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>

جامعة الإسكندرية
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Phase 2
Project: <Project Name>

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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

Phase 2
Project: <Project Name>

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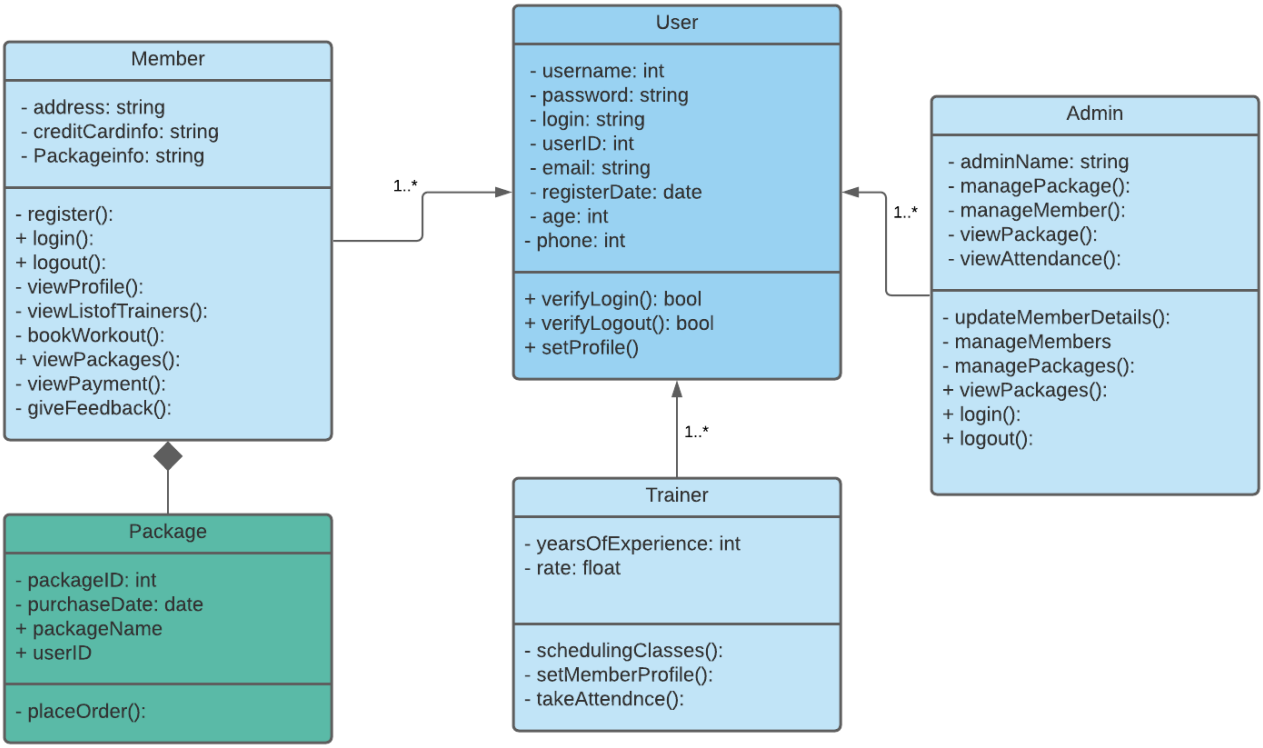
System Models

I. Class diagrams



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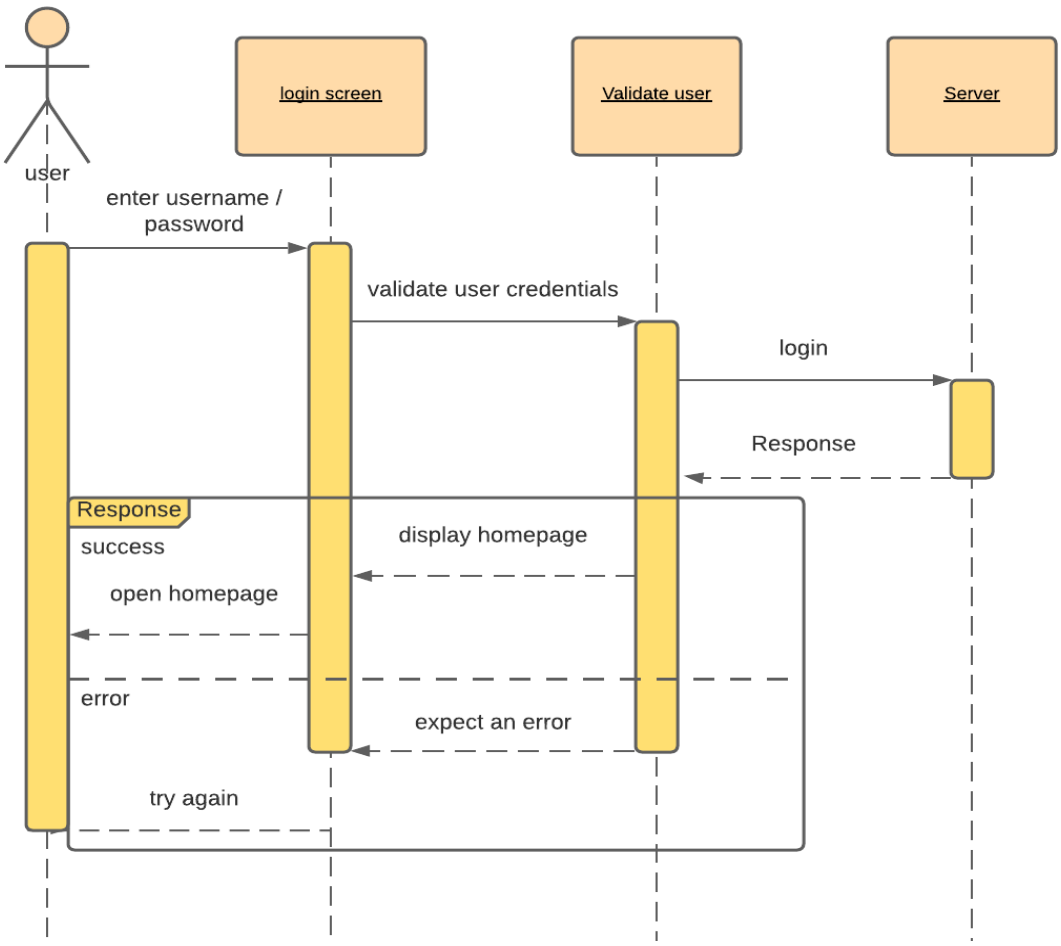
Class ID	Class Name	Subsystem ID	Description & Responsibility
001	User	None	Set up profile and take the data of the user
002	Member	6.7	View list of trainers and Enroll in chosen package
003	Admin	3	Manage the system
004	Trainer	None	Take attendance and years of experiences
005	Package	7	Placing order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

I. Sequence diagrams

1.Login :



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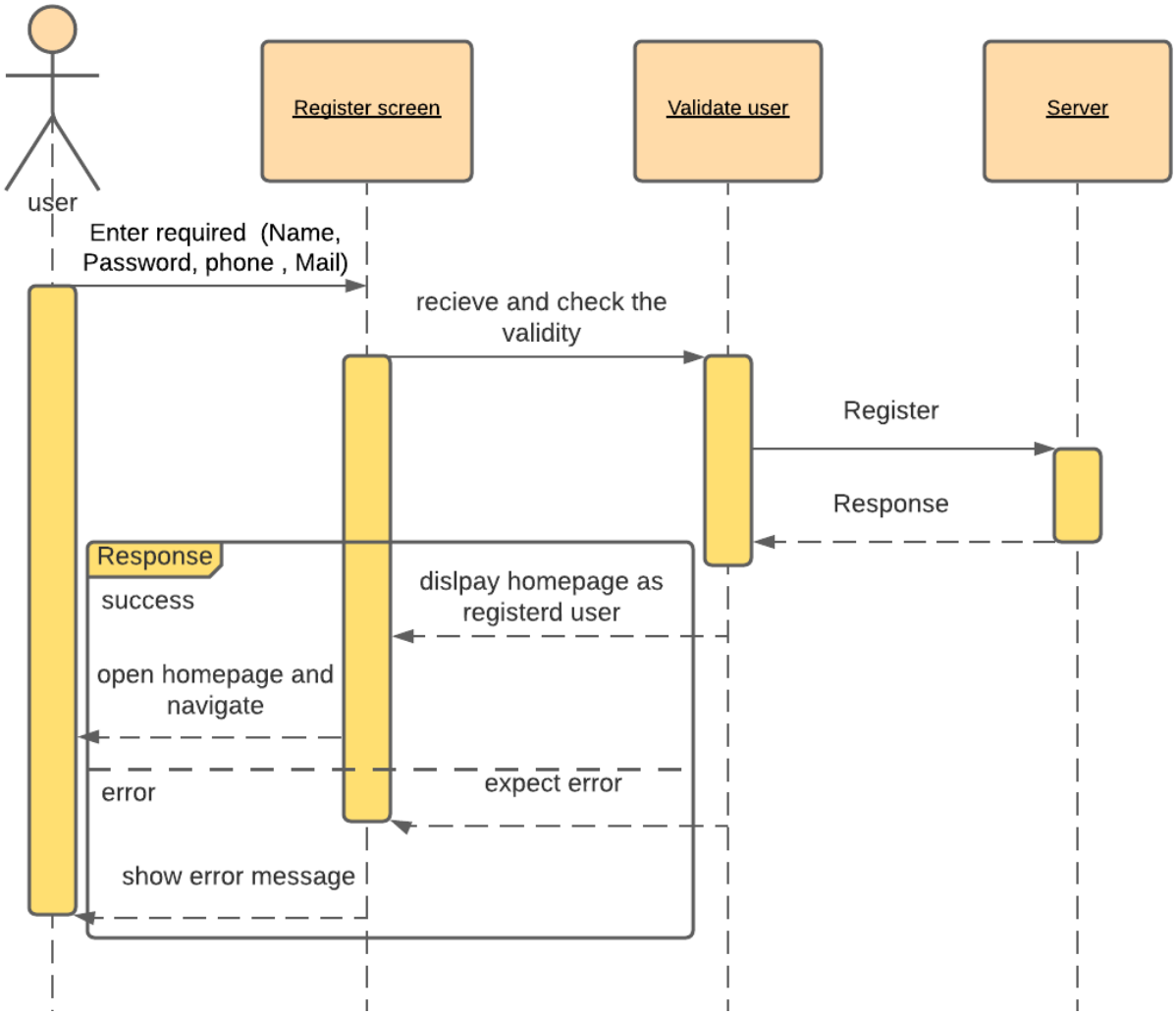
2.register:



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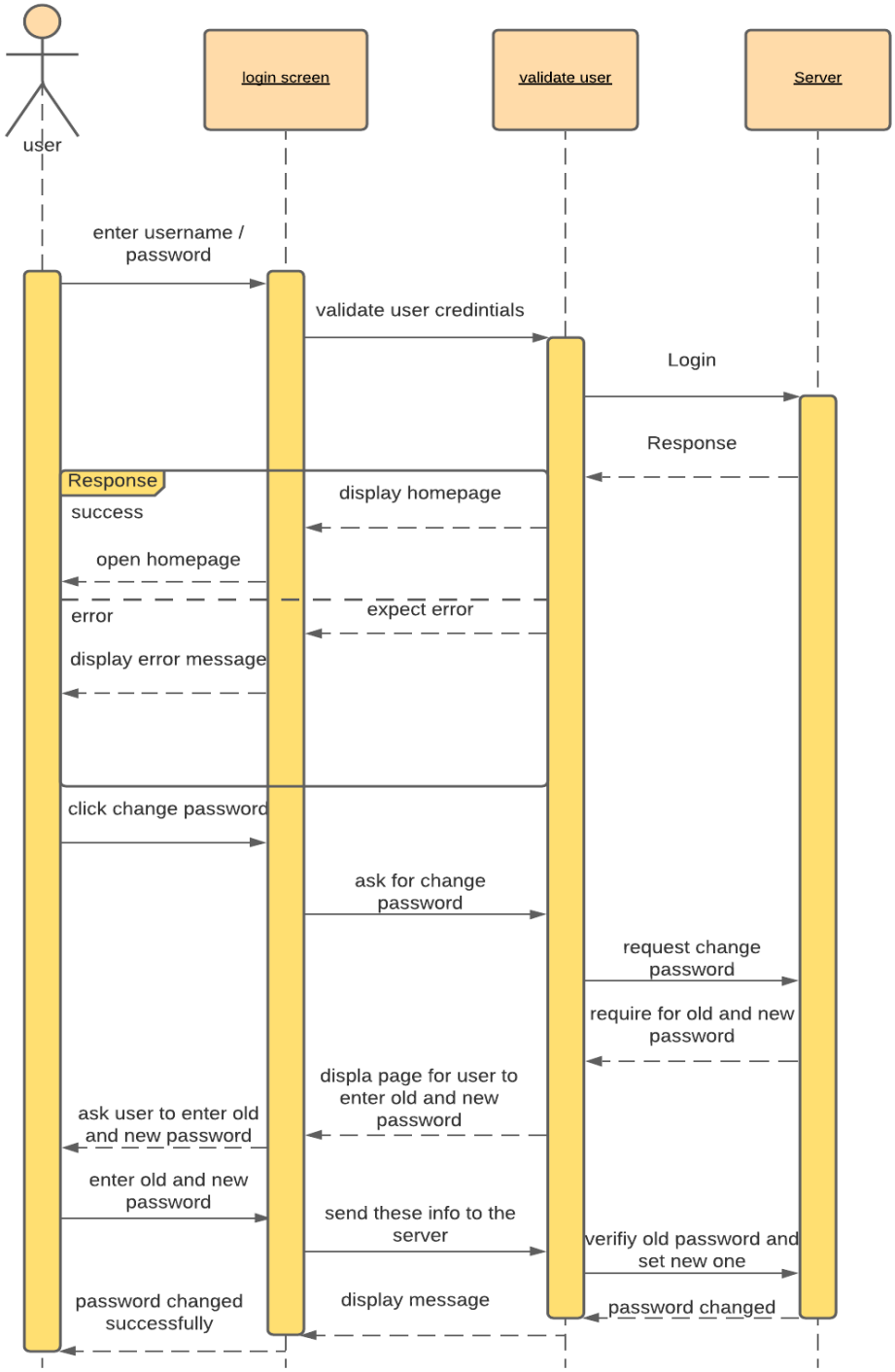
3. change password:



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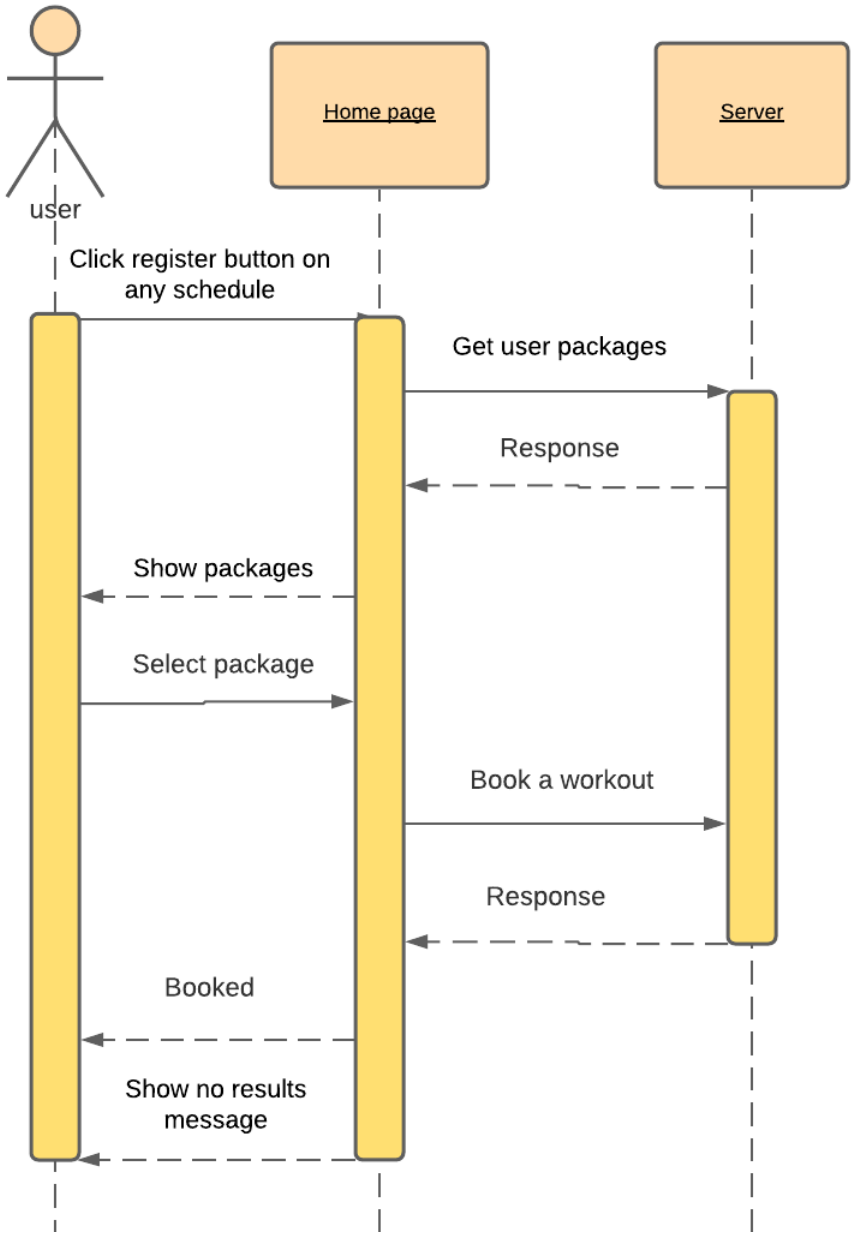
4. book workout:



