



**Course code 206**

**Course Name**

**Software engineering Theory**

**Phase 2: Software Design Document**

**TEAM Name:**

**Sci-Sickurity**

**Github Account:**

<https://github.com/sci-Sickurity>

**Project Link :**

[https://github.com/sci-Sickurity/SW\\_FitnessProject](https://github.com/sci-Sickurity/SW_FitnessProject)

**26/December/2020**

# Phase 2

## Project: <FitnessHub>



# Software Design Document

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Authors .....	<b>Error! Bookmark not defined.</b>

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### Team

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### Document Purpose and Audience

- This provided document shows how the software designing model is being processed To Automate Gym & Fitness admission Process.
- Targeted audience : fitness club owner , online stores owners , project managers , CEO's of company

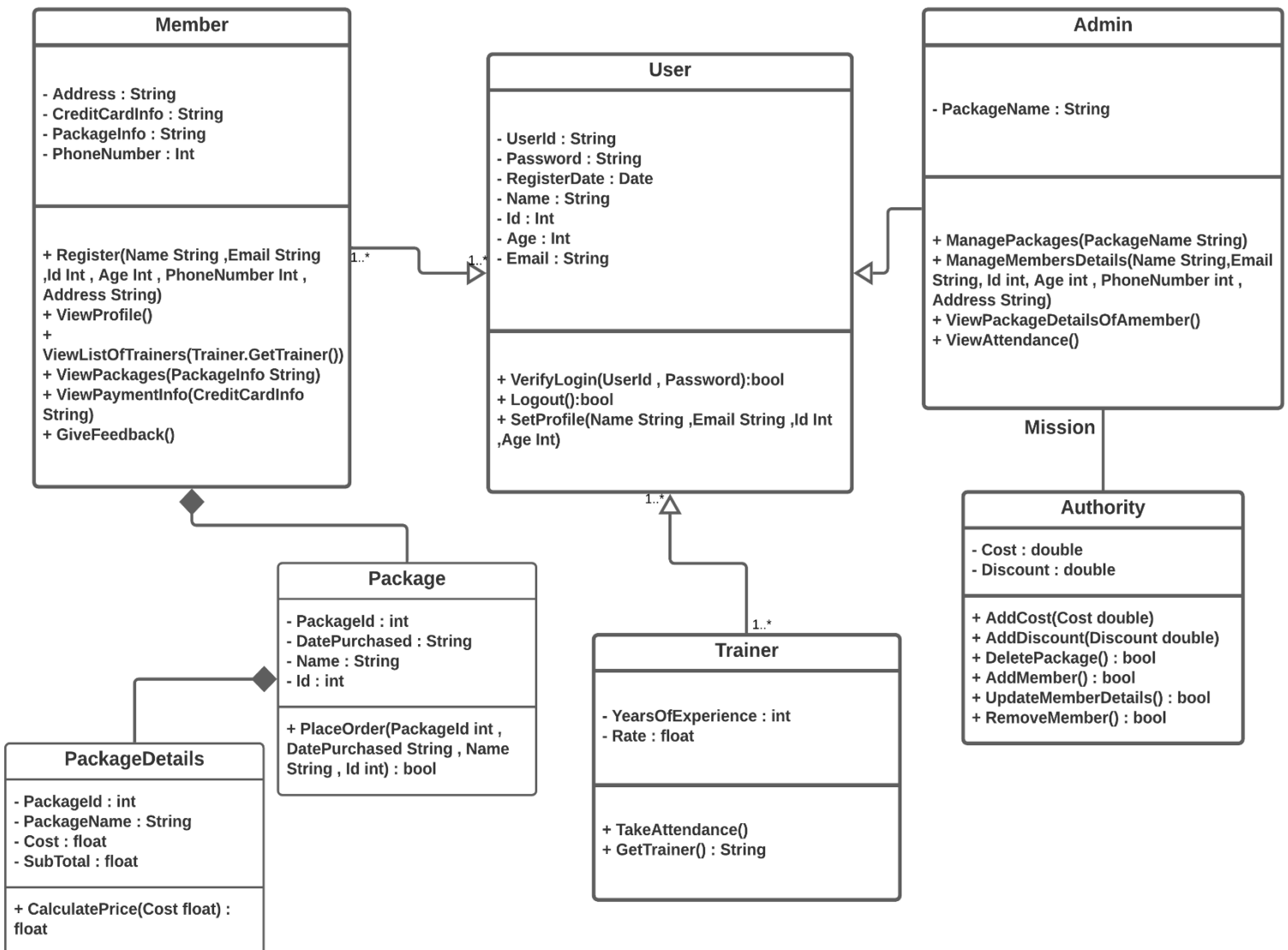
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## System Models

### I. Class diagrams



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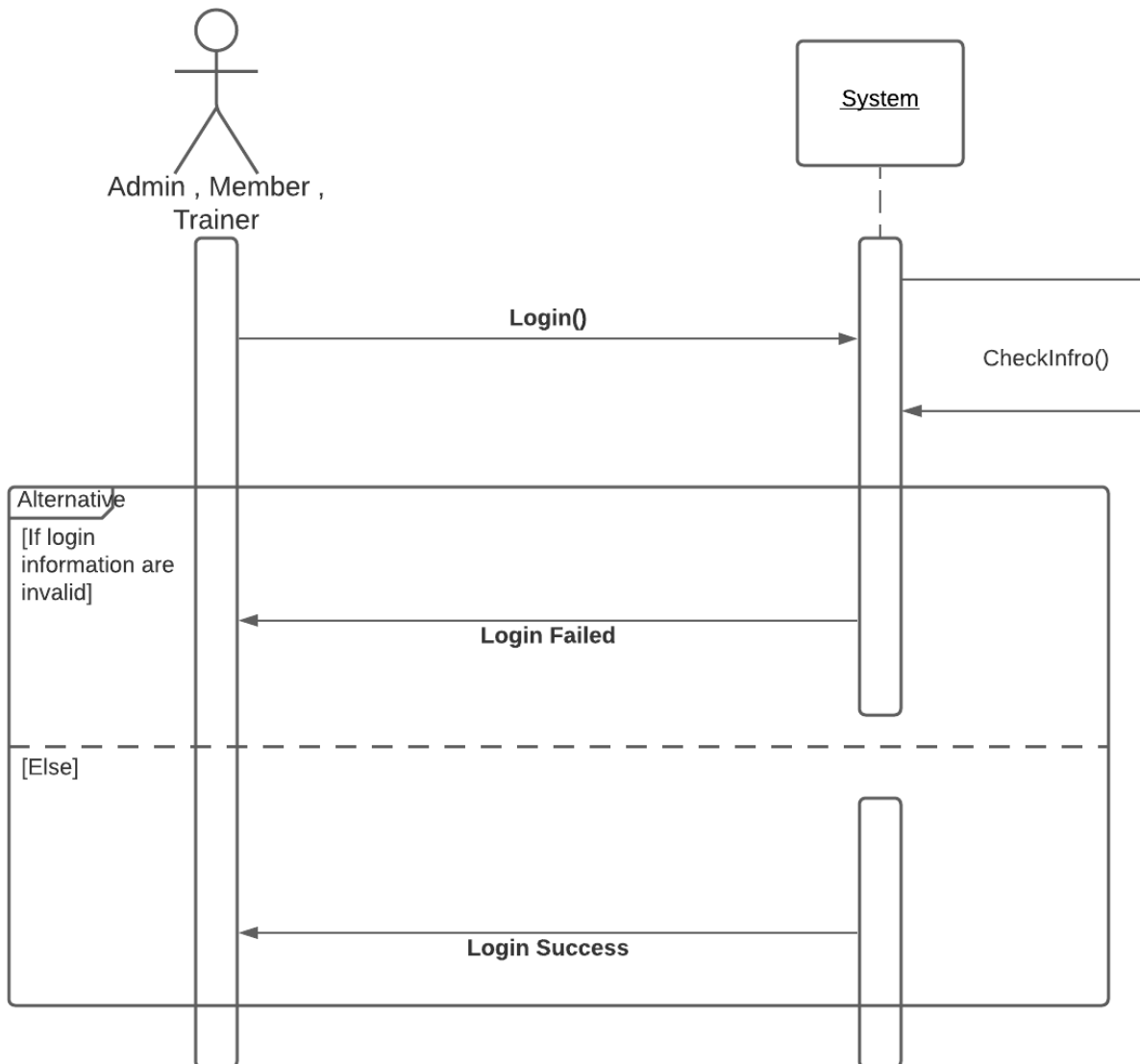
Class ID	Class Name	Subsystem ID	Description & Responsibility
1	User	None	Set up profile and take the data of the users
2	Admin	3	Manage the whole system
3	Authority	None	Let the admin add and remove packages
4	Trainer	None	Take attendance and years of exp.
5	Member	6,7	View List of trainers and Enroll in Specific Package
6	Package	7	Placing order and save purchasing date
7	PackageDetails	None	Calculate the price of the package

