



Course code 206

Course Name

Software engineering Theory

Phase 2: Software Design Document

Team Name :

MMA TEAM

26 Dec 2020

Phase 2

Project: <Project Name>



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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

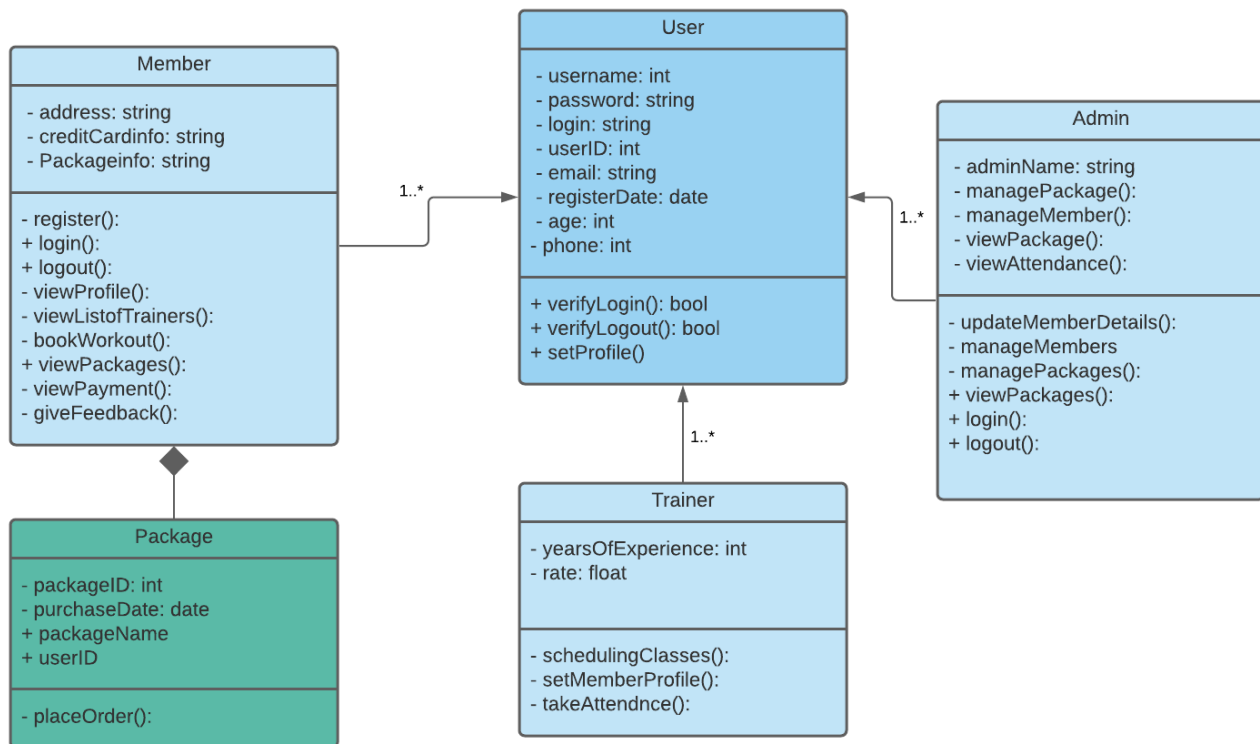
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System Models

I. Class diagrams



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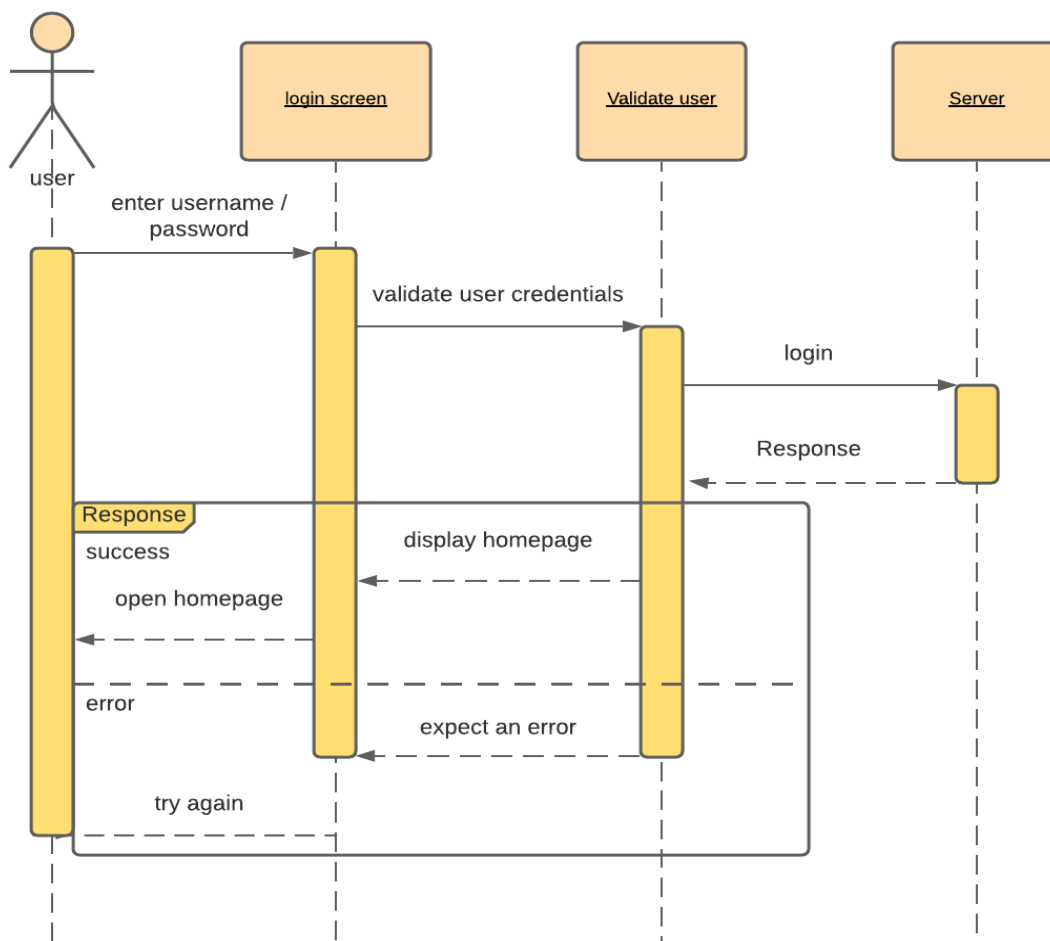
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Class ID	Class Name	Subsystem ID	Description & Responsibility
001	User	None	Set up profile and take the data of the user
002	Member	6.7	View list of trainers and Enroll in chosen package
003	Admin	3	Manage the system
004	Trainer	None	Take attendance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