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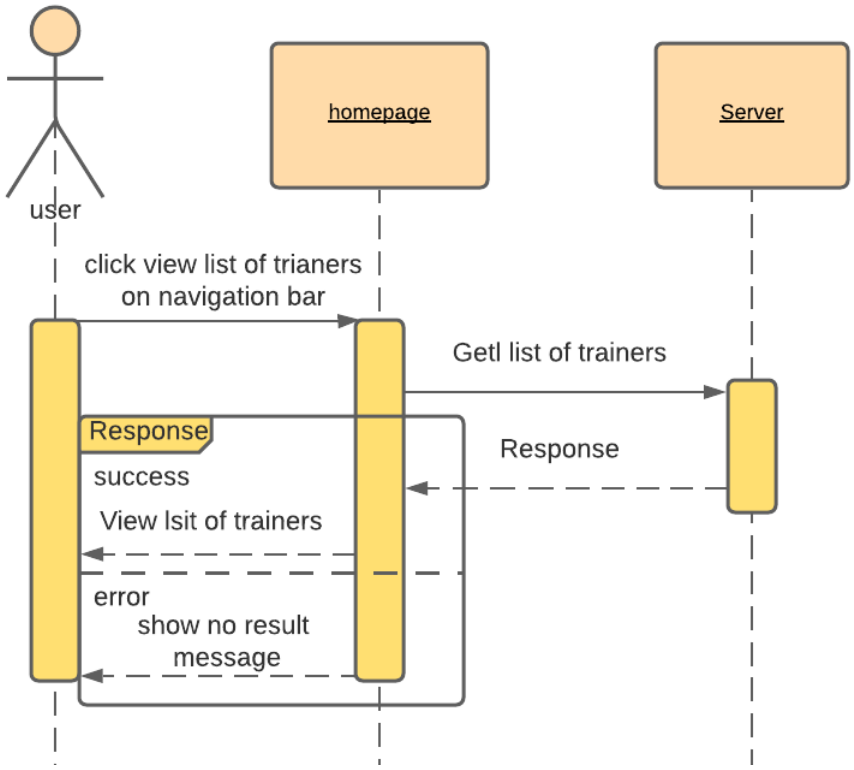
5.view list of trainers:



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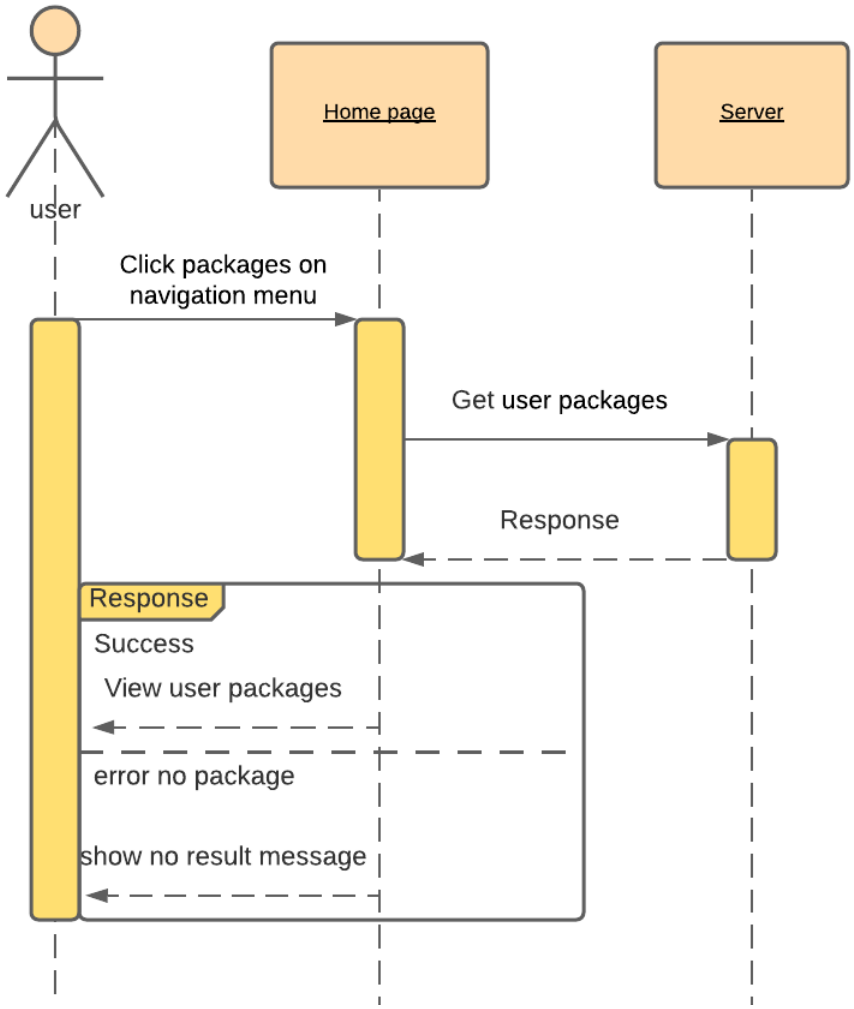
6. view packages:



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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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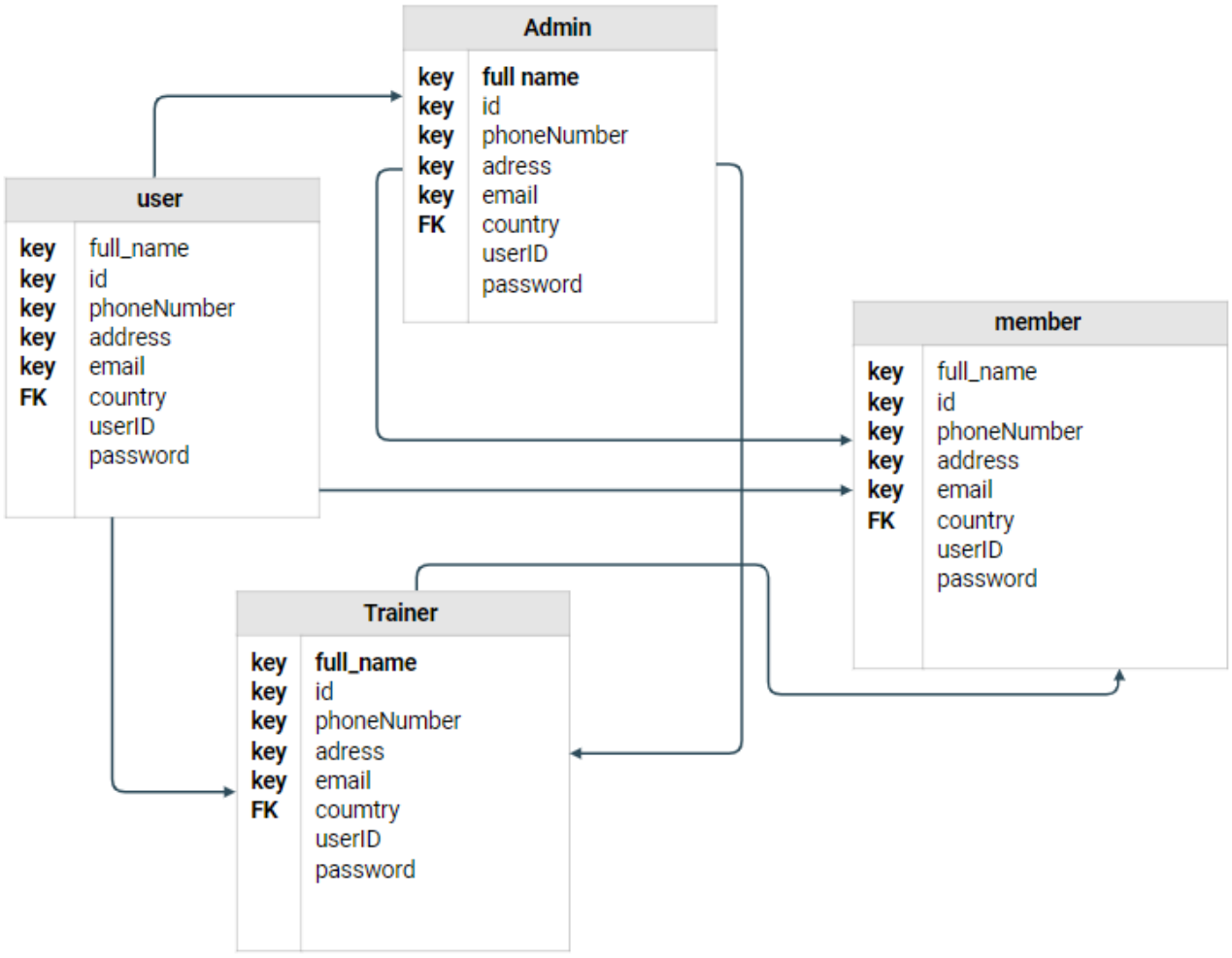
III. Physical Entity-Relationship Diagram



