

**Course code 206**

**Course Name   
Software engineering Theory**

Phase 2: Software Design Document Team Name :

MMA TEAM

# 26 Dec 2020

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## Team

|  |  |  |  |
| --- | --- | --- | --- |
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## Document Purpose and Audience

## Software Purpose

* **To Automate Gym & Fitness admission Process.**

## Software Scope

* **selecting a trainer is difficult. Sometimes it is difficult to get a desired slot timing**
* **Being healthy is the first thing to be kept in mind because most of the time our attitude depends on how we feel**

**List of the Target Audience :**

1. Developers

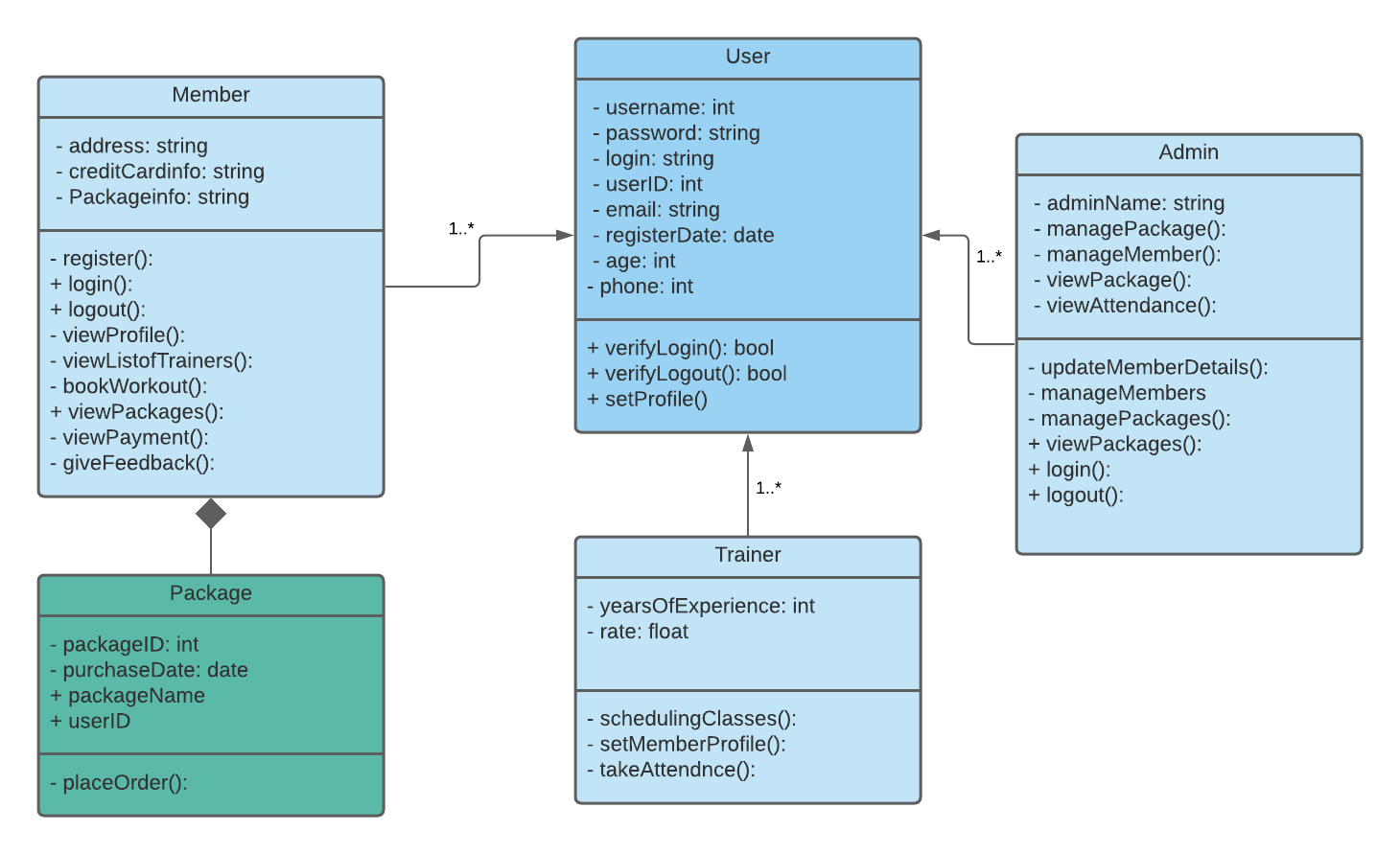
2. Programmers

3. Business professionals

4. Stakeholders

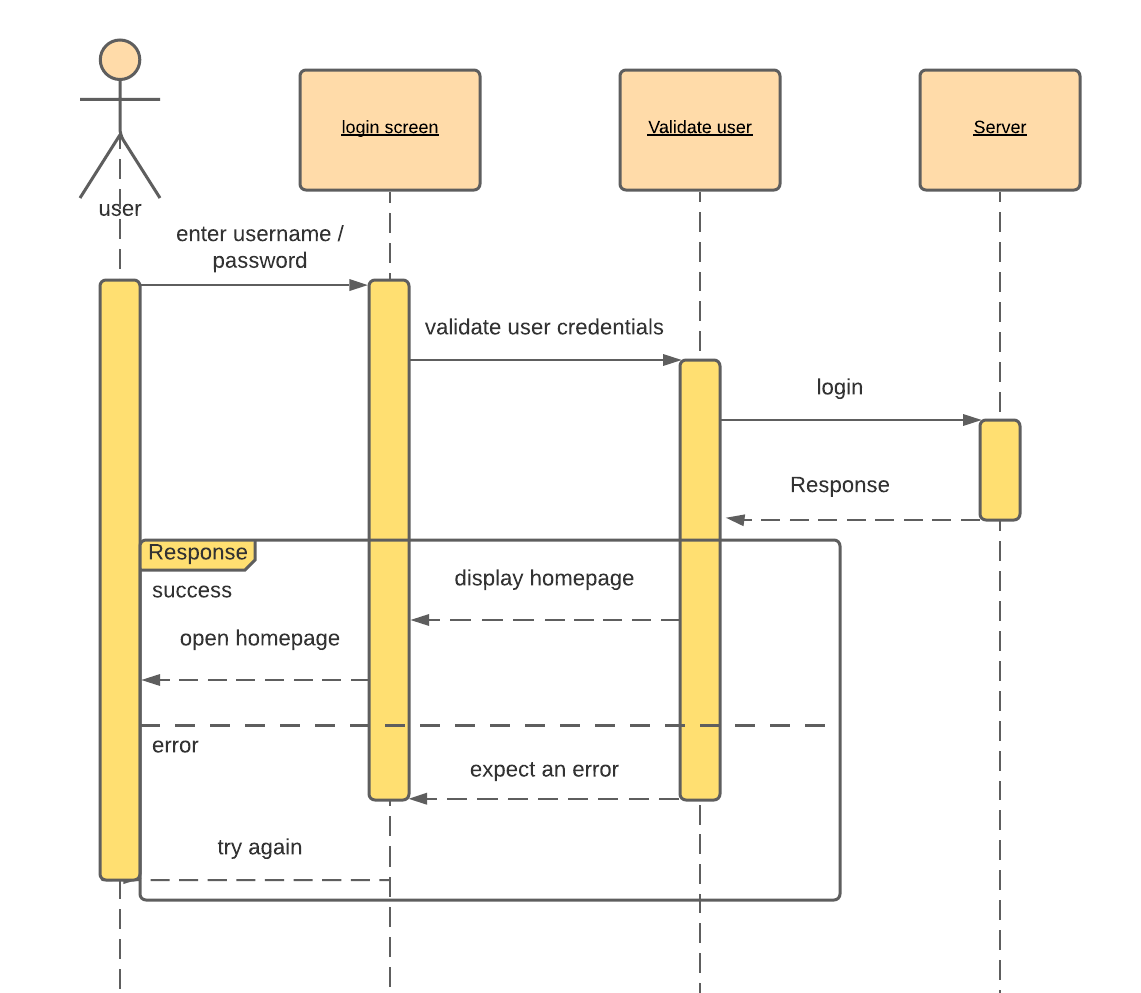
## System Models

### Class diagrams

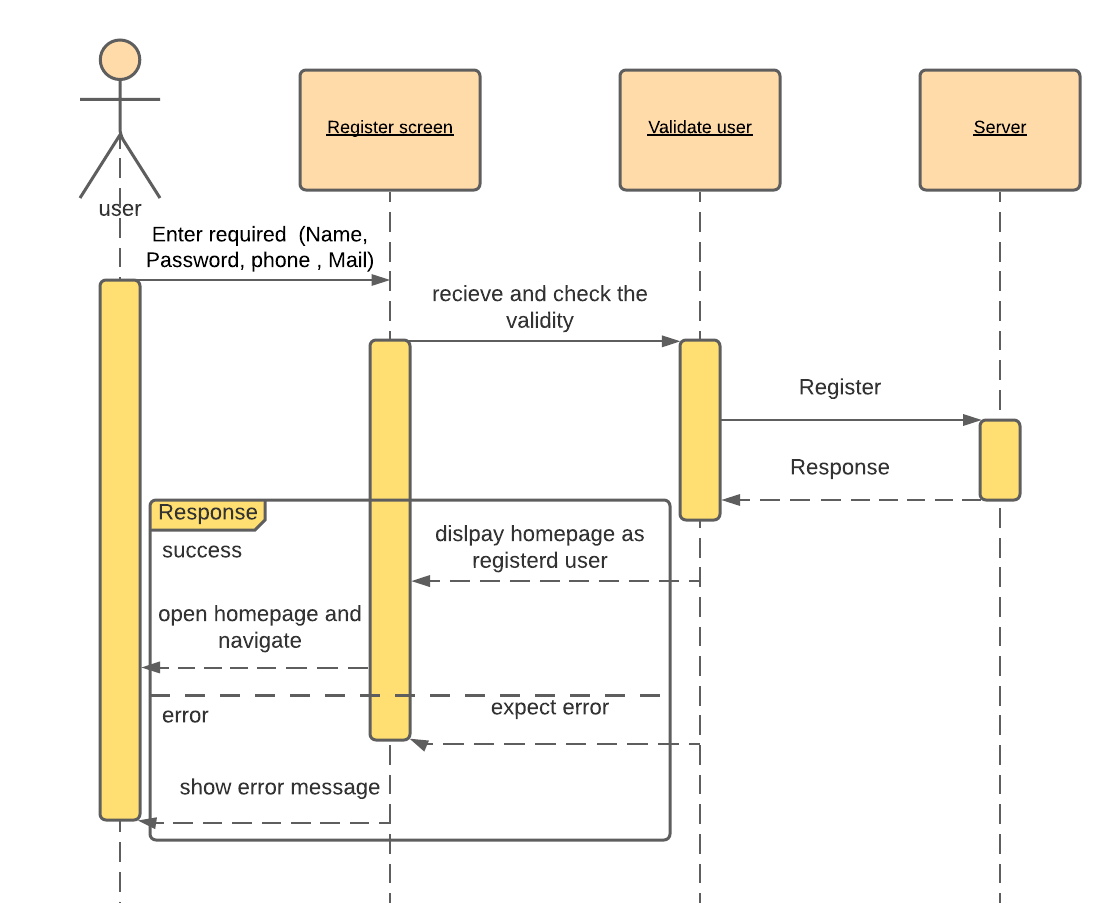
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|  |  |  |  |
| --- | --- | --- | --- |
| **Class ID** | **Class Name** | **Subsystem ID** | **Description & Responsibility** |
| 001 | User | None | Set up profile and take the data of the user |
| 002 | Member | 6.7 | View list of trainers and Enroll in chosen package |
| 003 | Admin | 3 | Manage the system |
| 004 | Trainer | None | Take attendance and years of experiences |
| 005 | Package | 7 | Placing order and save purchase date |