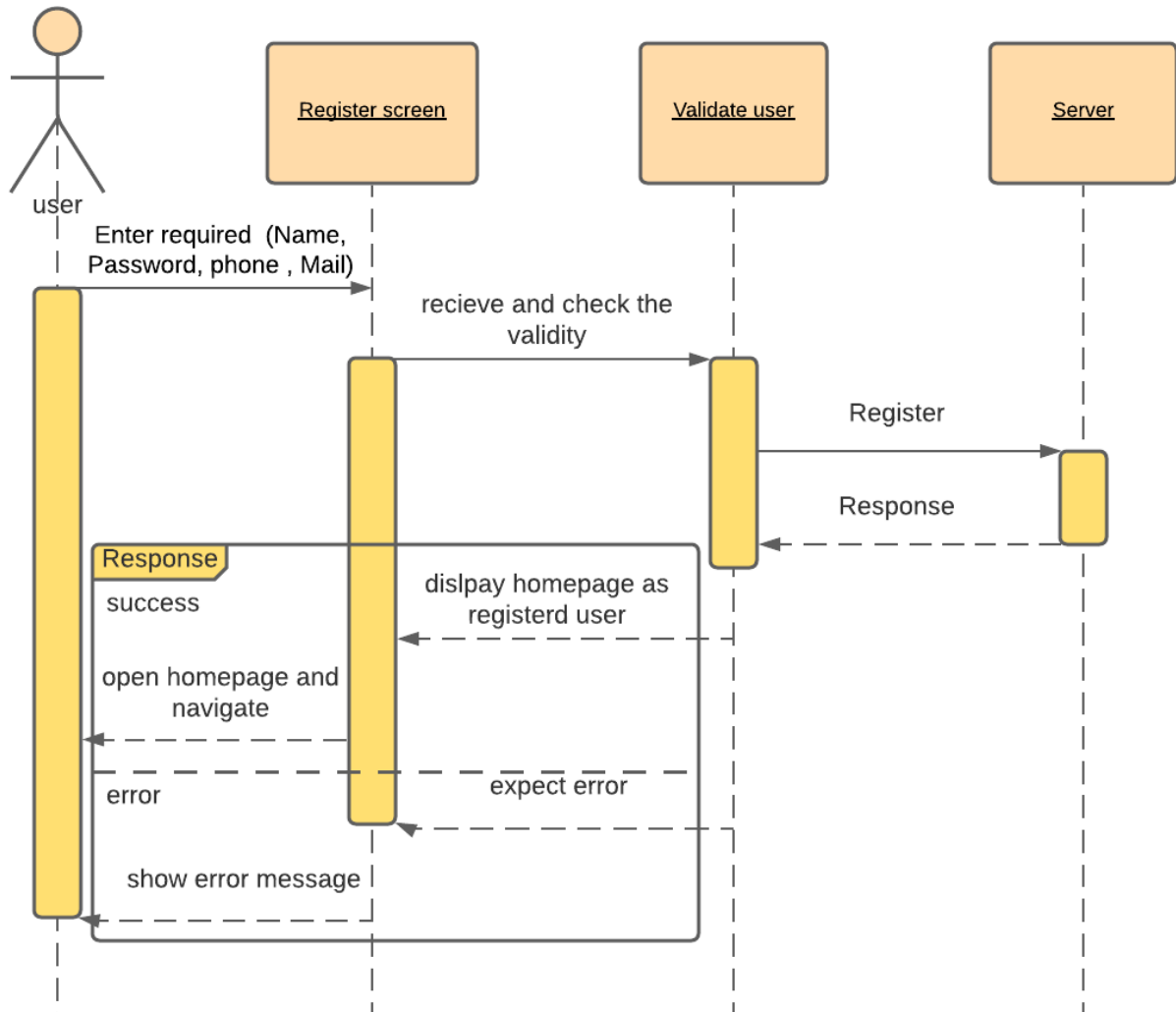
I. Sequence diagrams

1.Login :



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2.register:

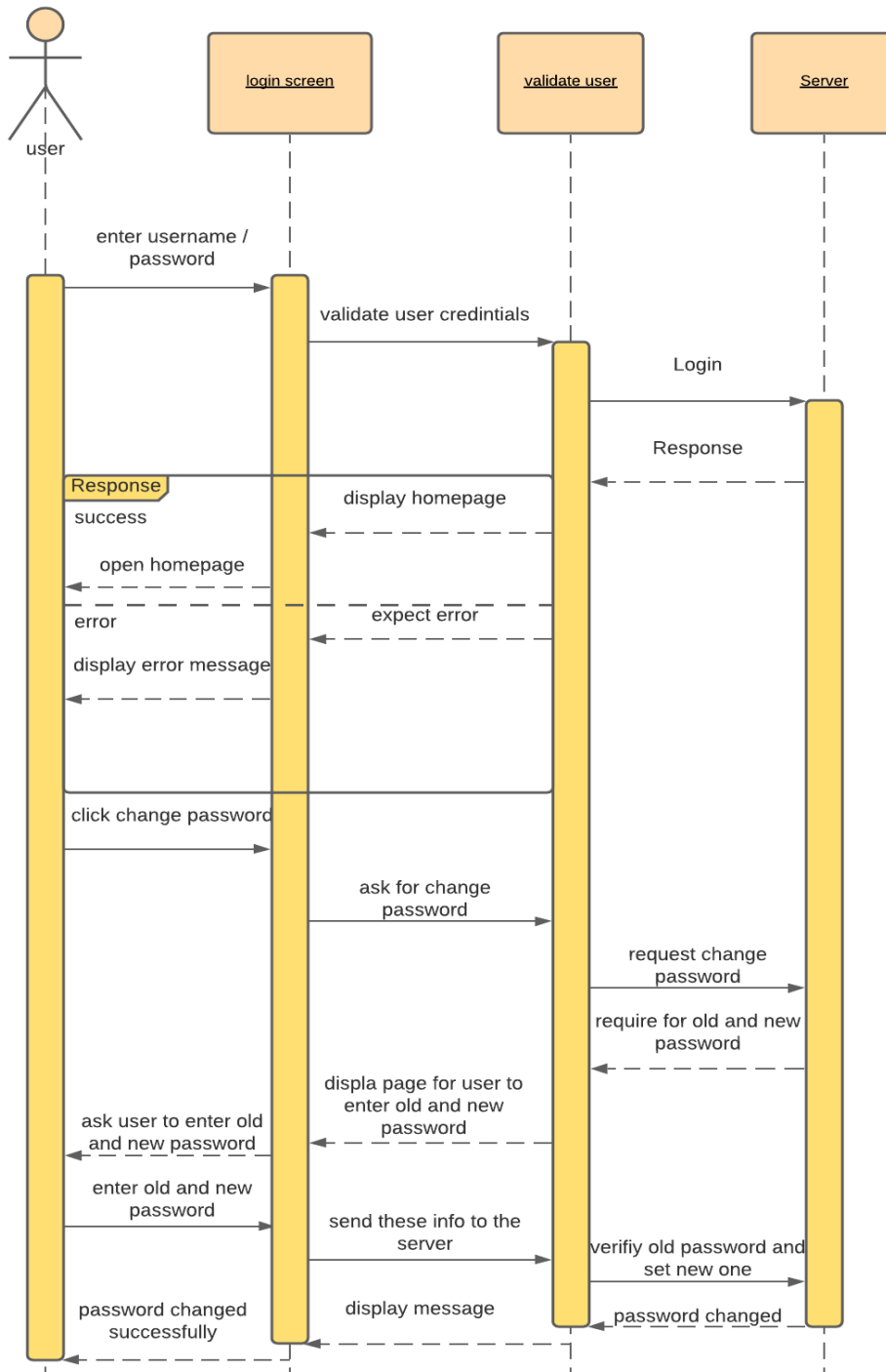


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3. change password:

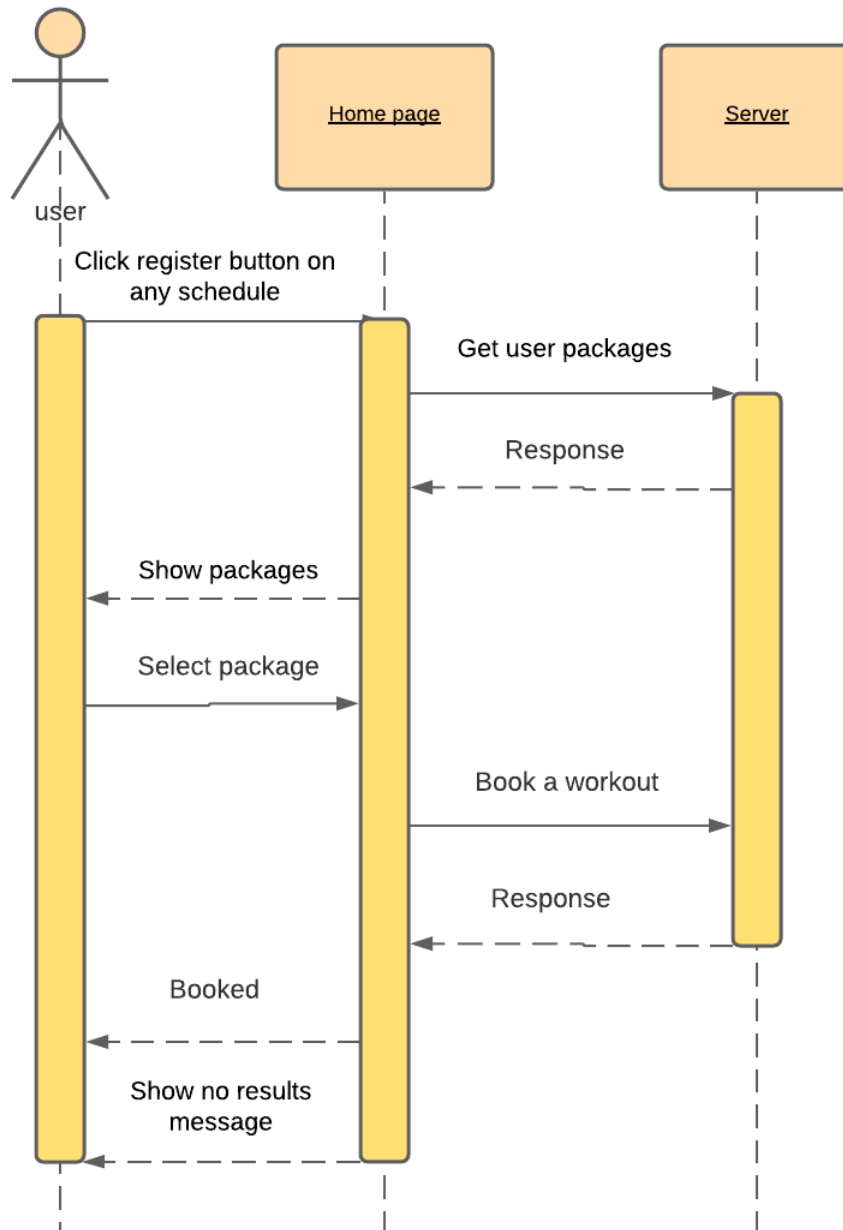


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4. book workout:

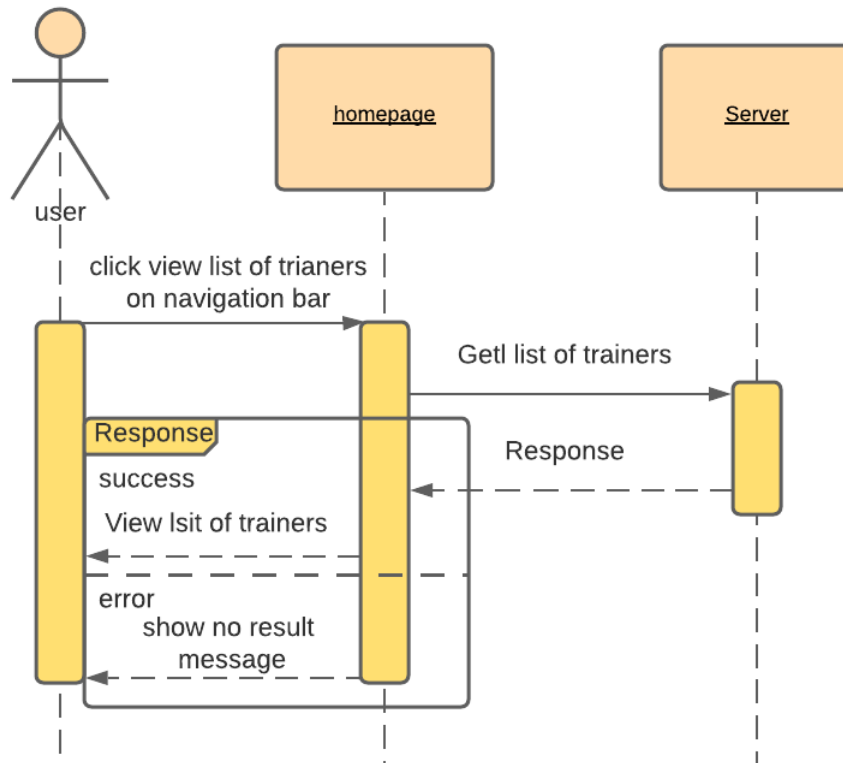


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5.view list of trainers:

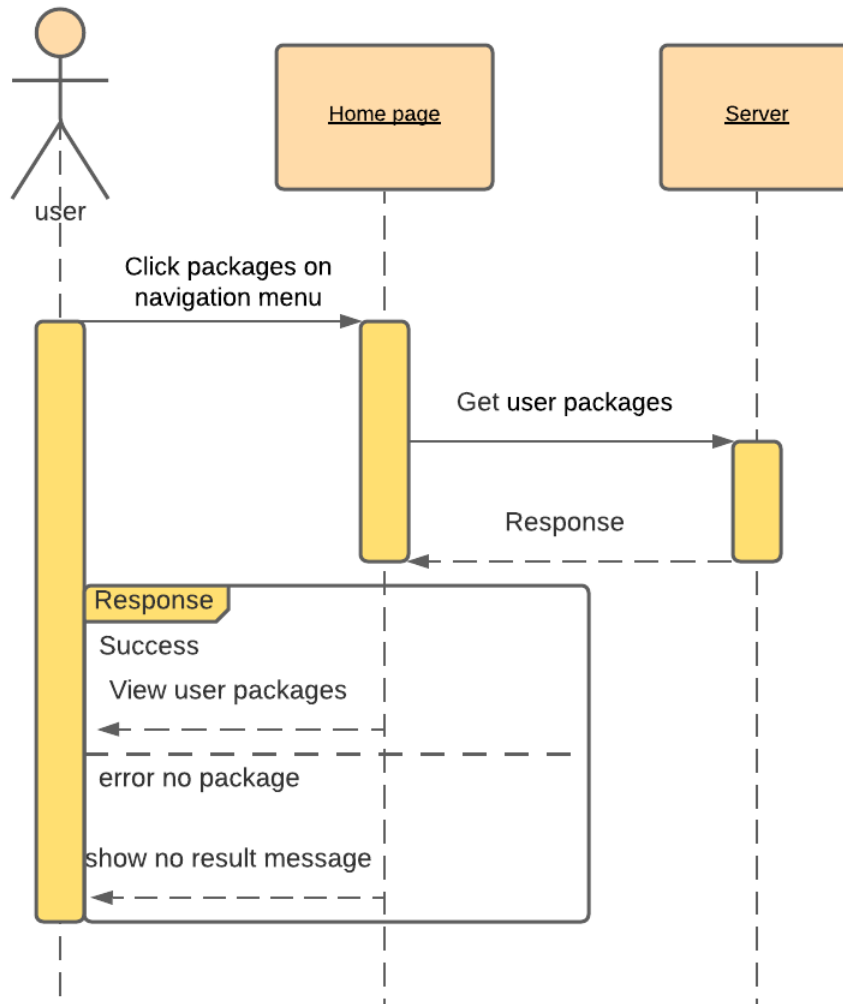


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6. view packages:



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Class - Sequence Usage Table

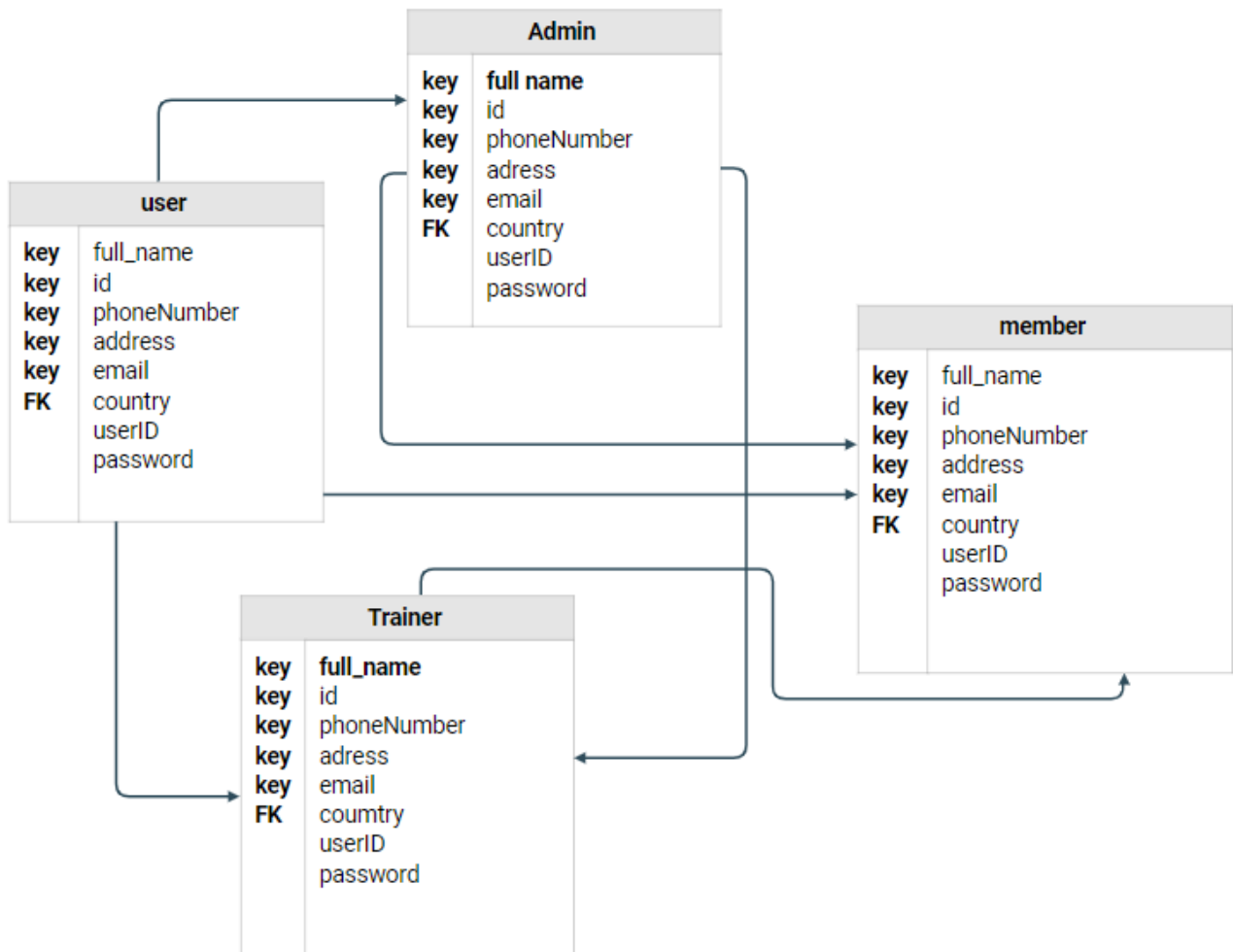
Class Name	Sequence Diagrams	Overall used methods
User	1	Verifylogin()
Admin	2	Verifylogin() , Managepackage()
Admin	3	Verifylogin() , ManagememberDetails() ,ViewAttendance()
Member	4	Verifylogin() , Viewprofile() , Setprofile()
Member	5	Verifylogin() , GiveFeedback()
Trainer	6	Verifylogin() , TakeAttendance()

