. Use case diagram for Member*