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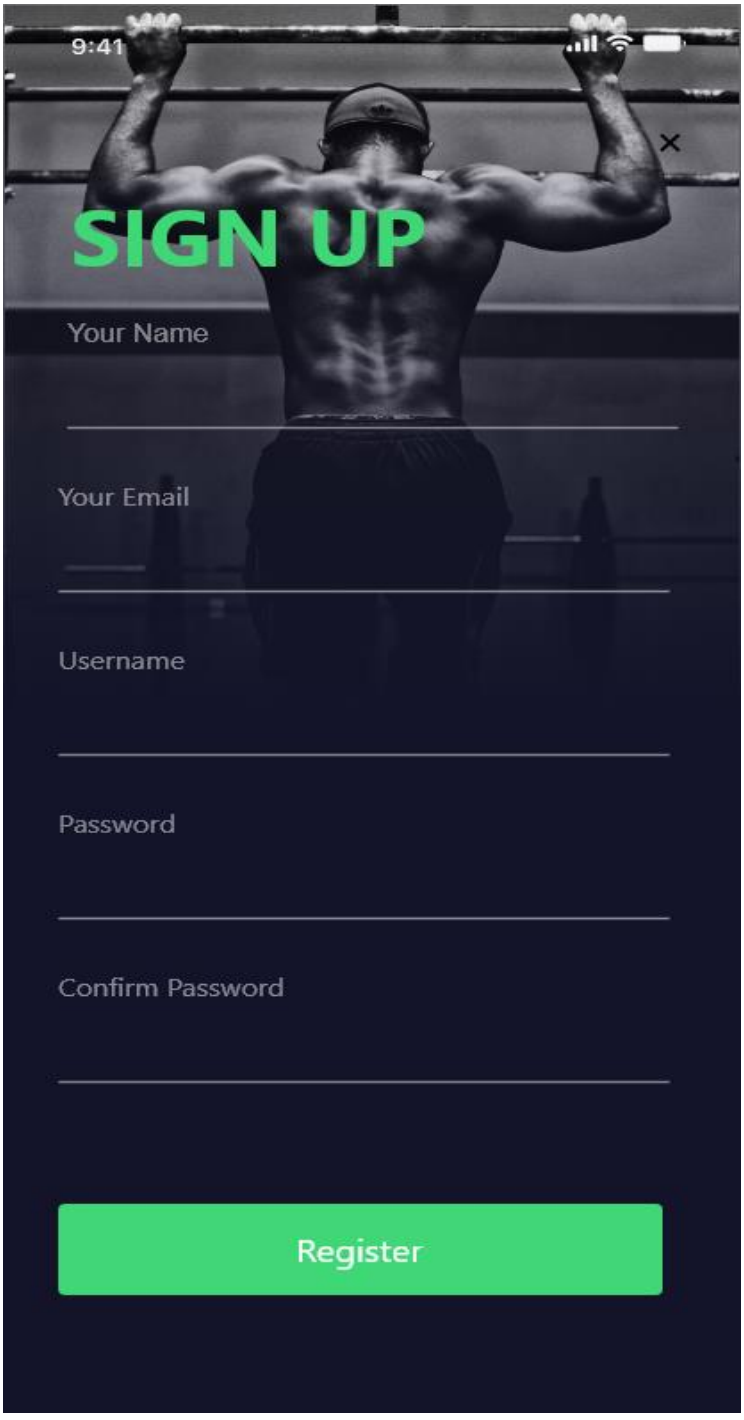
IV. User Interface Design



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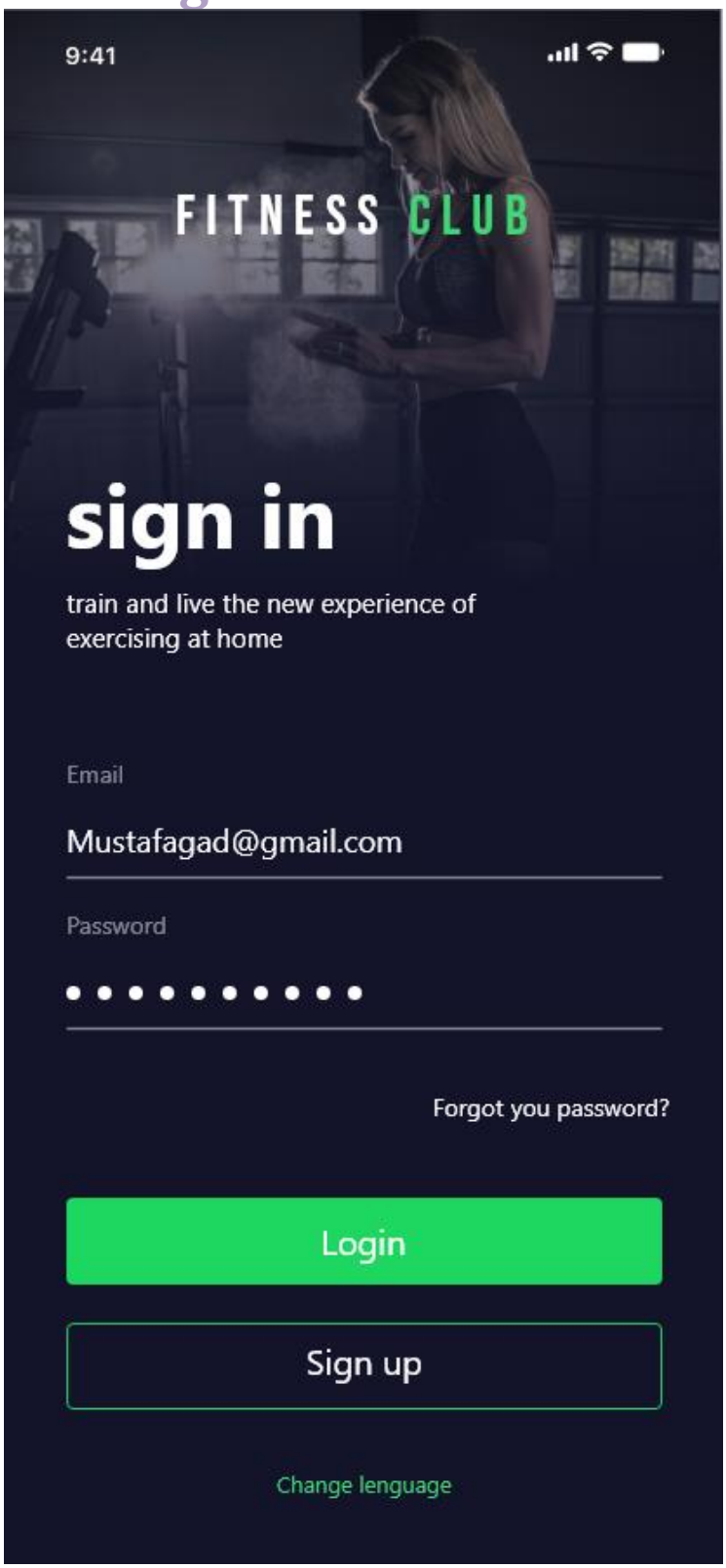