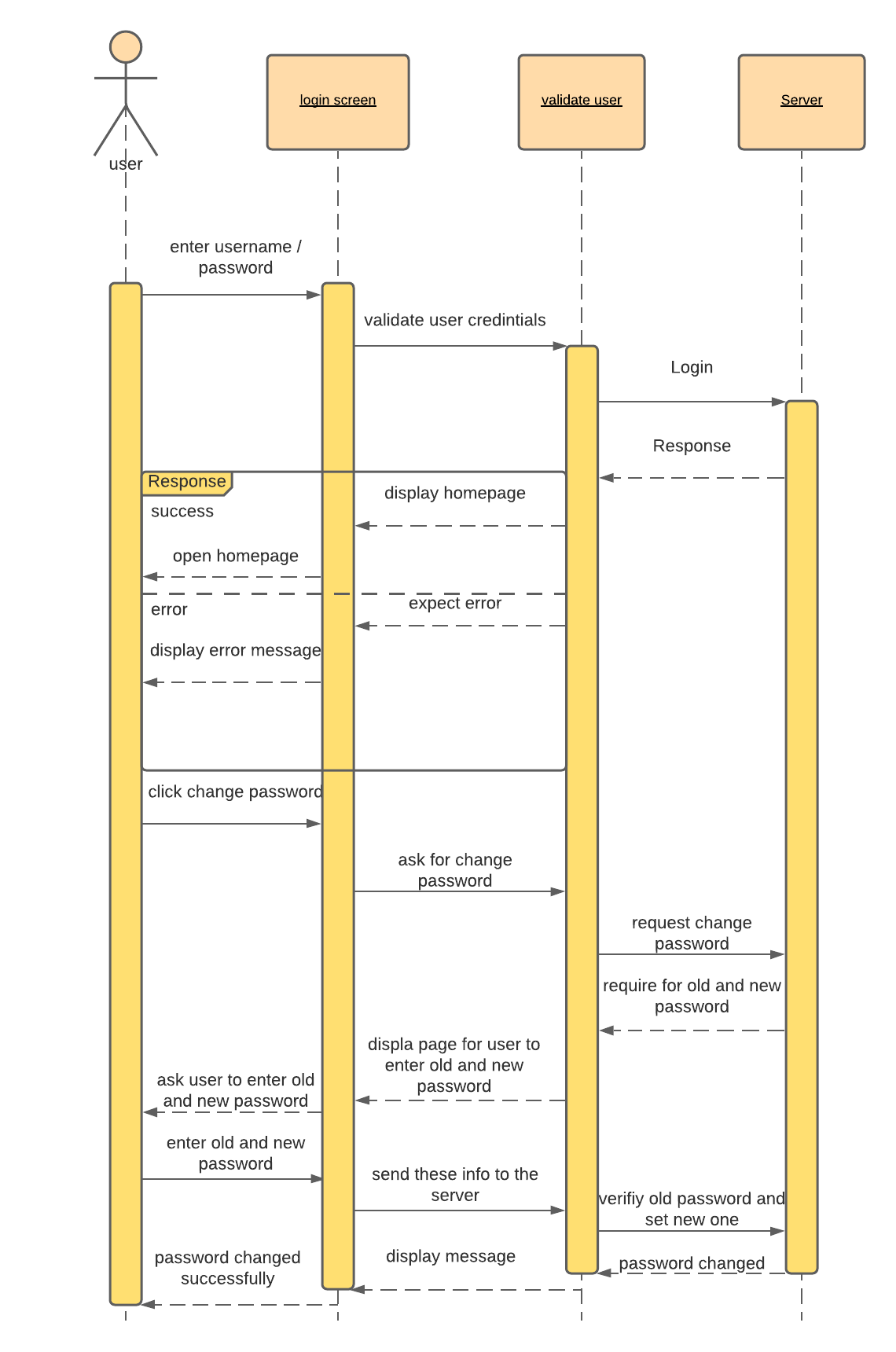
### Sequence diagrams

**1.Login :**

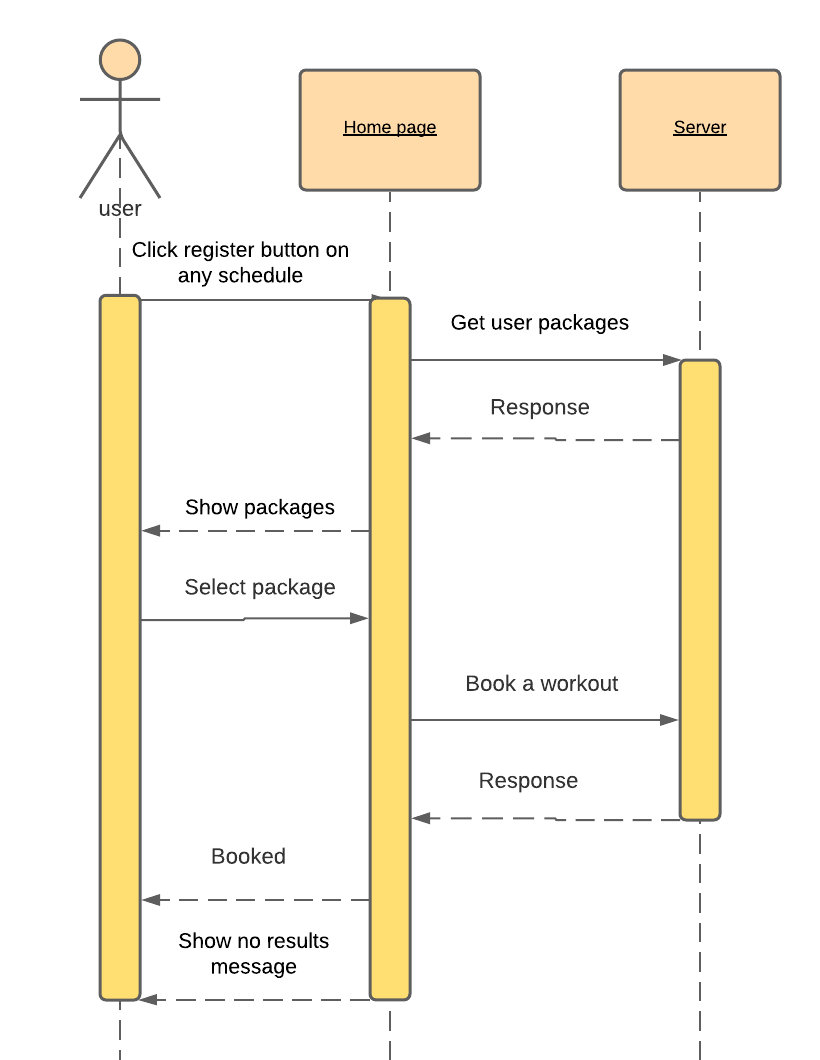
**2.register:**

****

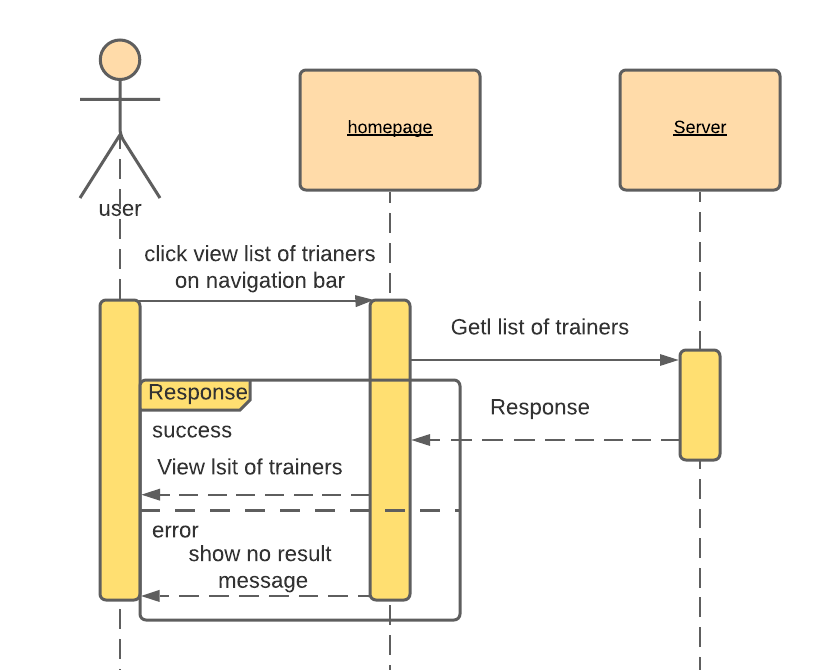
**3.** **change password:**

****

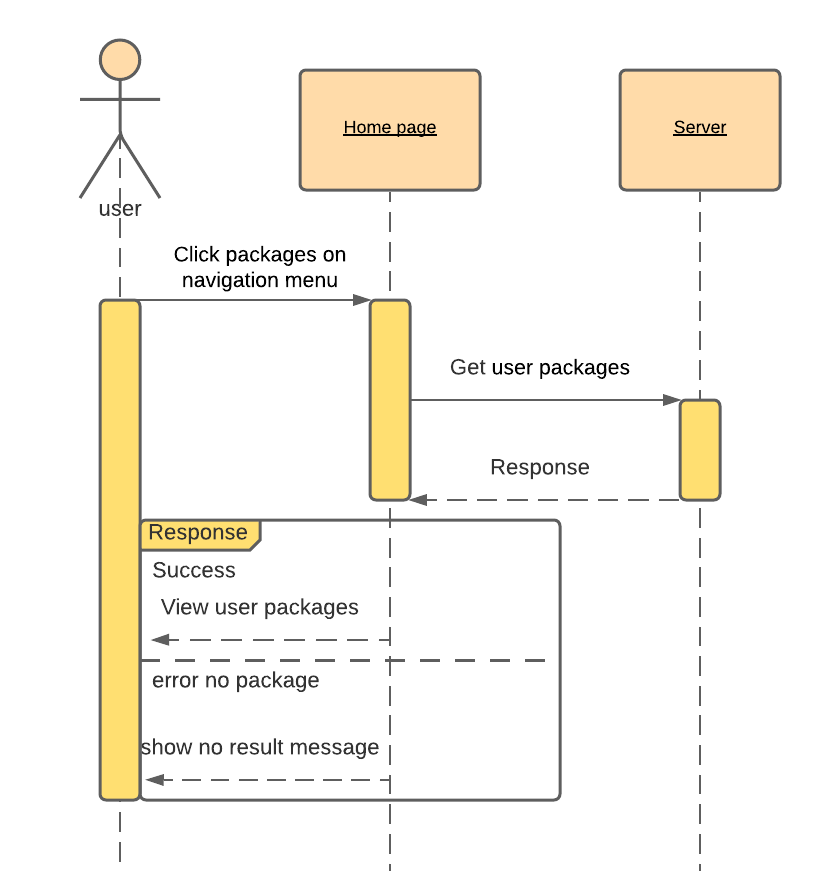
**4.** **book workout:**

****

**5.view list of trainers:**

****

**6.