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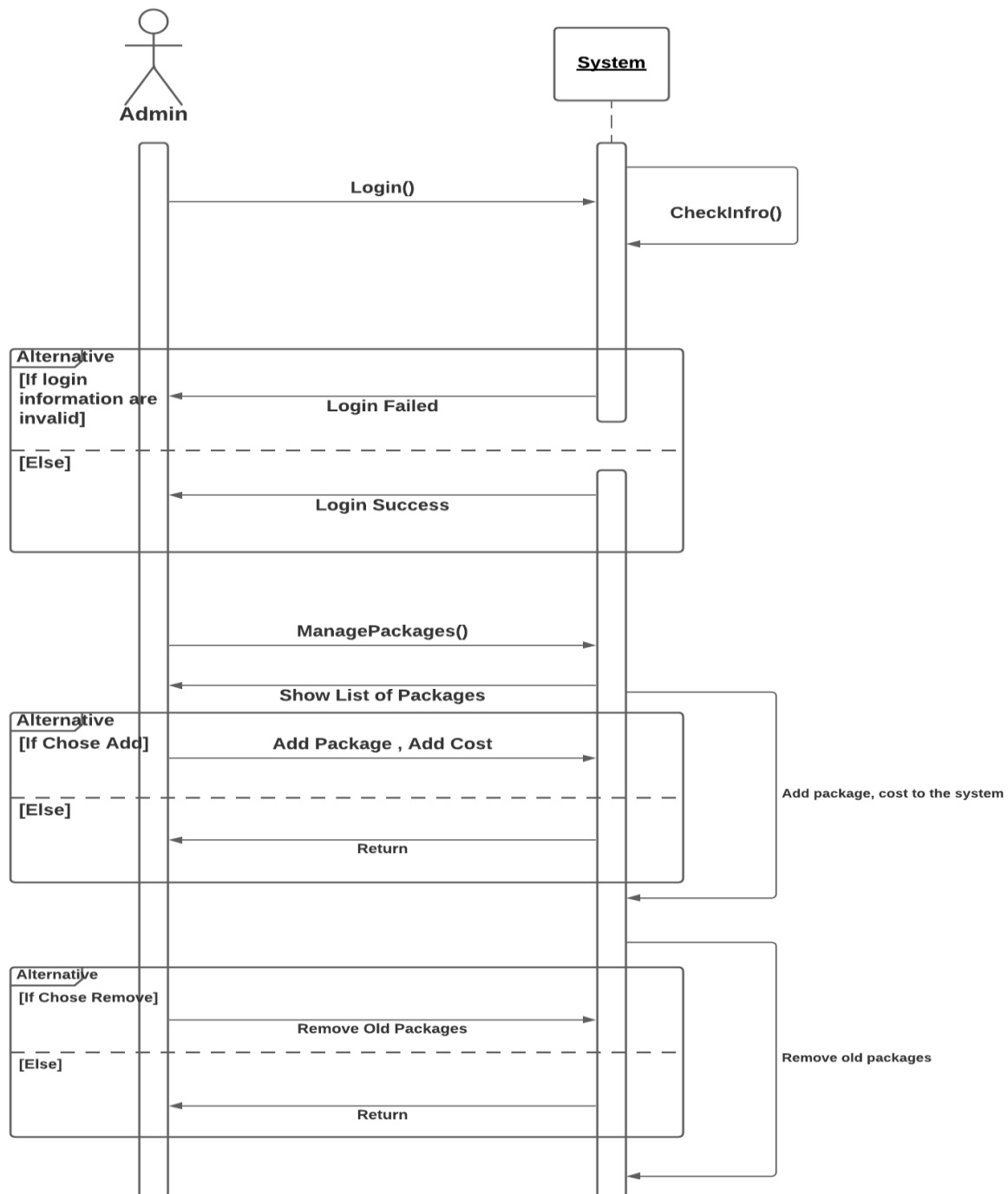
## I. Sequence diagrams