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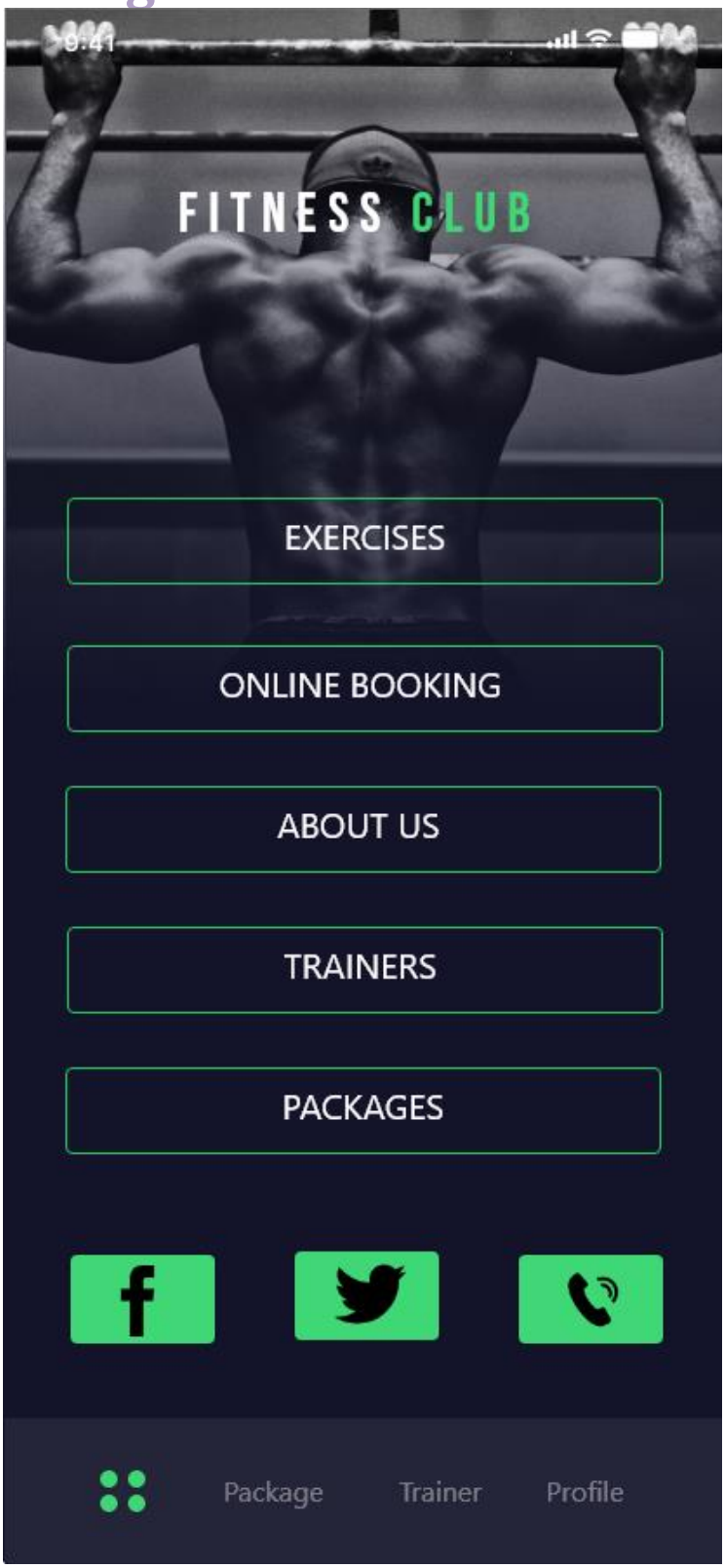

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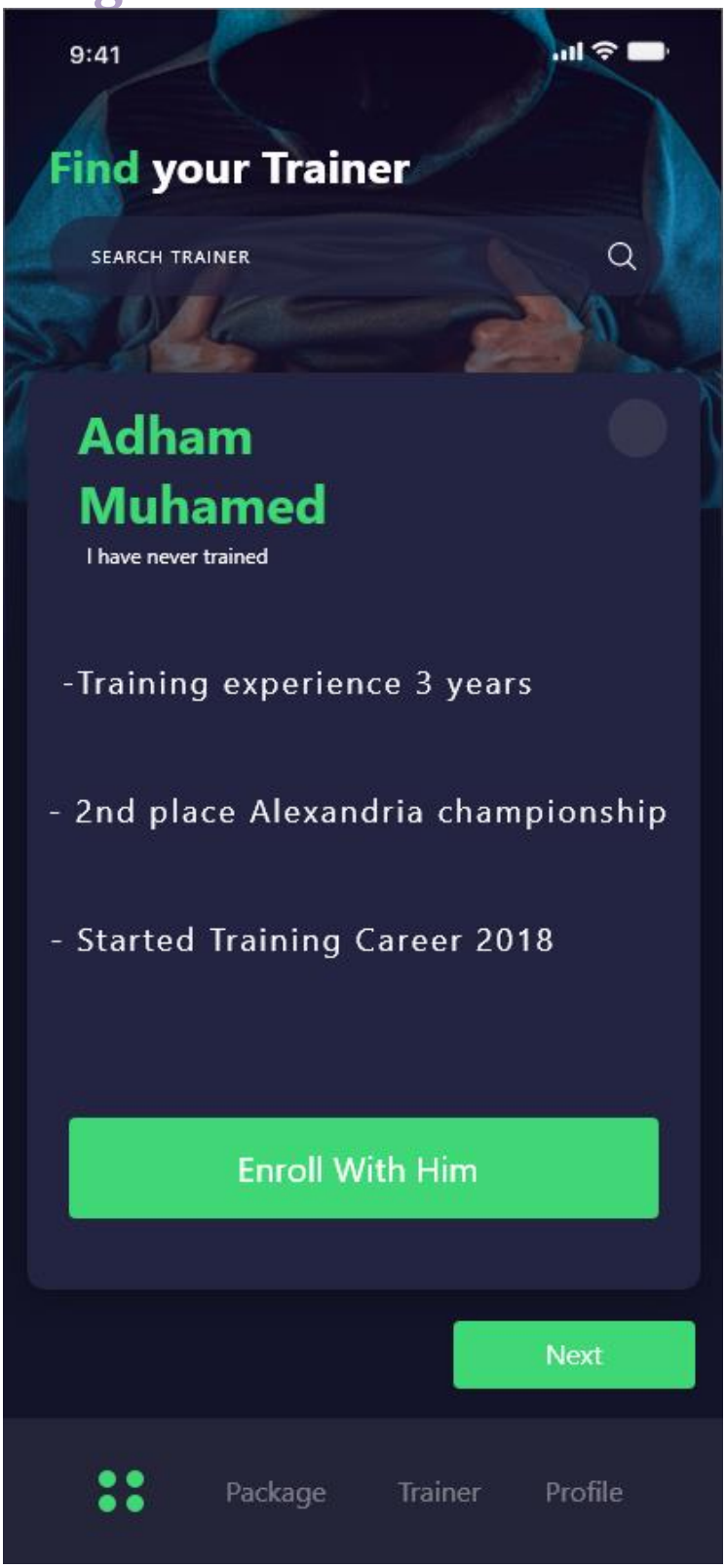

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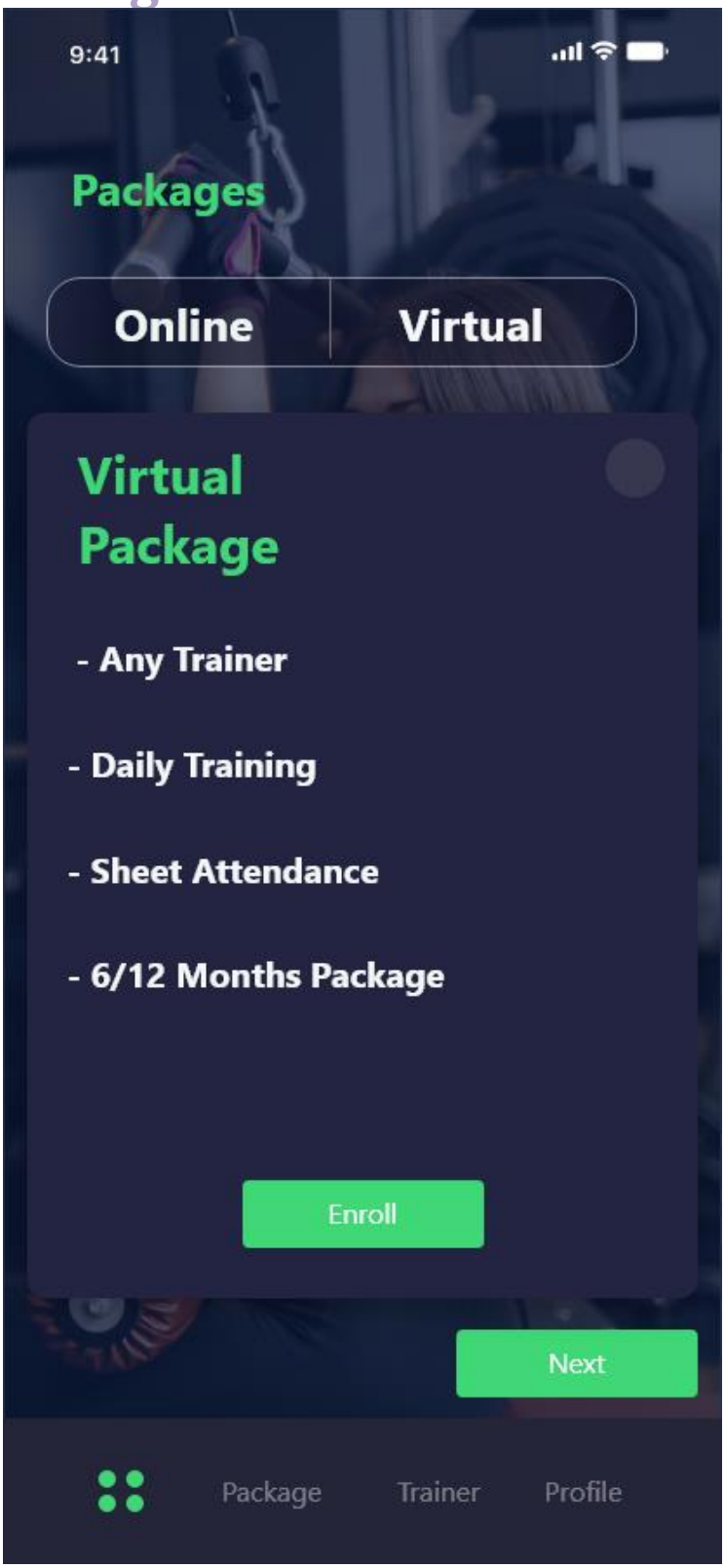