** **view packages:**

****

Class - Sequence Usage Table

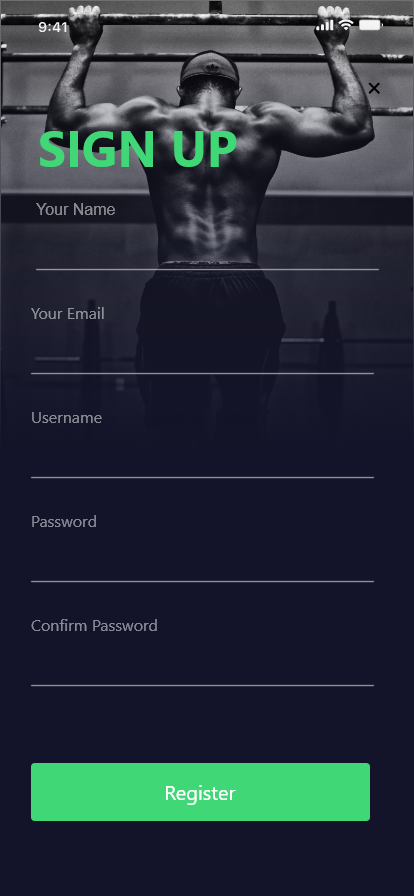
|  |  |  |
| --- | --- | --- |
| **Class Name** | **Sequence Diagrams** | **Overall used methods** |
| User | 1 | Verifylogin() |
| Admin | 2 | Verifylogin() , Managepackage() |