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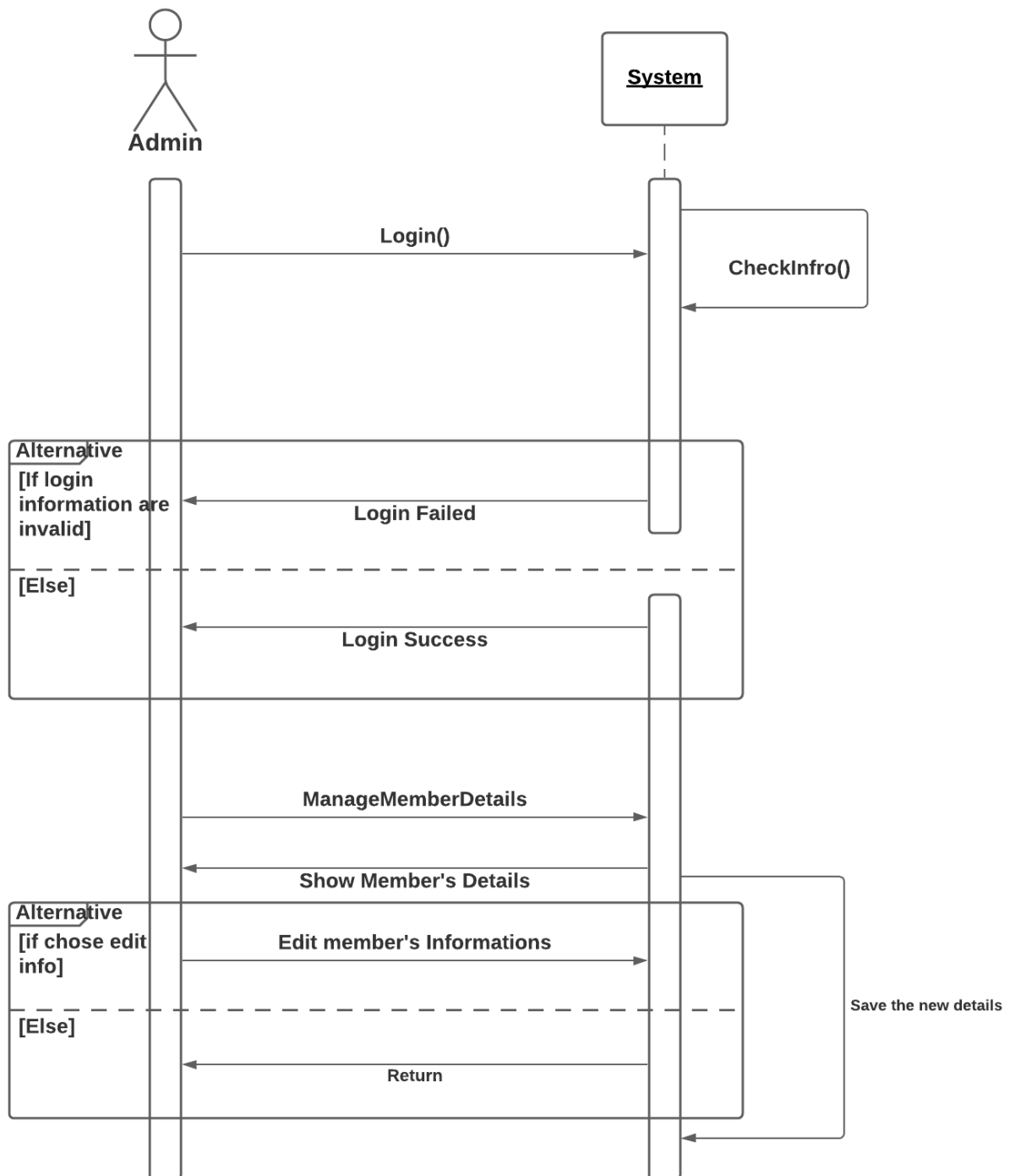
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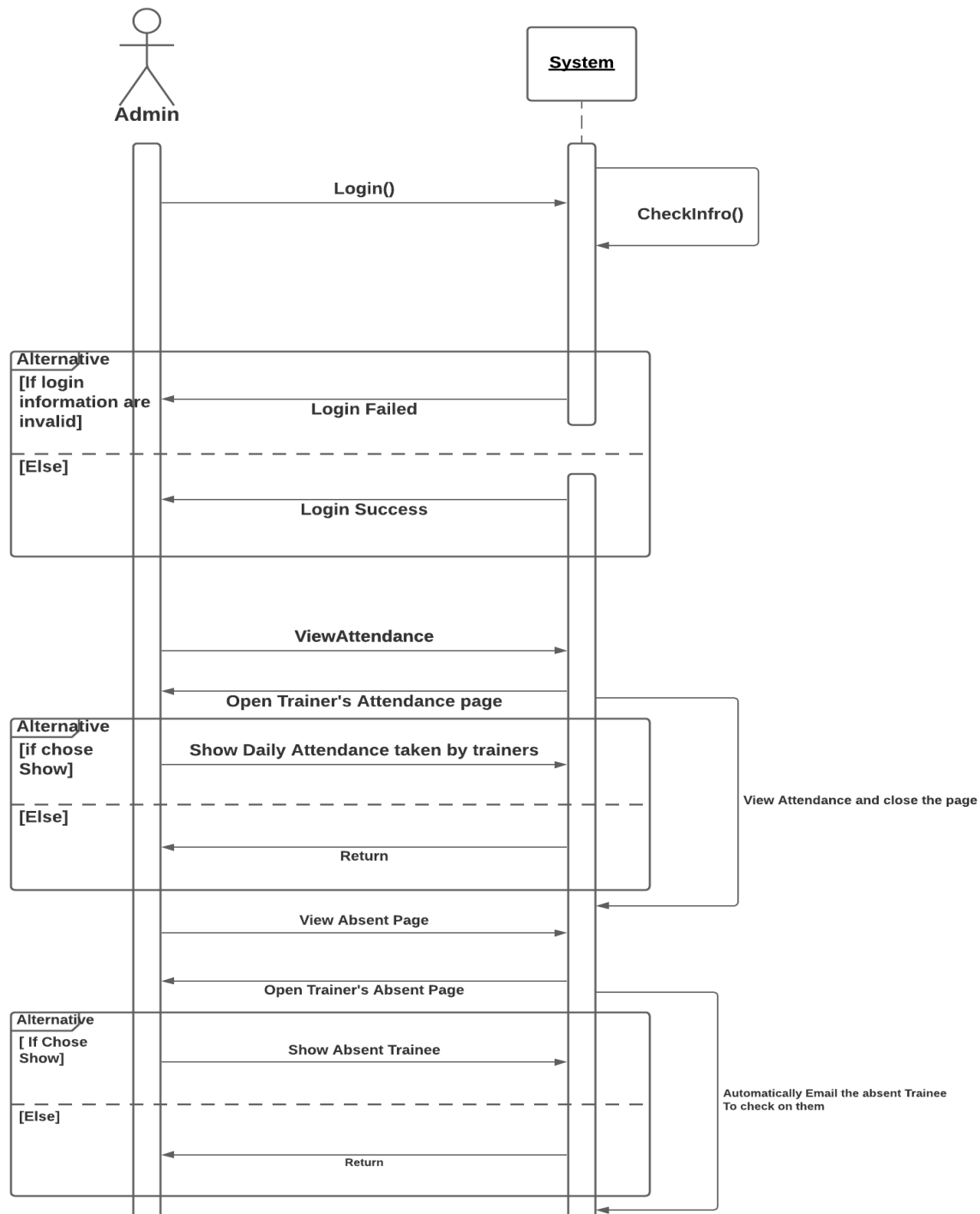