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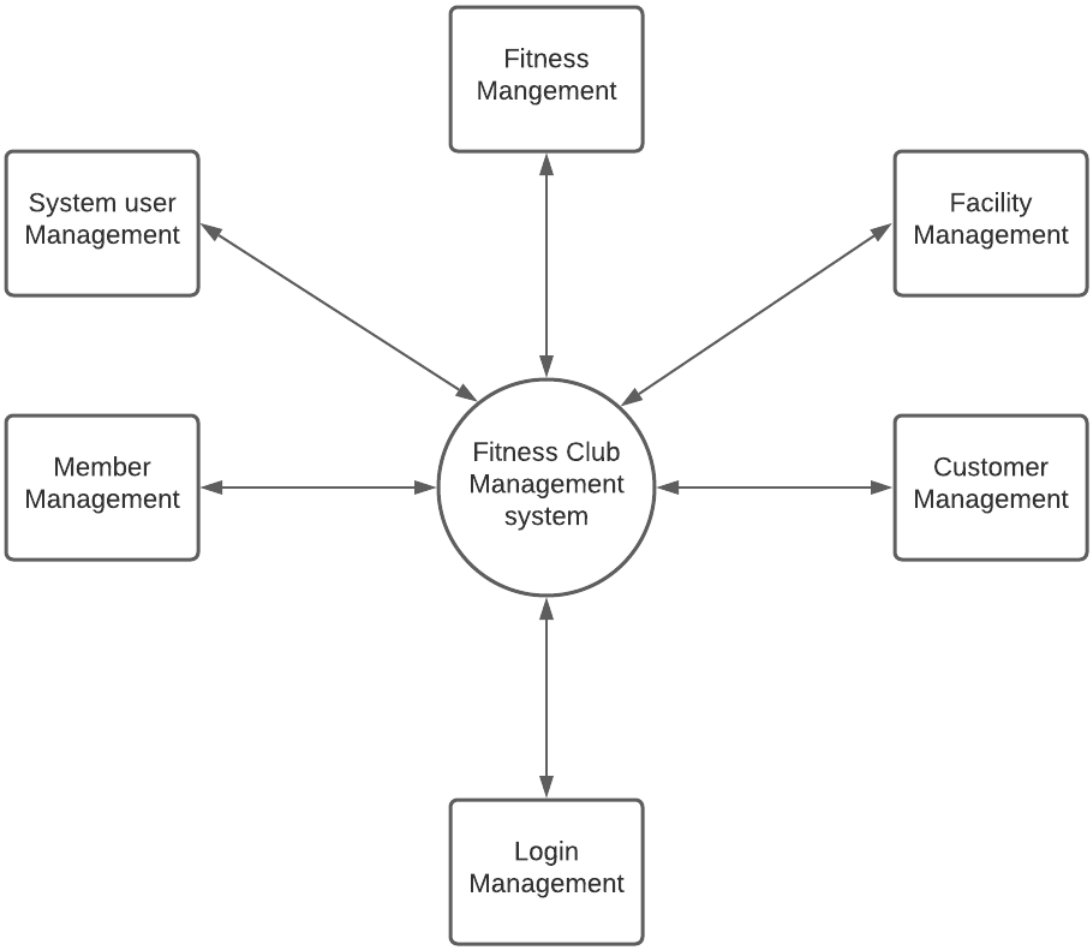
V. Dataflow diagram (DFD)

Zero level diagram:



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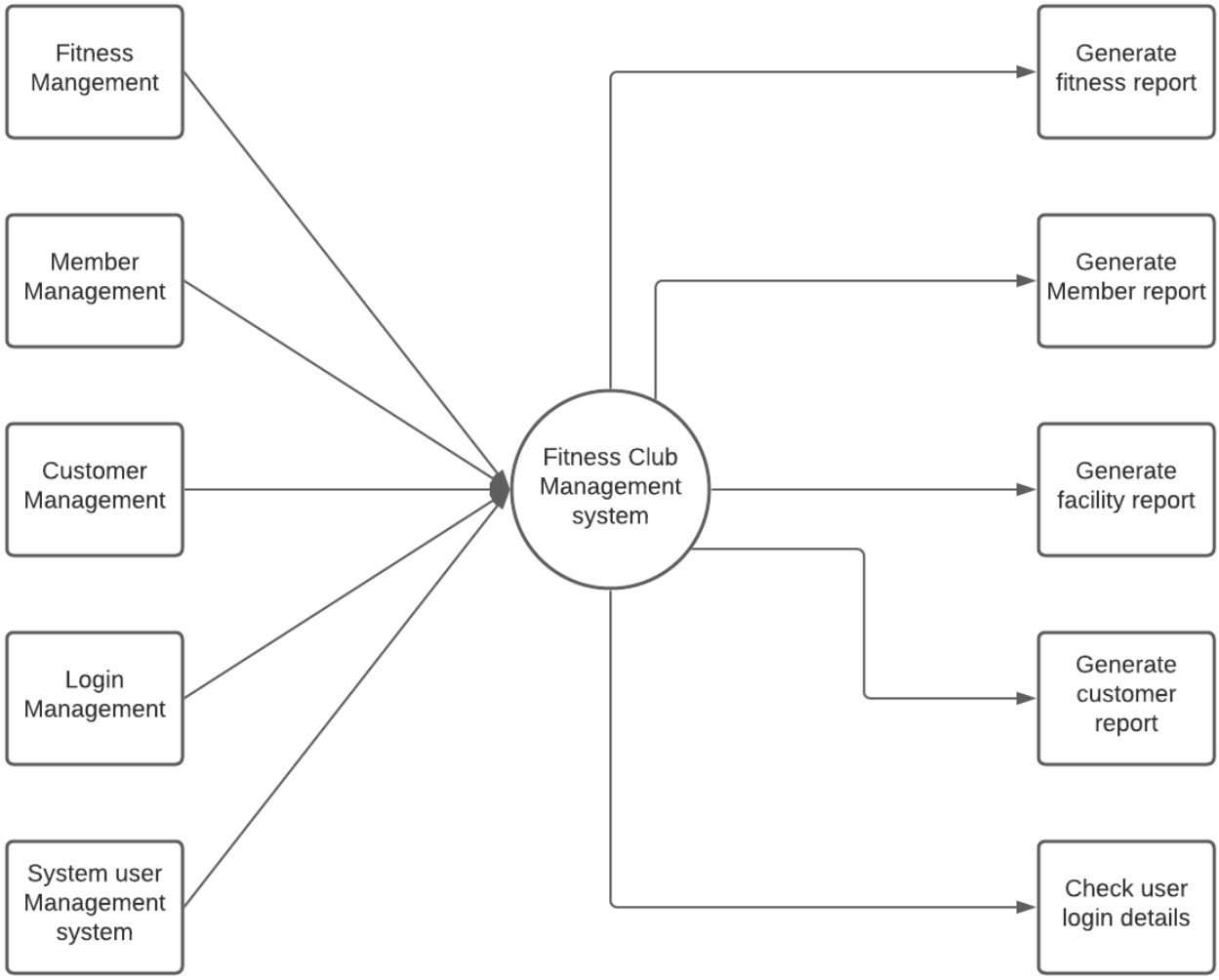
One level diagram :