| Admin | 3 | Verifylogin() , ManagememberDetails() ,ViewAttendance() |
| Member | 4 | Verifylogin() , Viewprofile() , Setprofile() |
| Member | 5 | Verifylogin() , GiveFeedback() |
| Trainer | 6 | Verifylogin() , TakeAttendance() |

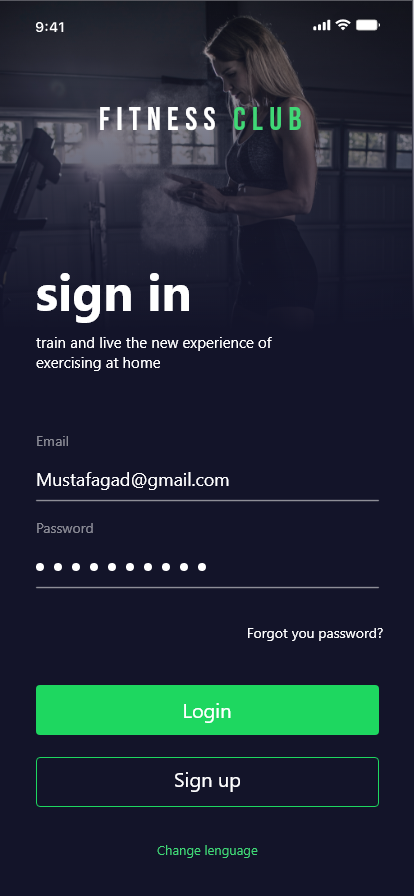
### Physical Entity-Relationship Diagram