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III. Physical Entity-Relationship Diagram



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IV. User Interface Design

9:41

SIGN UP

Your Name

Your Email

Username

Password

Confirm Password

Register

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The image shows a mobile application login screen for 'FITNESS CLUB'. The background is a dark, moody photo of a woman in a gym. At the top, the status bar shows the time 9:41, signal strength, Wi-Fi, and battery. The app title 'FITNESS CLUB' is centered, with 'FITNESS' in white and 'CLUB' in green. Below the title, the text 'sign in' is in large white font, followed by the tagline 'train and live the new experience of exercising at home'. The login form includes an 'Email' field with the text 'Mustafagad@gmail.com' and a 'Password' field represented by ten white dots. A link 'Forgot you password?' is to the right of the password field. At the bottom, there are two buttons: a solid green 'Login' button and a white 'Sign up' button with a green border. A link 'Change language' is at the very bottom in green text.

9:41

FITNESS CLUB

sign in

train and live the new experience of exercising at home

Email

Mustafagad@gmail.com

Password

• • • • • • • • • •

Forgot you password?

Login

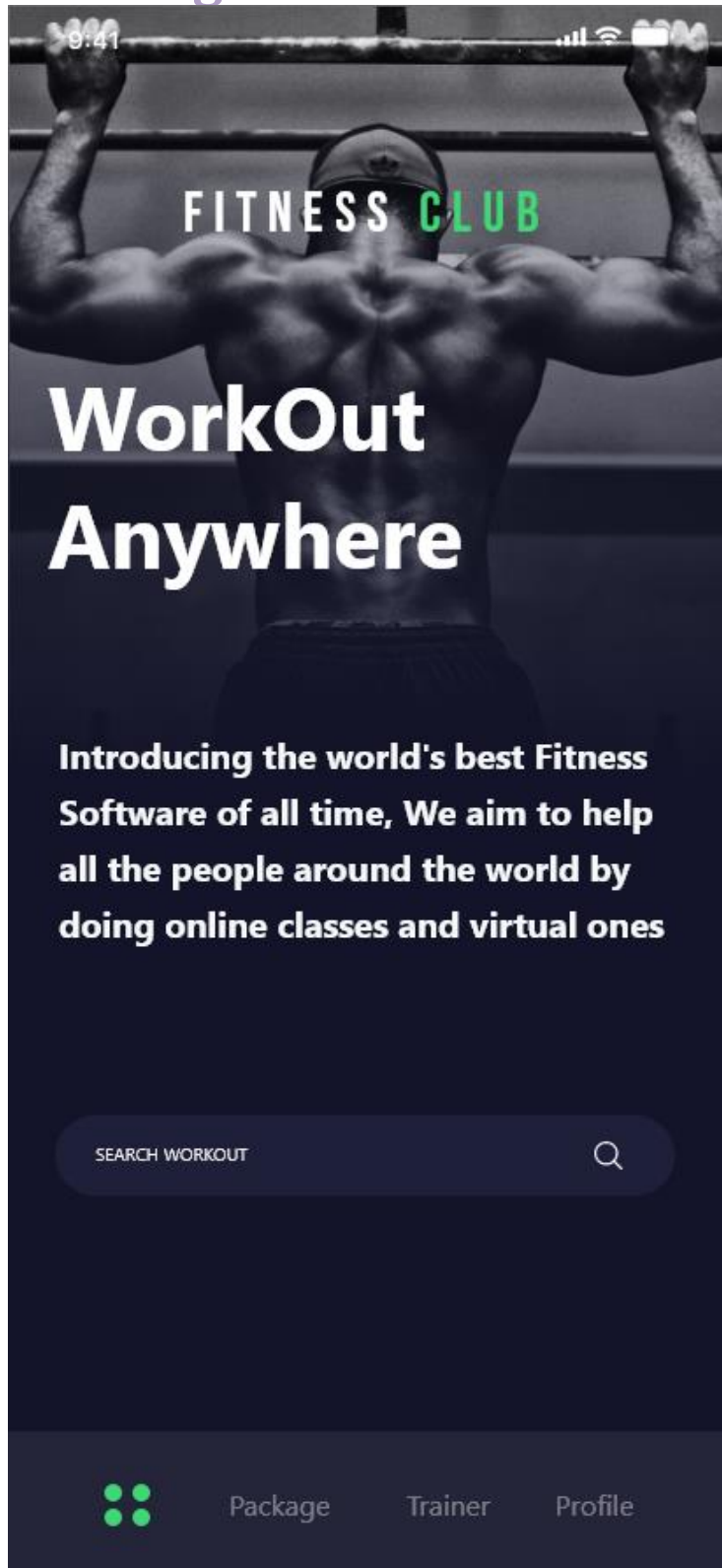
Sign up

Change language

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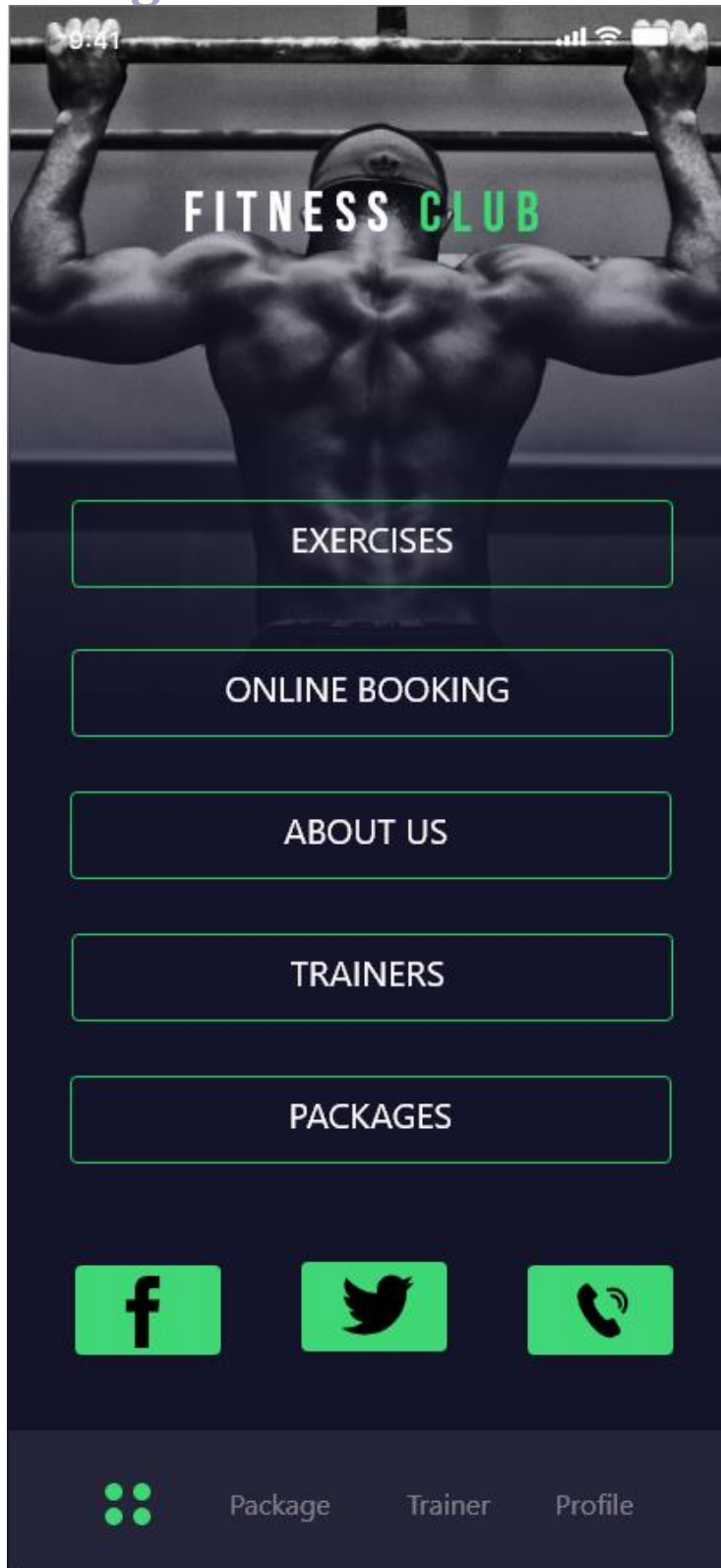
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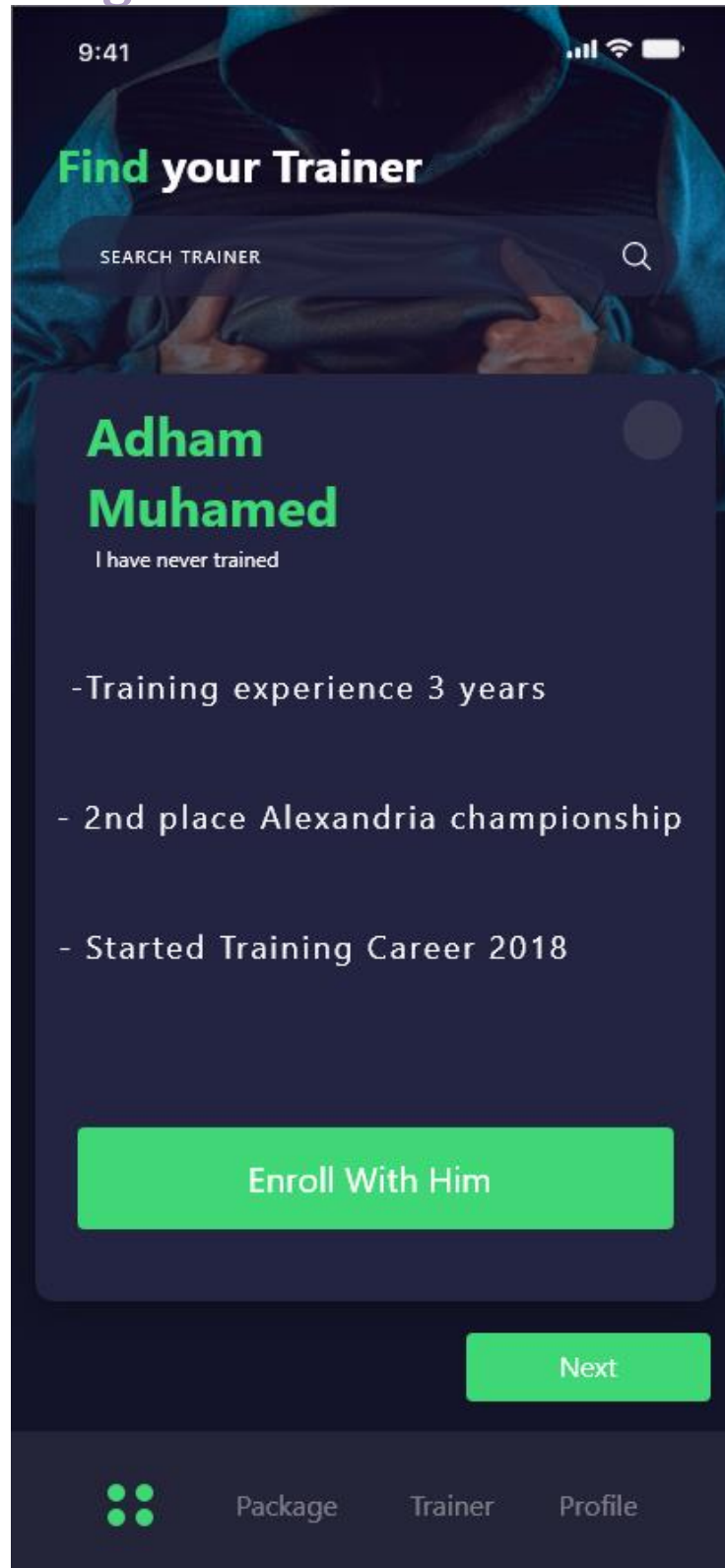
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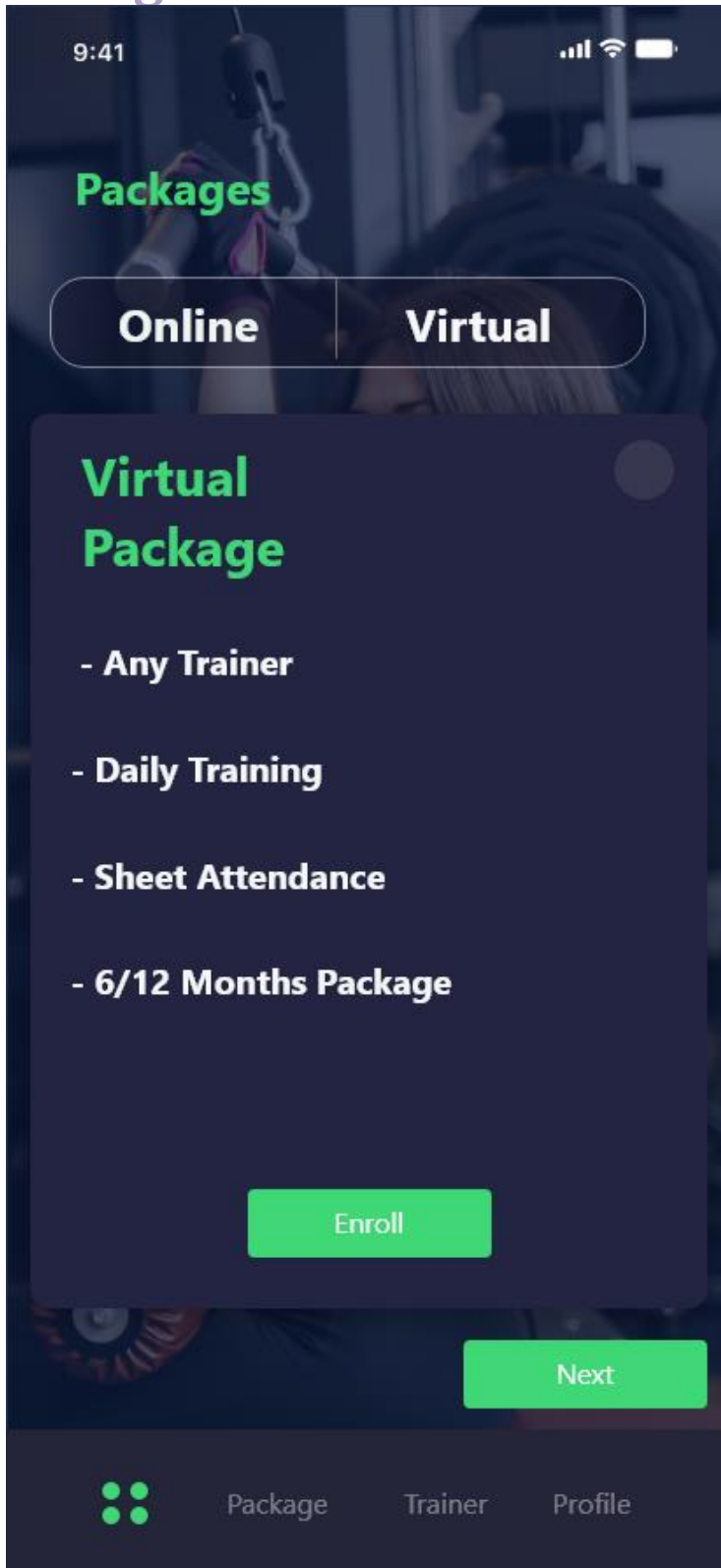
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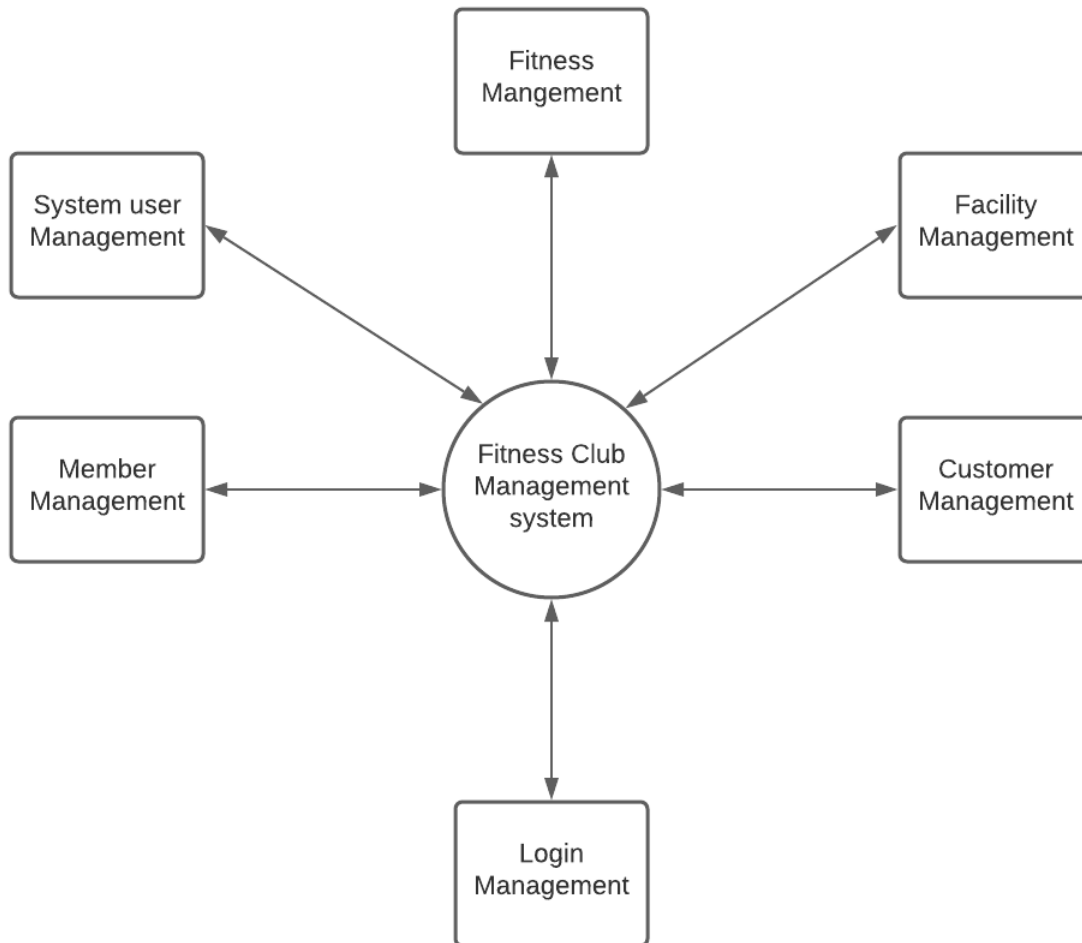
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V. Dataflow diagram (DFD)