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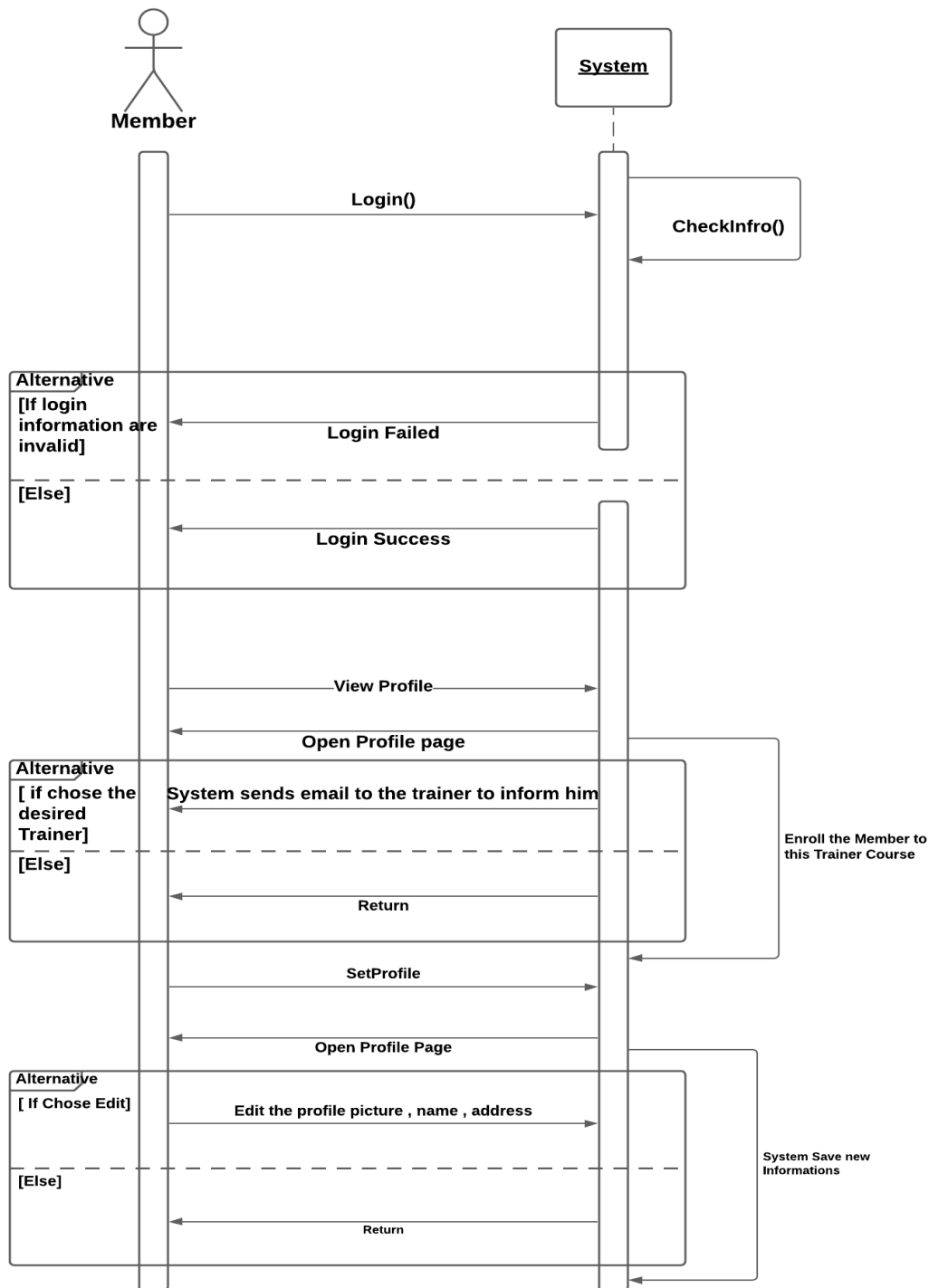
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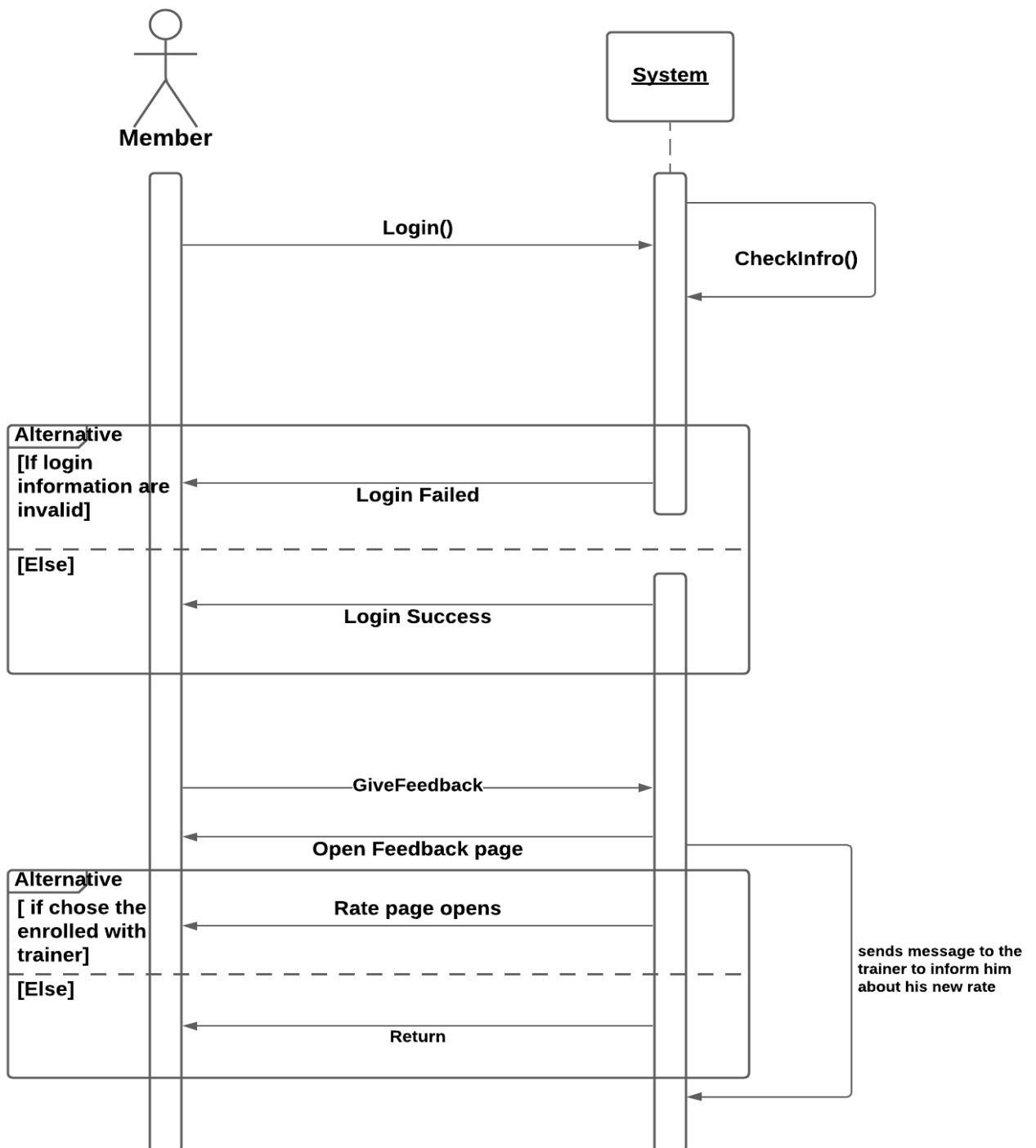
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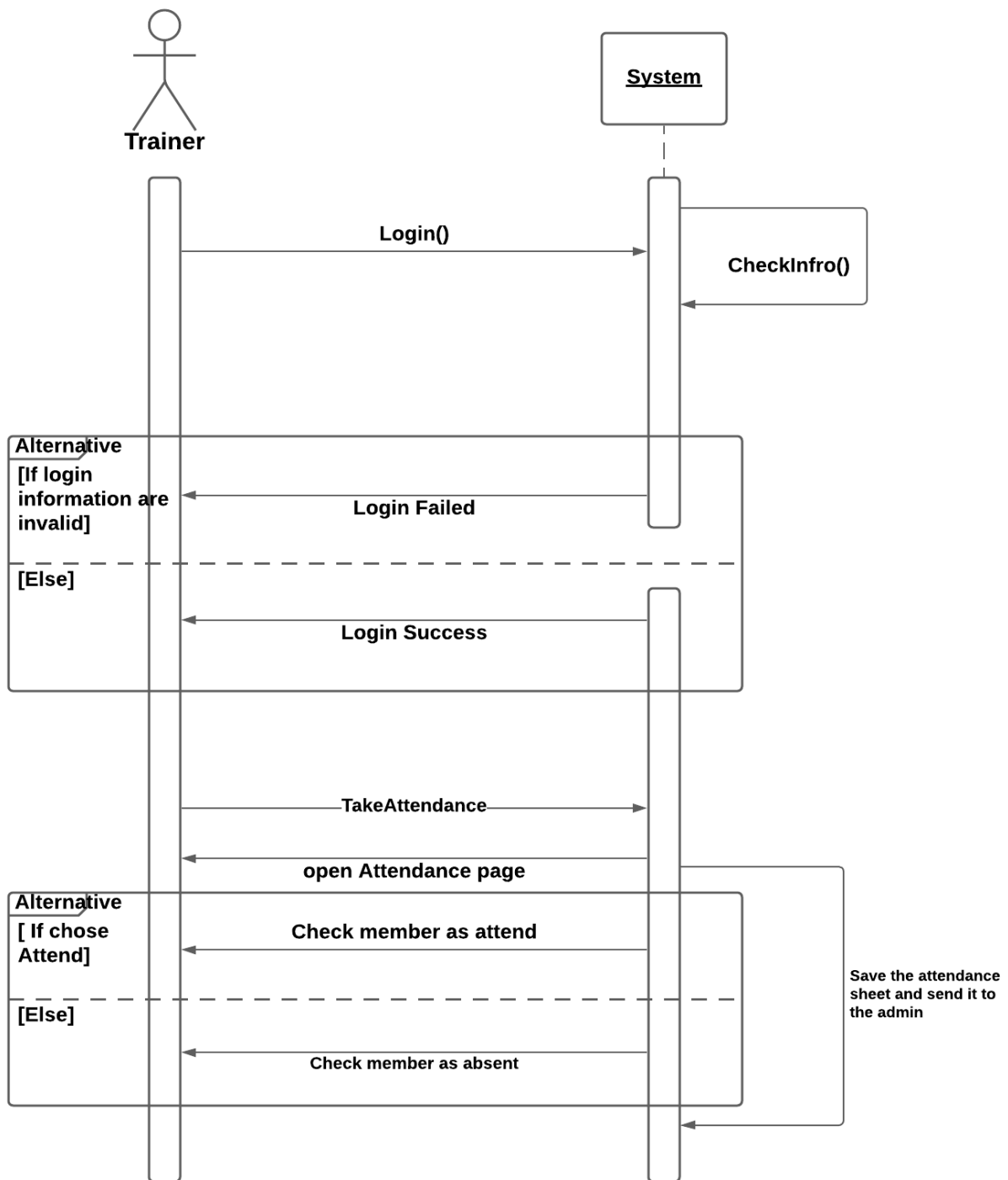
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### Class - Sequence Usage Table