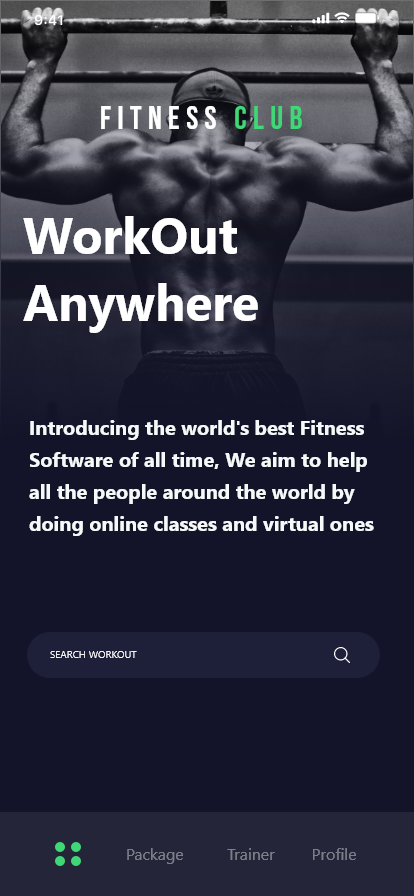
Diagram, schematic

Description automatically generated

### User Interface Design

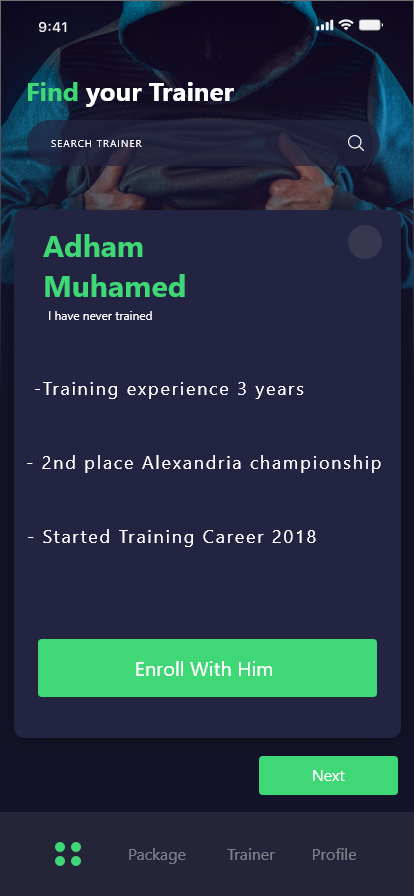


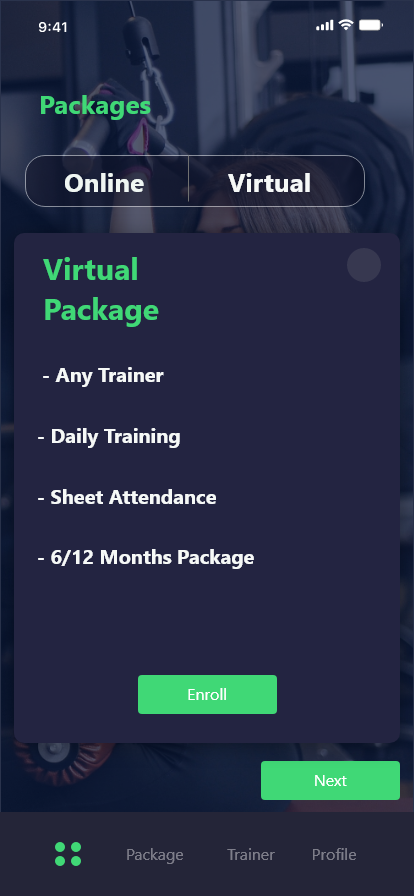