Zero level diagram:

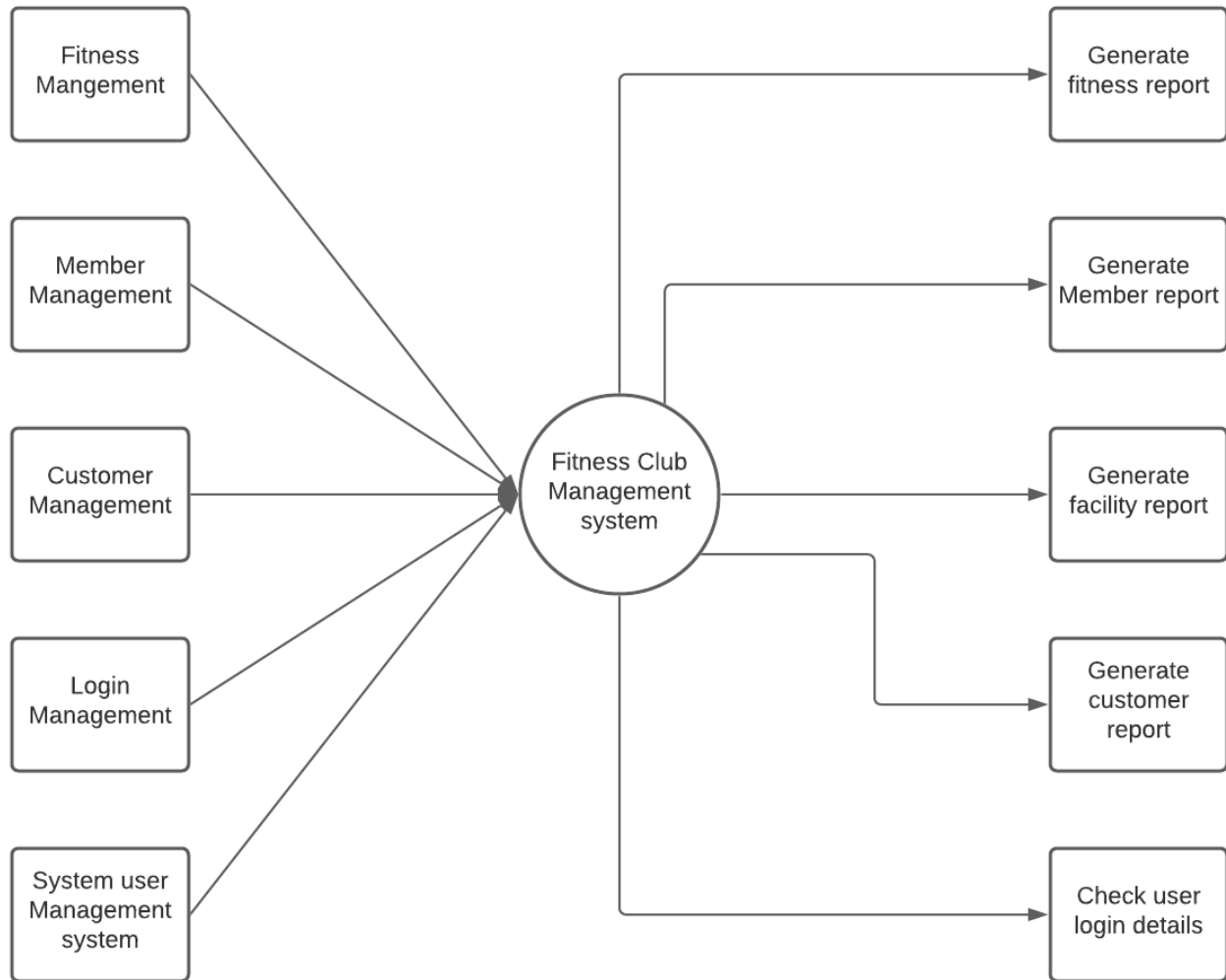


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One level diagram :