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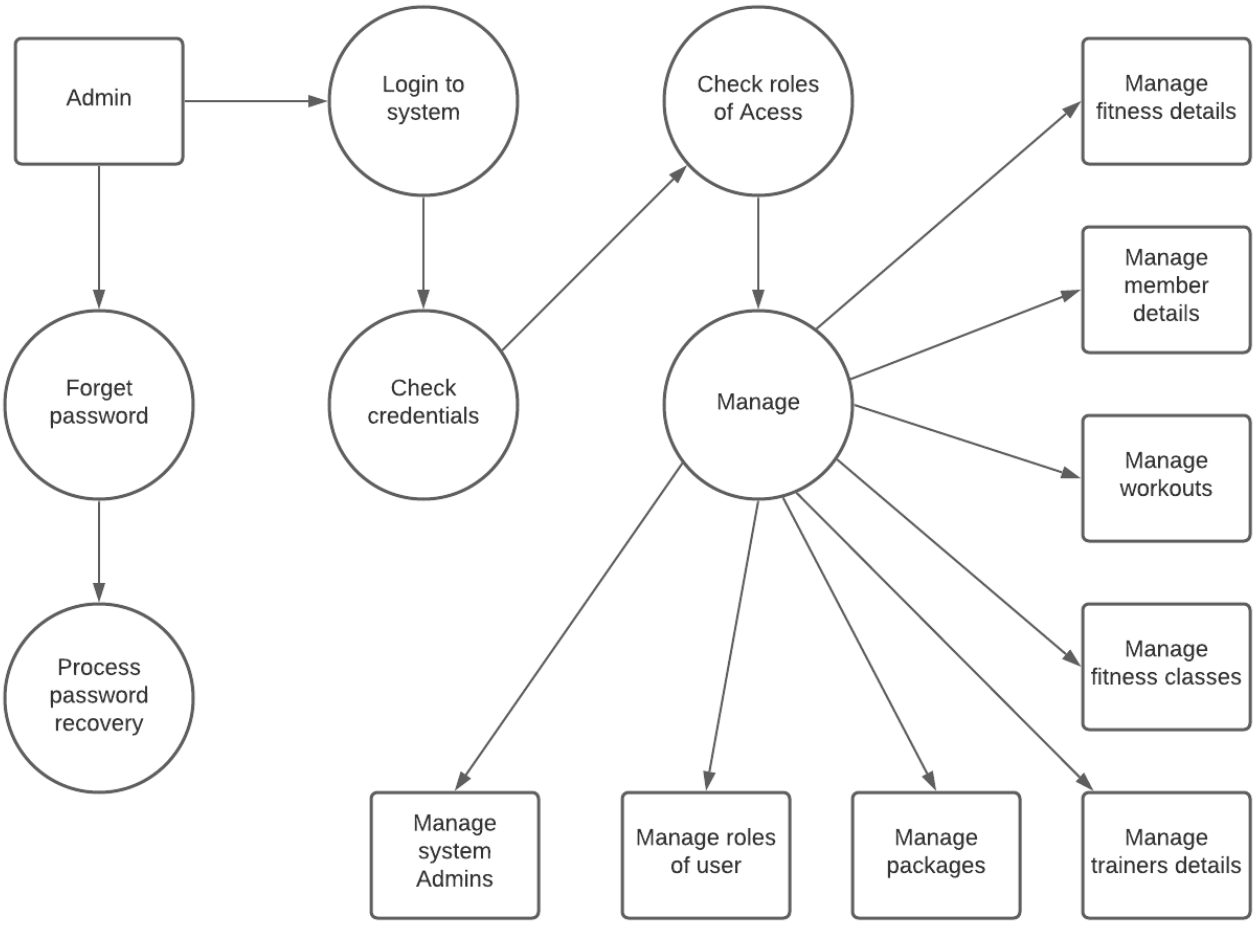
Two level diagram :



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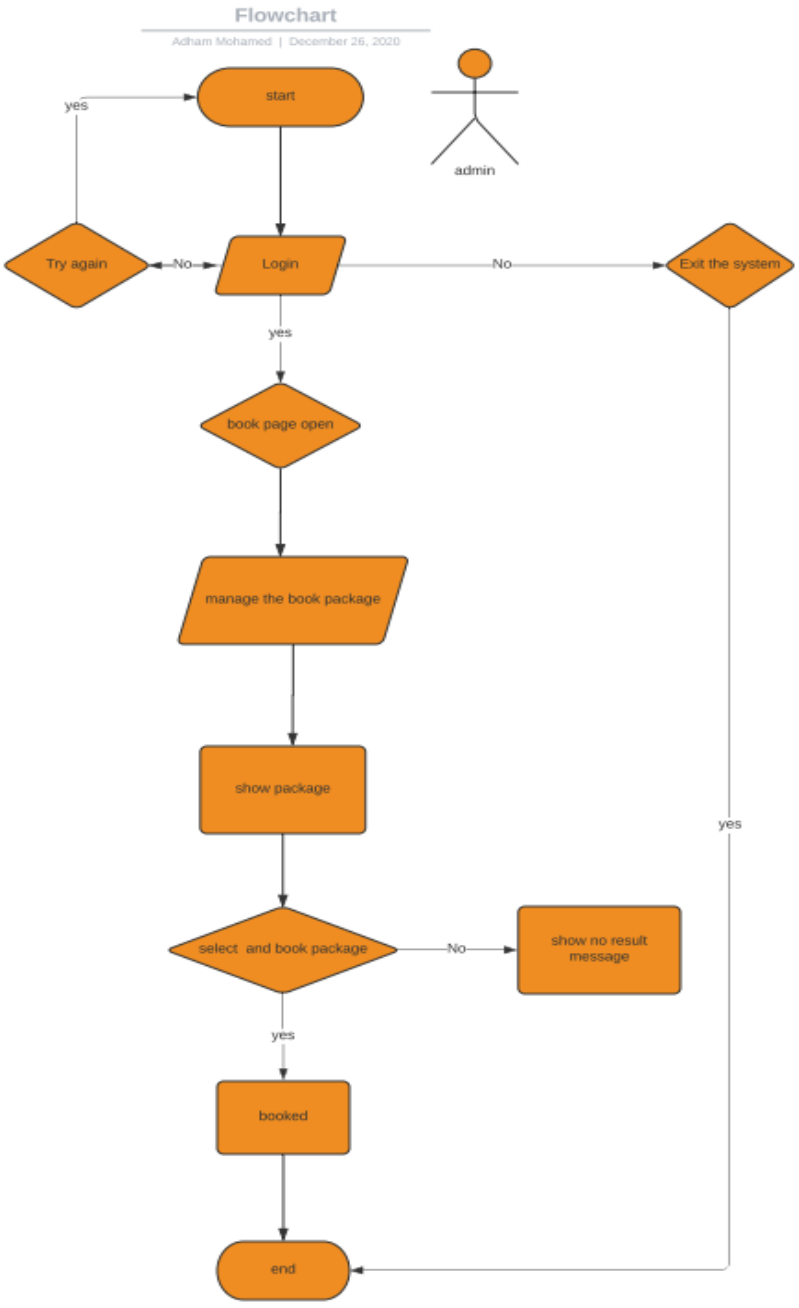
VI. Algorithms and Data Structures



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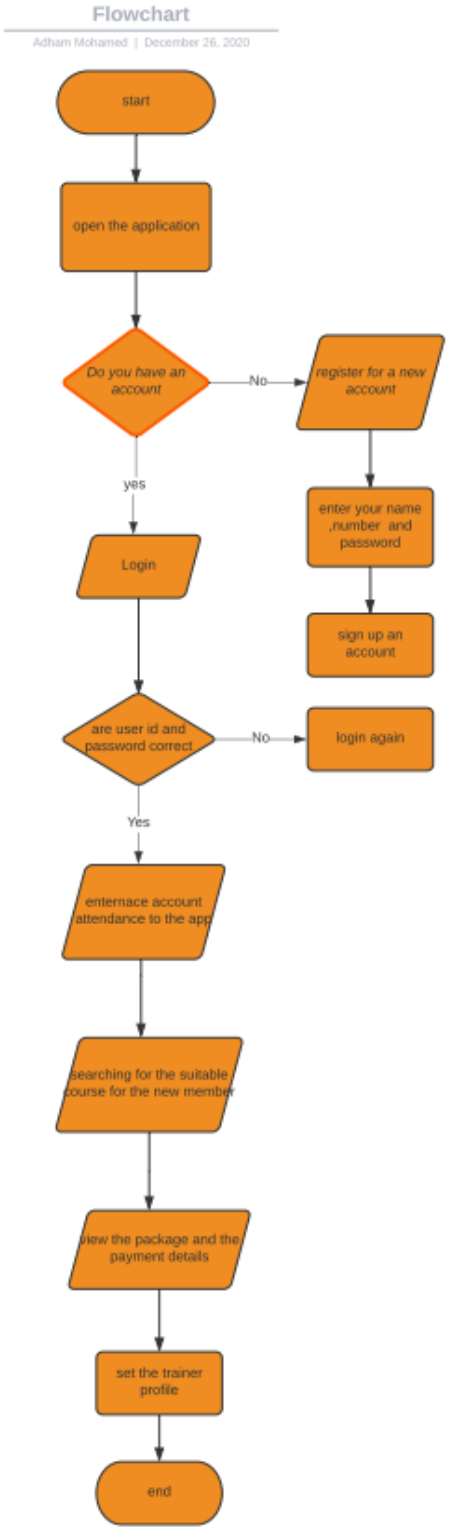