Graphical user interface, application

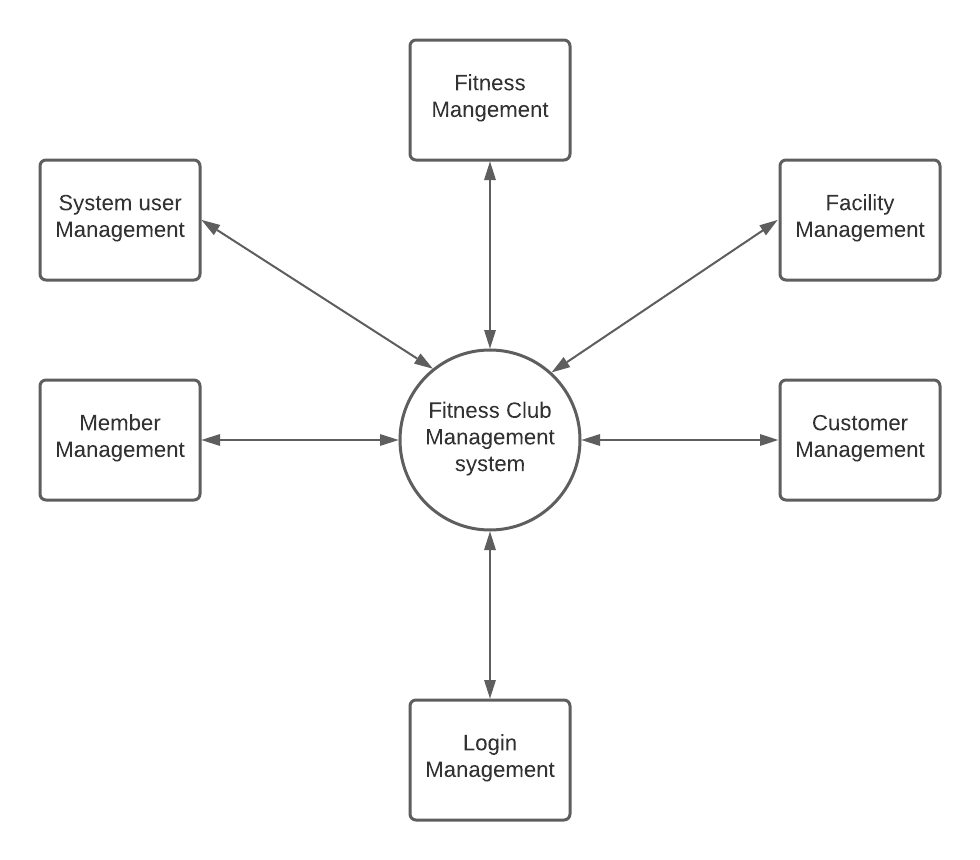
Description automatically generated

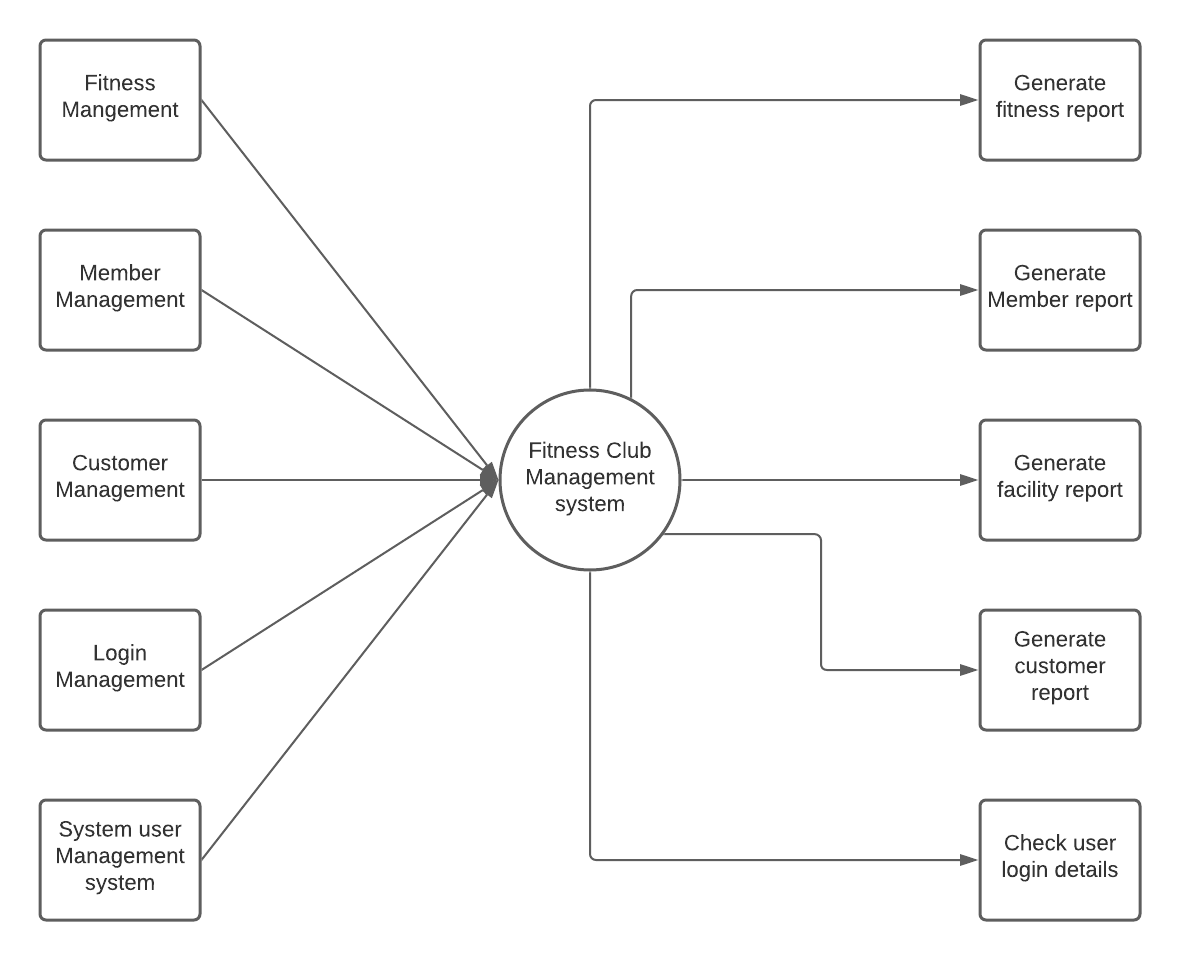




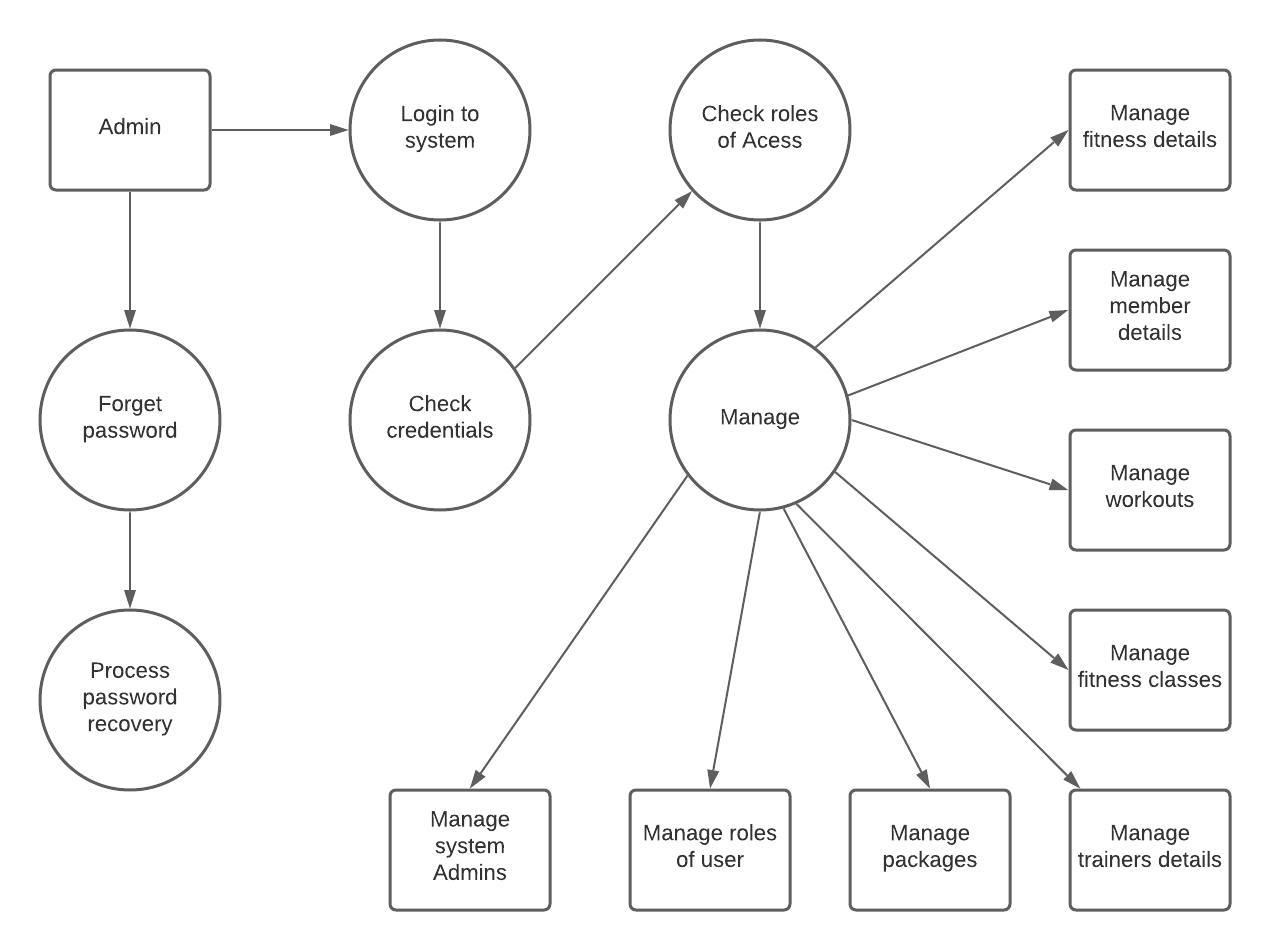
### Dataflow diagram (DFD)