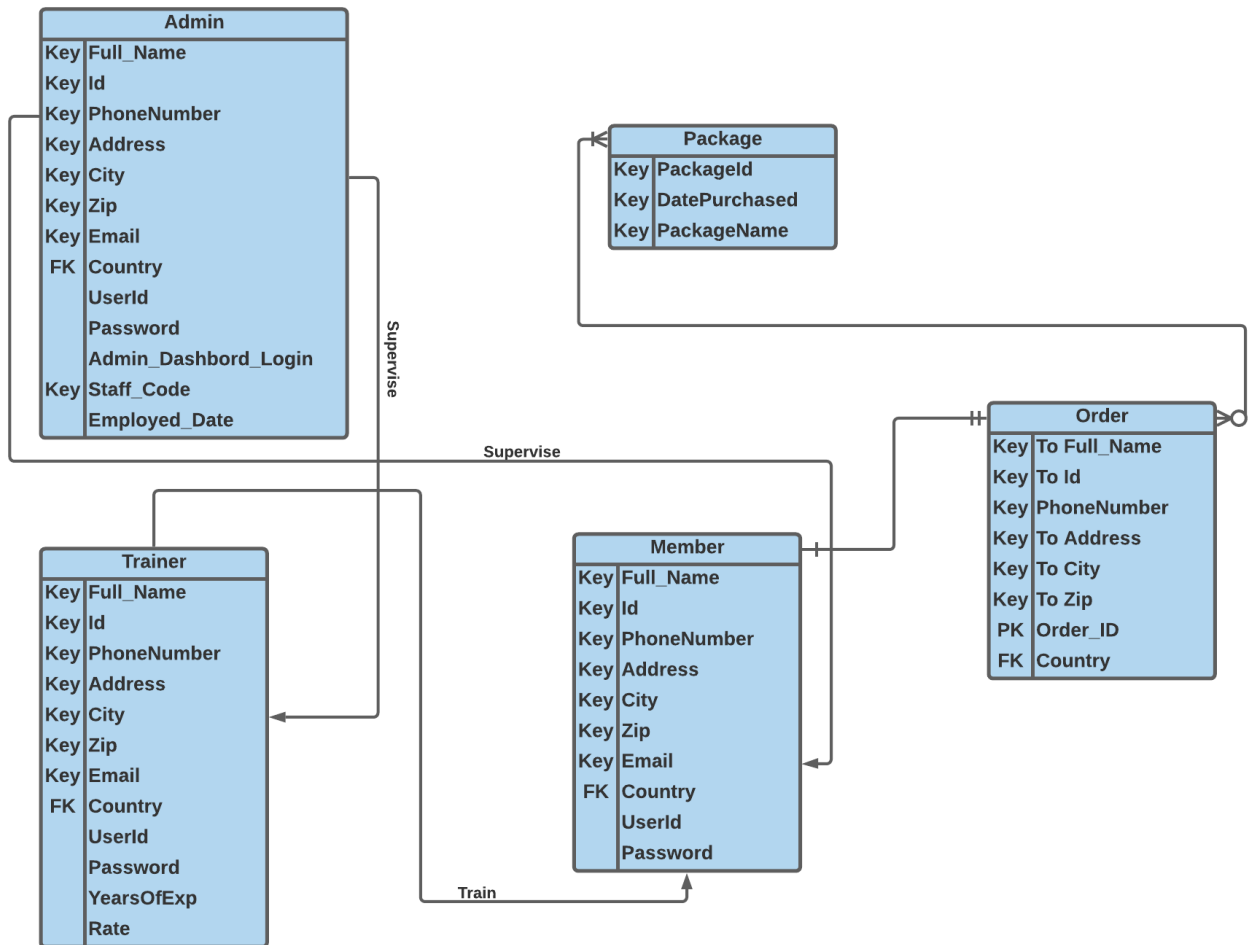
Class Name	Sequence Diagram	Overall used Methods
User	1	VerifyLogin()
Admin	2	VerifyLogin() , ManagePackage()
Admin	3	VerifyLogin() , ManageMemberDetails()
Admin	4	VerifyLogin() , ViewAttendance()
Member	5	VerifyLogin() , ViewProfile() , SetProfile()
Member	6	VerifyLogin() , GiveFeedback()
Trainer	7	VerifyLogin() , TakeAttendance()