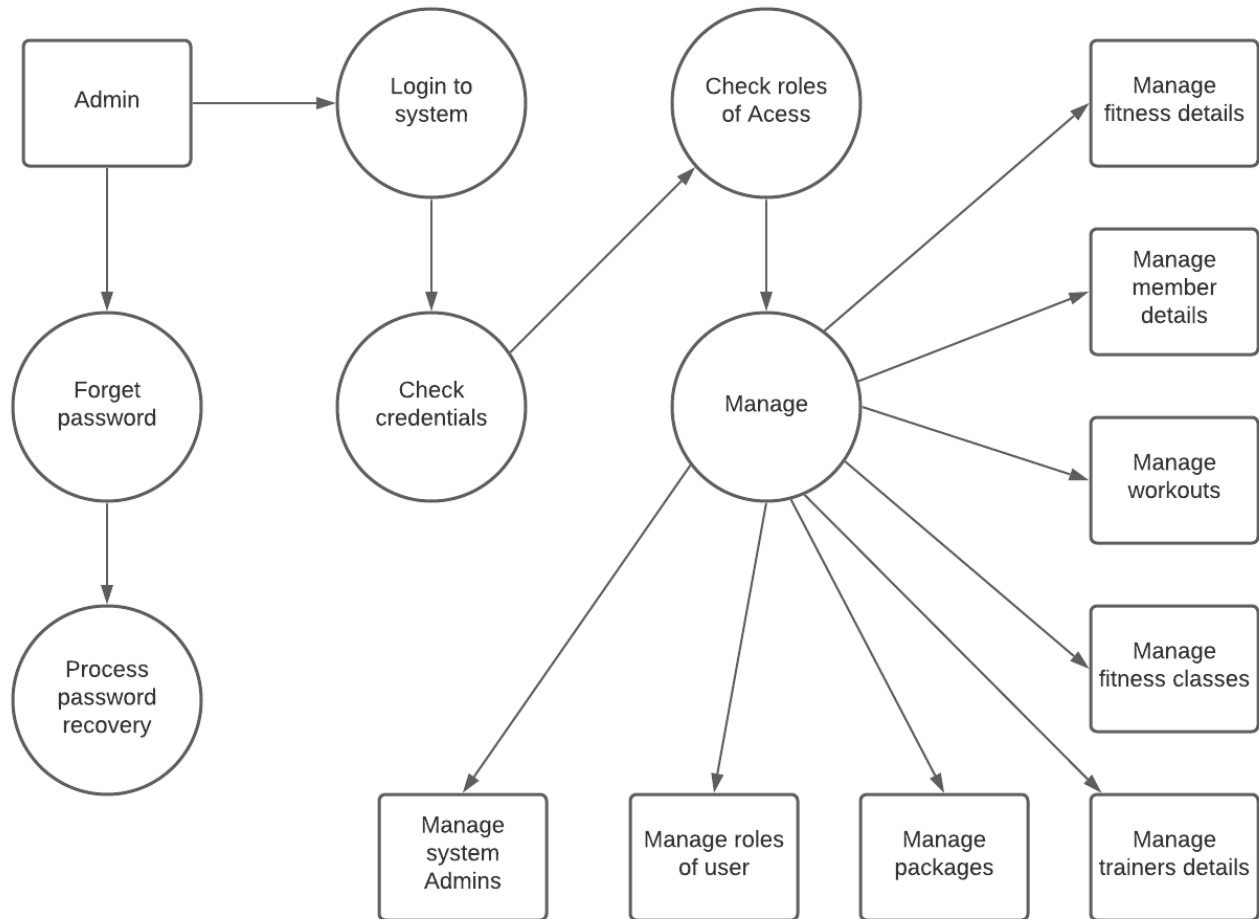


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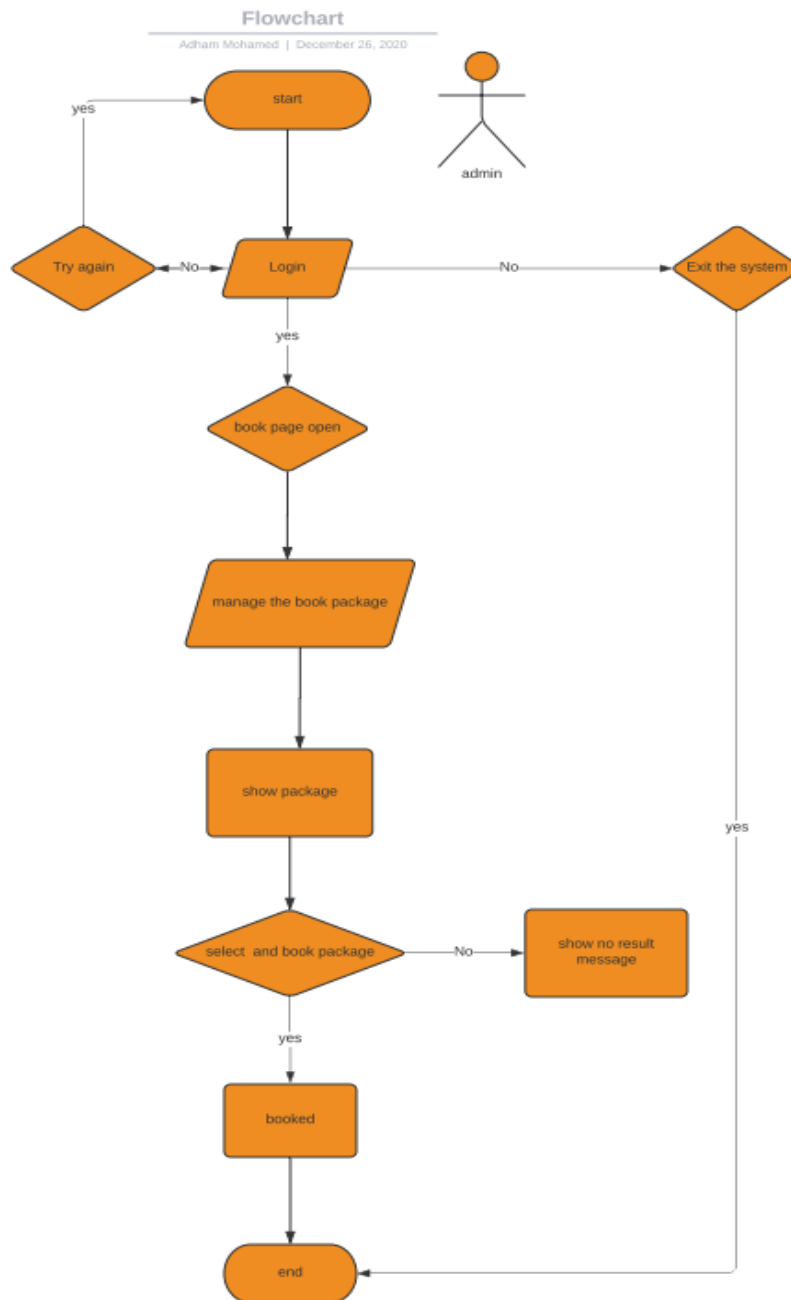
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Two level diagram :



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VI. Algorithms and Data Structures