**Zero level diagram:**

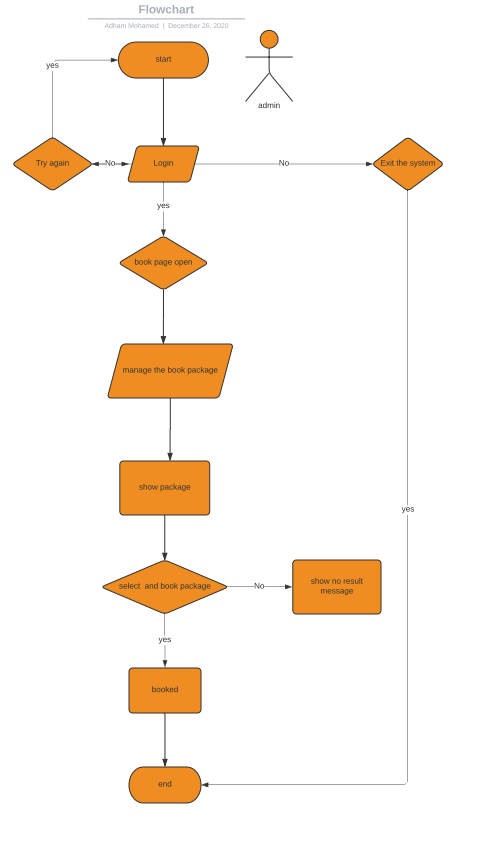
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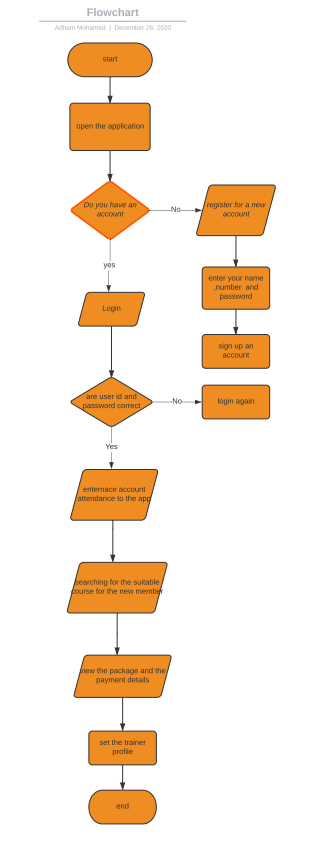
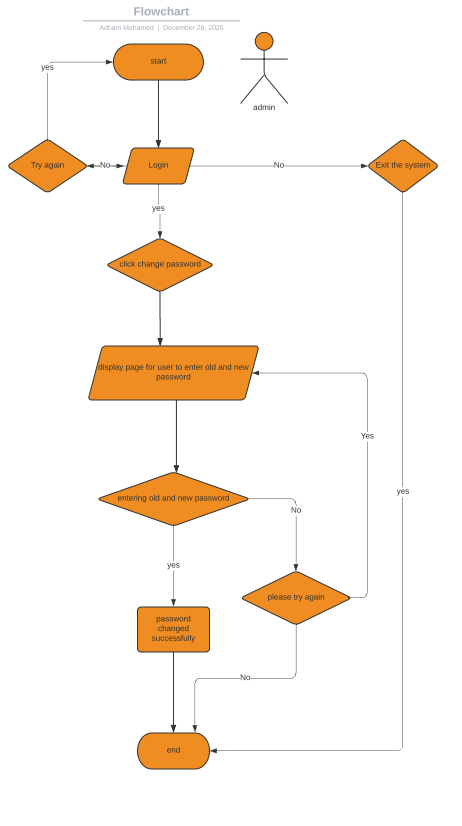
**One level diagram : **

**Two level diagram :**

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### Algorithms and Data Structures





Diagram

Description automatically generated

Diagram, schematic

Description automatically generated

Diagram

Description automatically generated

## Ownership Report

|  |  |
| --- | --- |
| **Item** | **Owners** |
| None |  |
| None |  |

Policy Regarding Plagiarism**:**

**Students have collective ownership and responsibility of their project. Any violation of academic honesty will have severe consequences and punishment for ALL team members.**

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