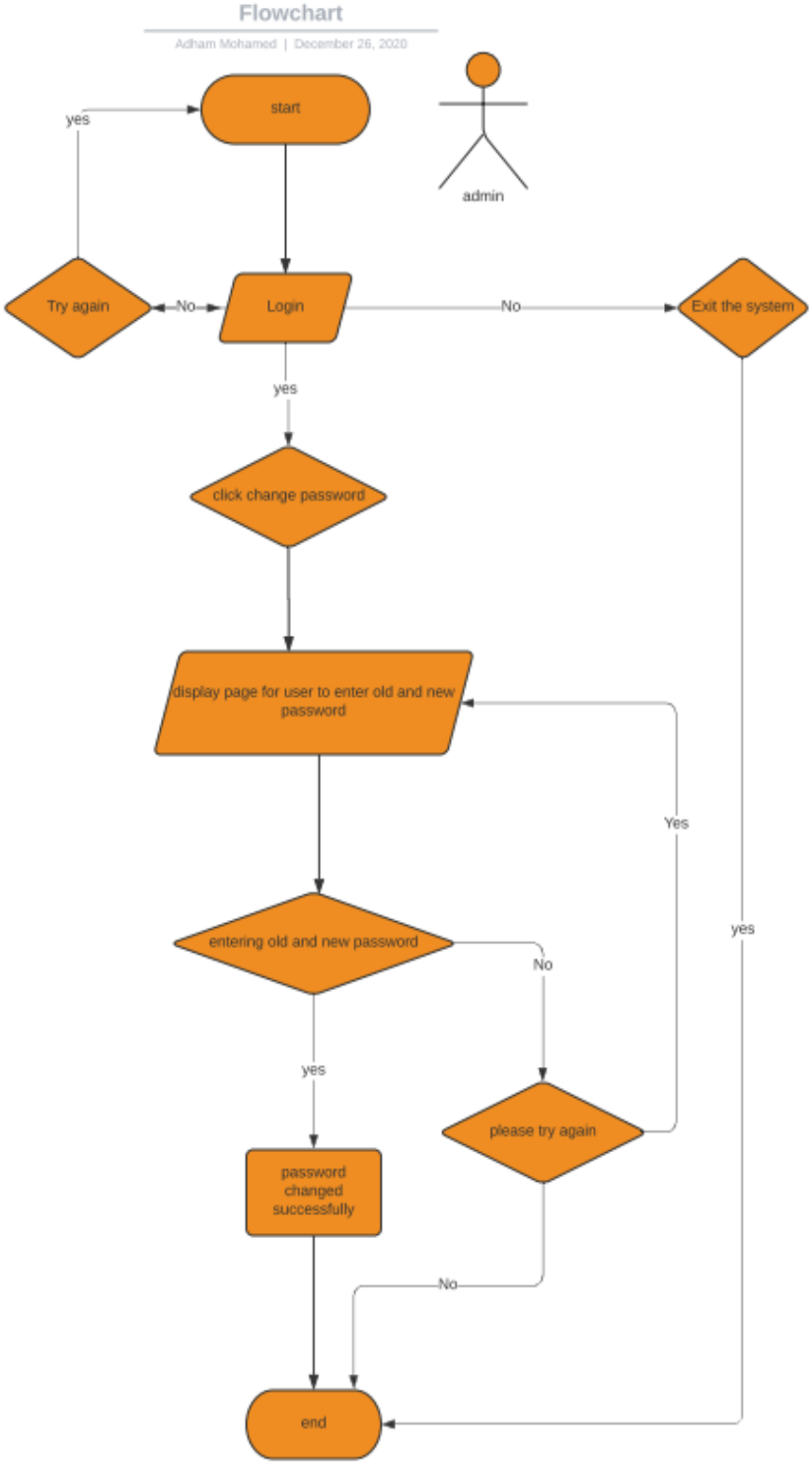

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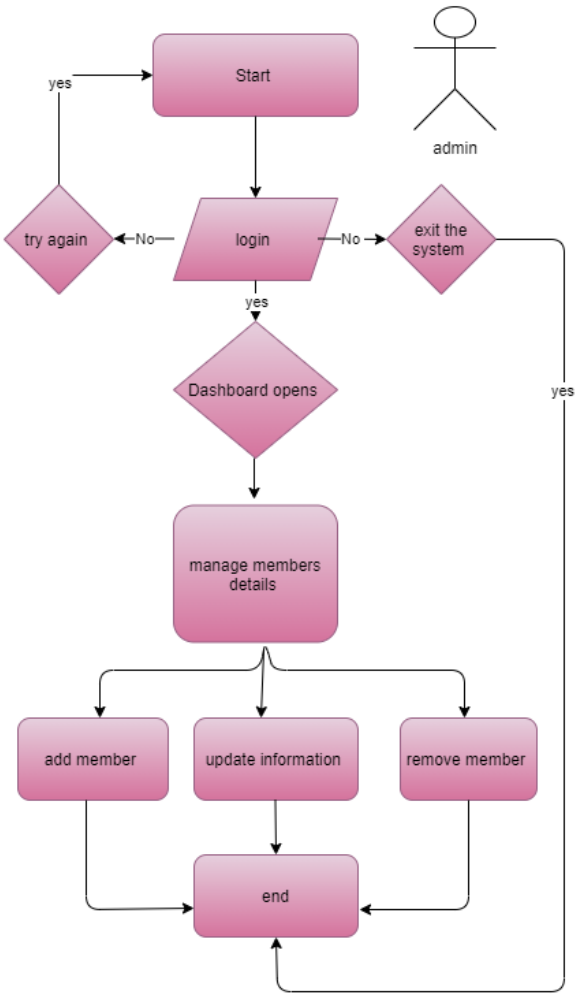

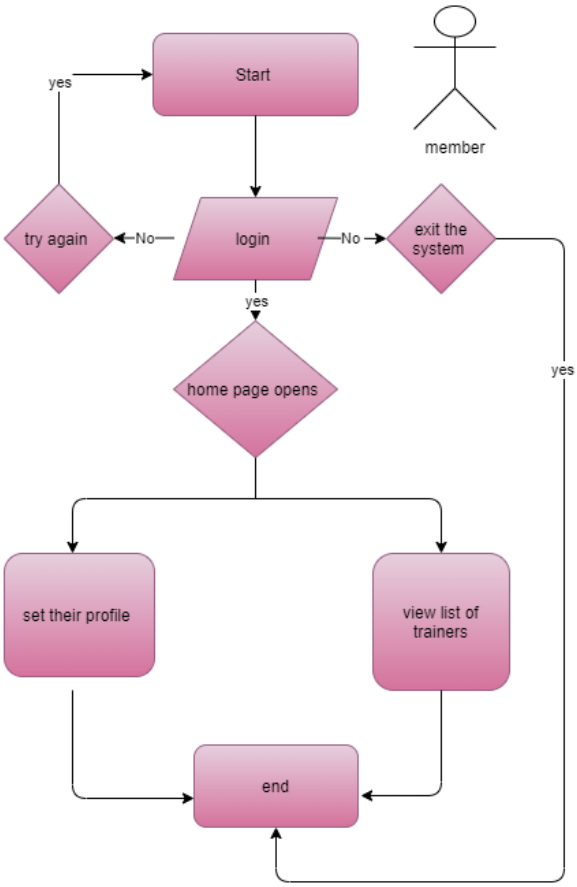

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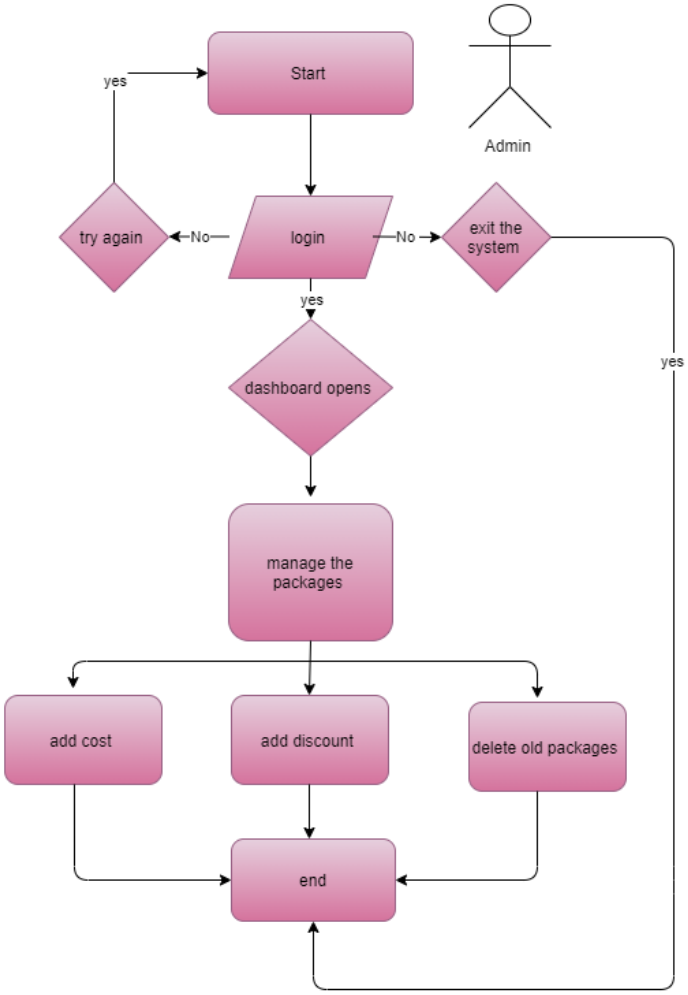

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Ownership Report

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.

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