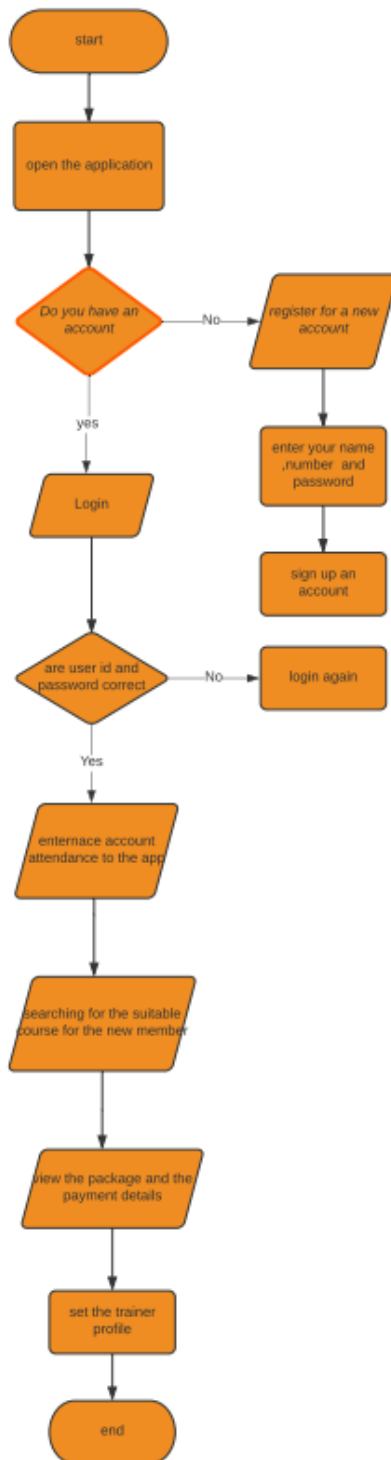


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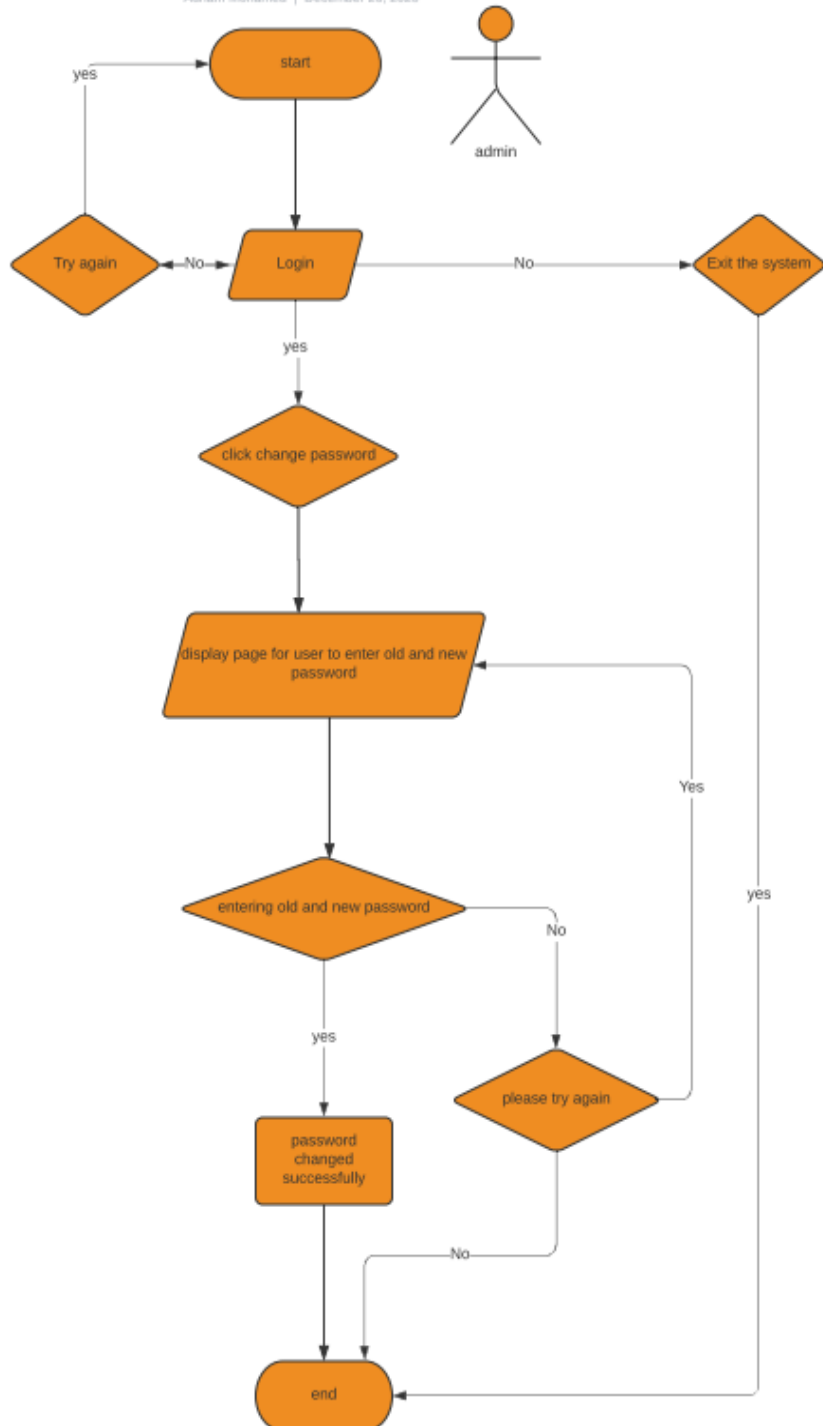
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Flowchart
Adham Mohamed | December 26, 2020



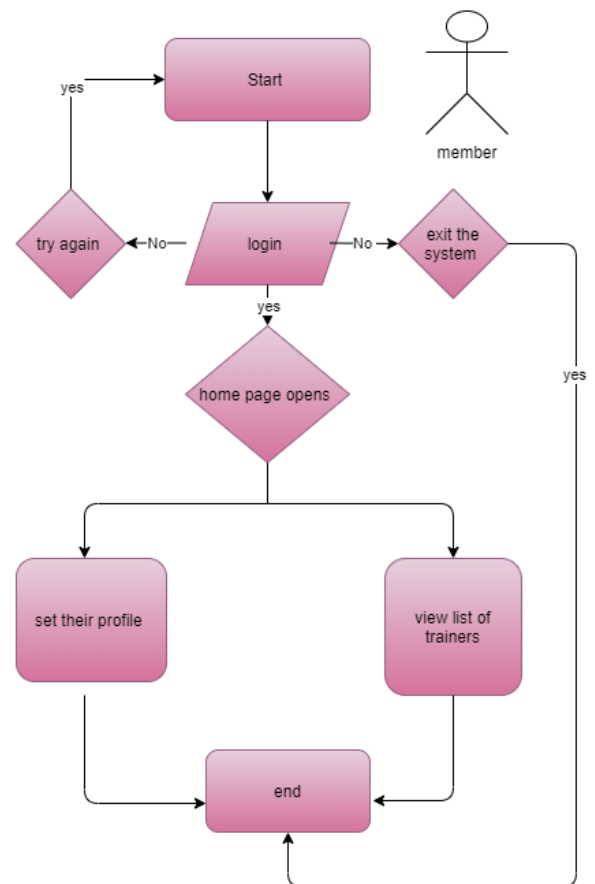
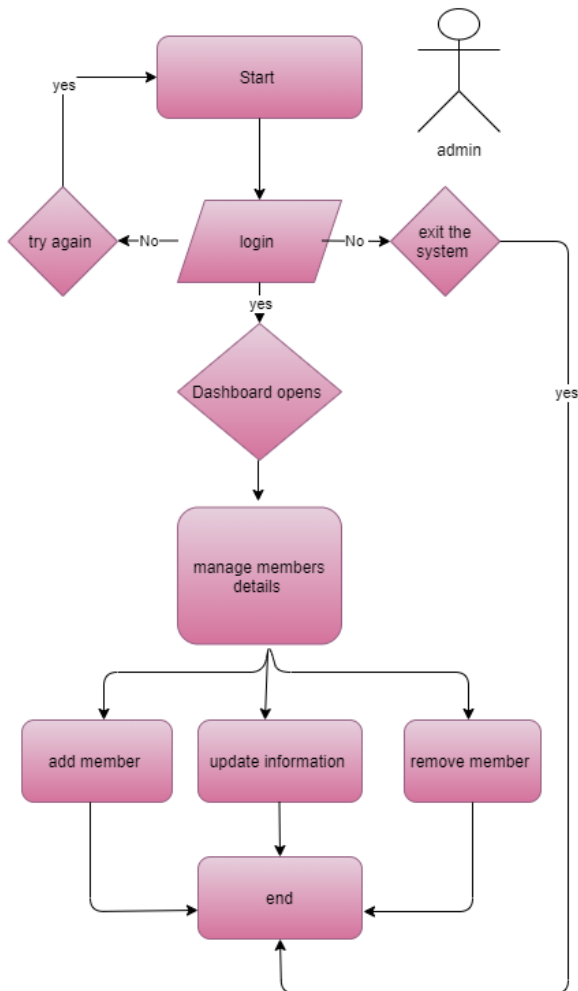
Flowchart
Adham Mohamed | December 26, 2020



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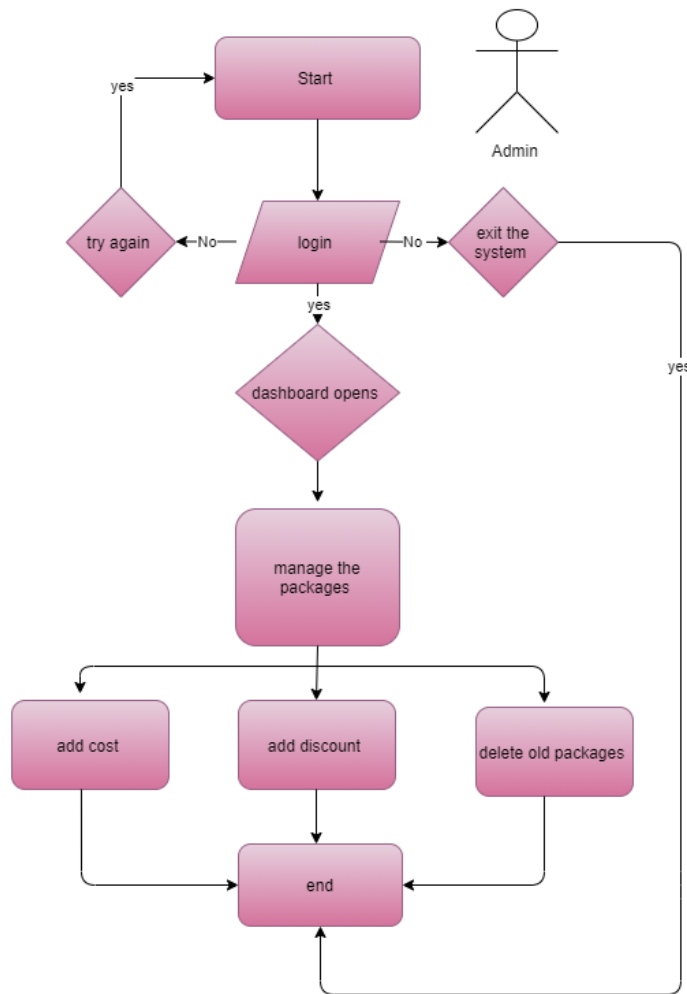
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Ownership Report

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.