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### III. Physical Entity-Relationship Diagram



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### IV. User Interface Design

**FH**

Register

Home Packages About Trainers Login

**FH**  
Sign Up

Full Name Password City

Email Confirm Password Country

Phone Number Address Zipcode

Username State

Login

**EVENTS**

Faculty Of Science @Chatby  
DEC - Saturday 26 2020

Faculty Of Science @Chatby  
DEC - Saturday 26 2020

**NEWS**

New Trainers joined us ,what are you waiting?  
Join Us!

Read More!

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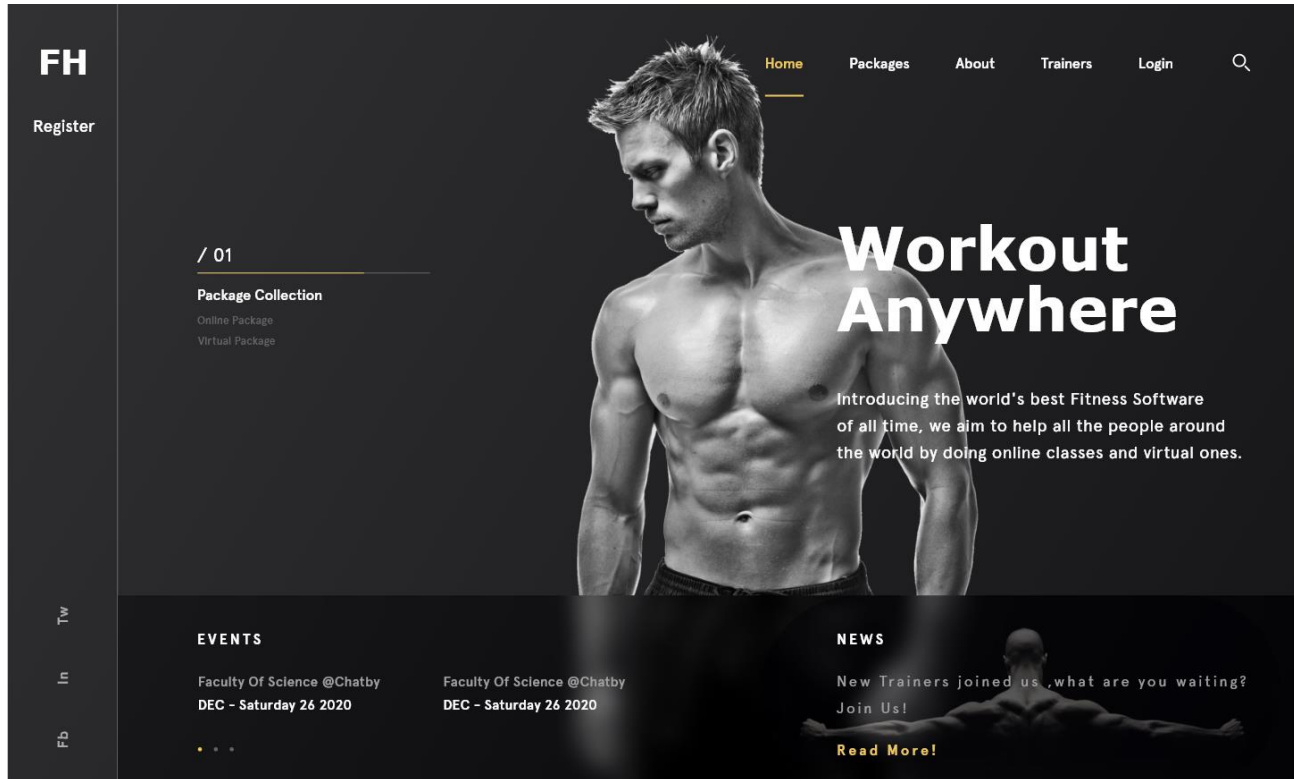
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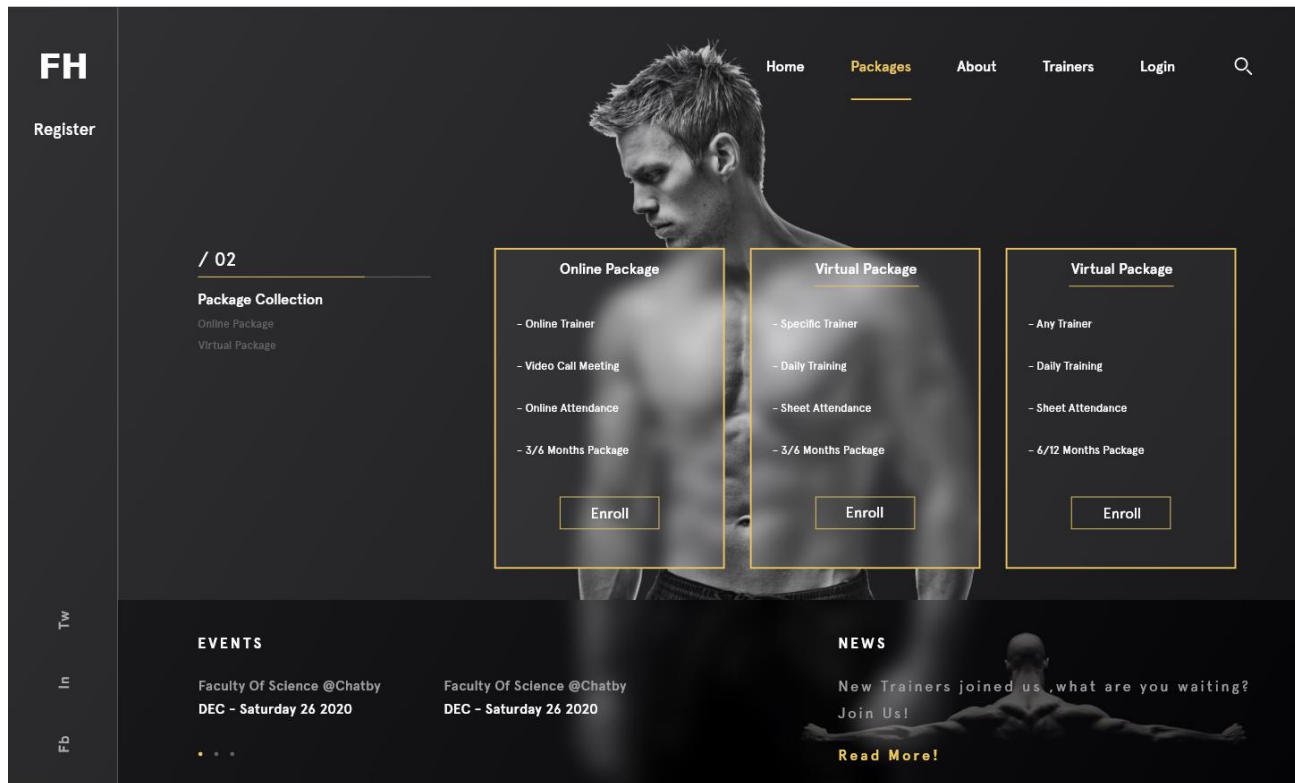
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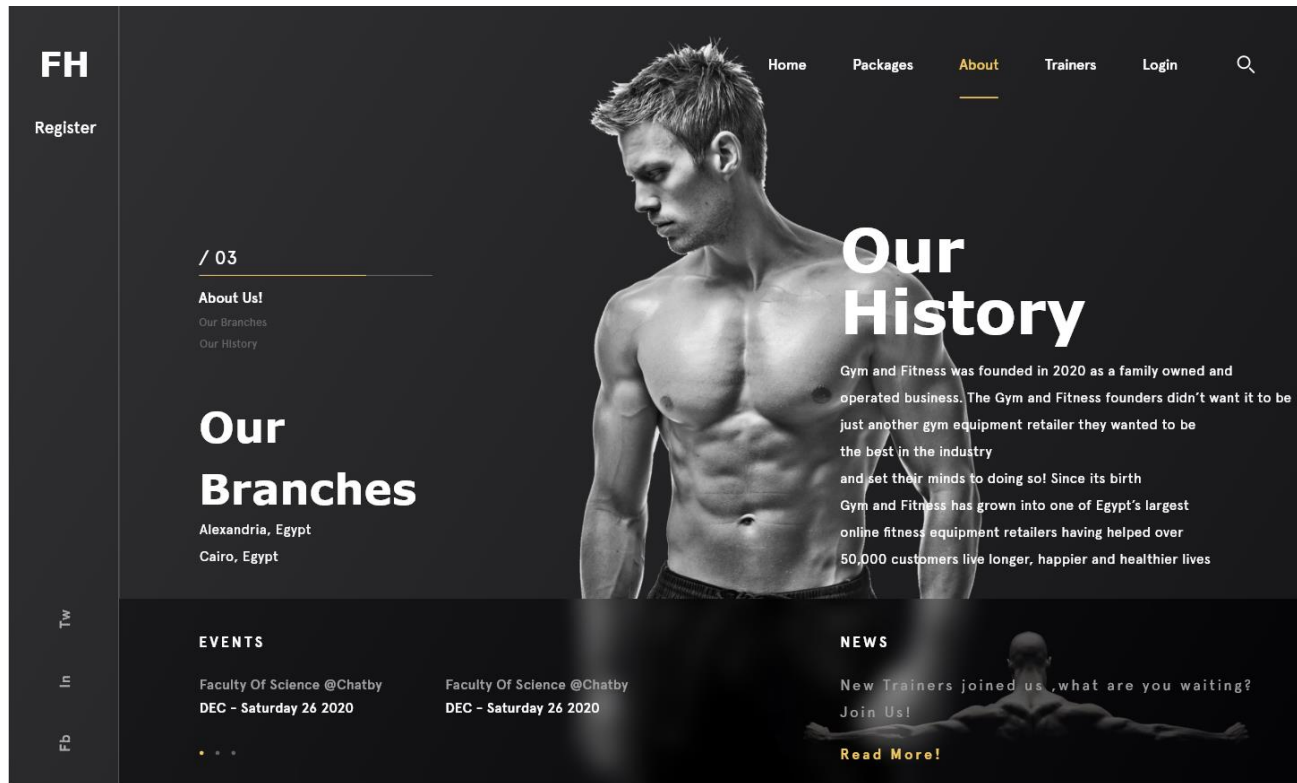
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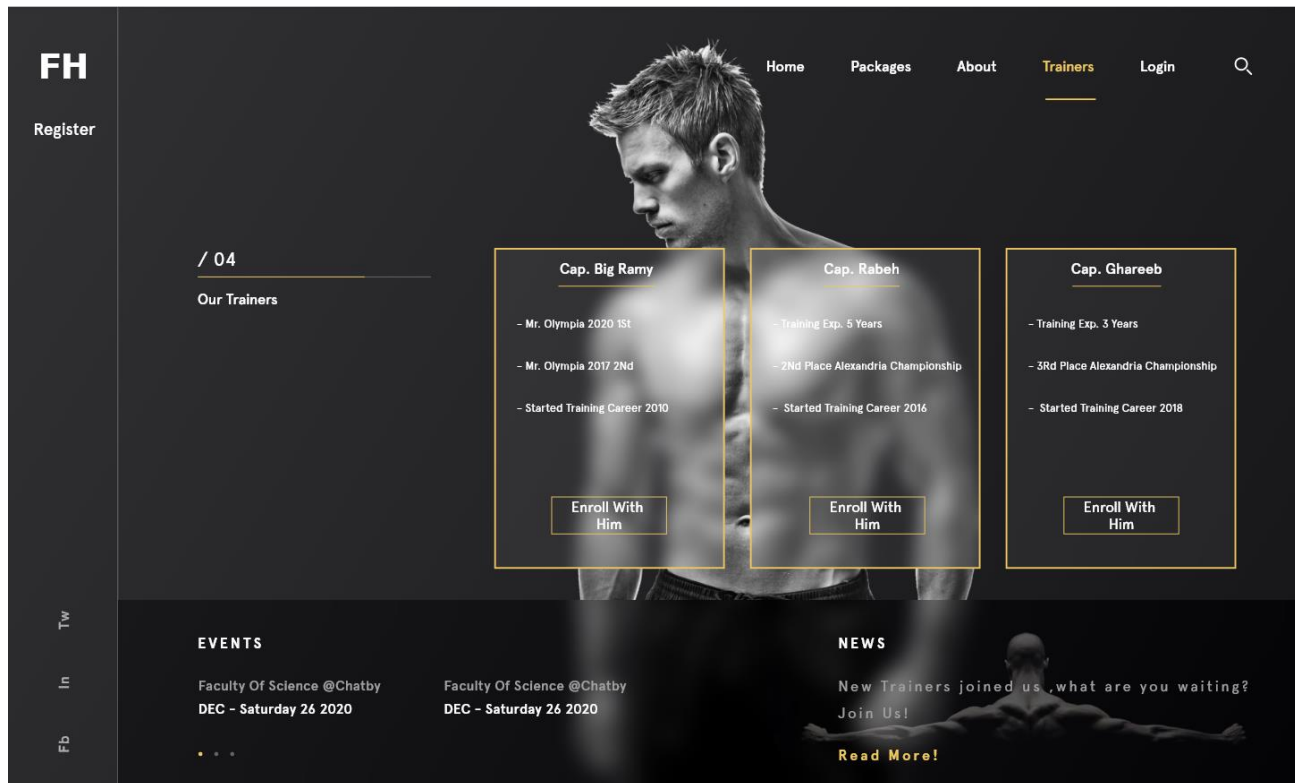
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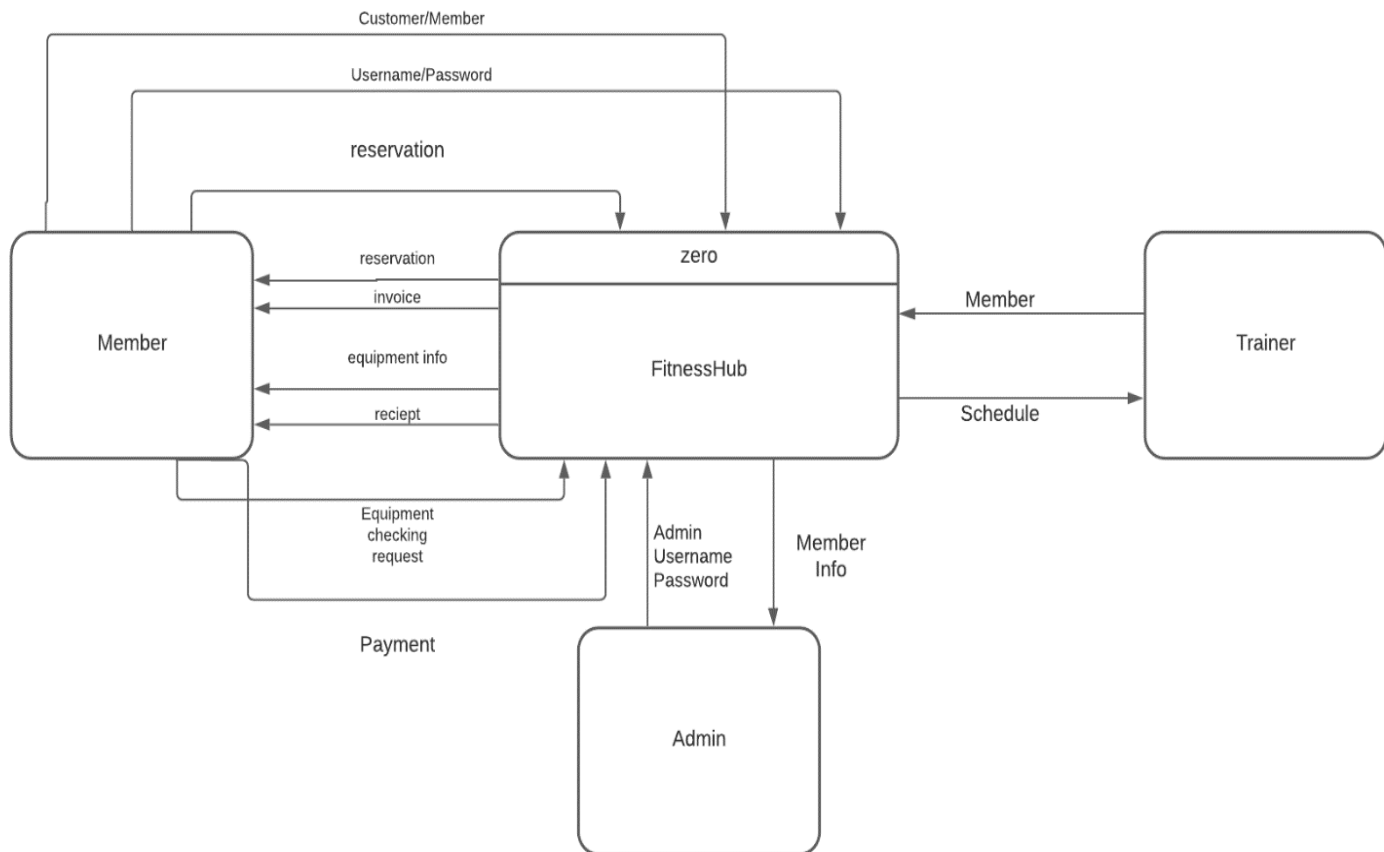


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### V. Dataflow diagram (DFD)

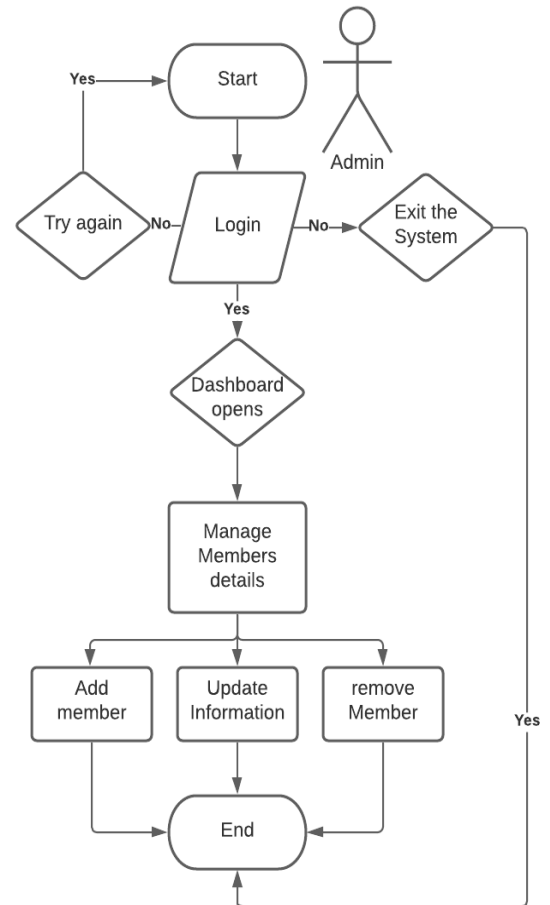
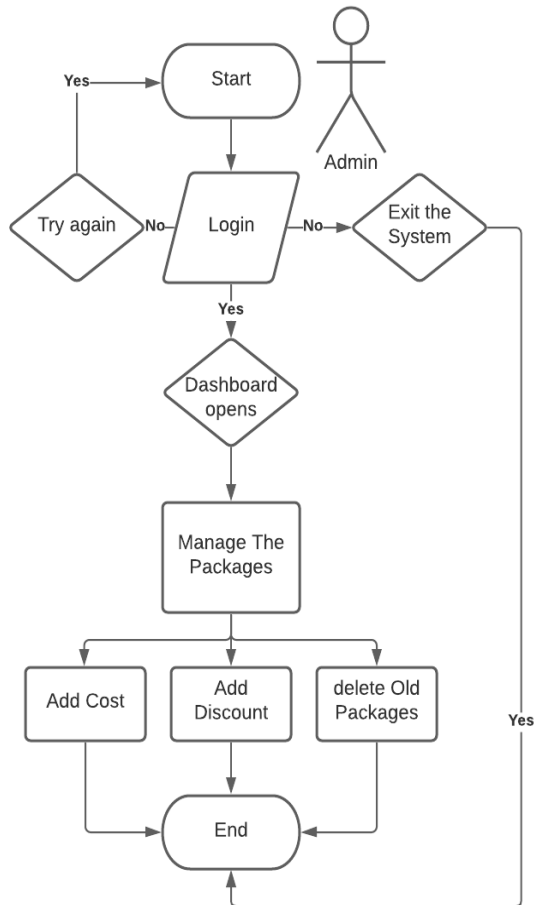


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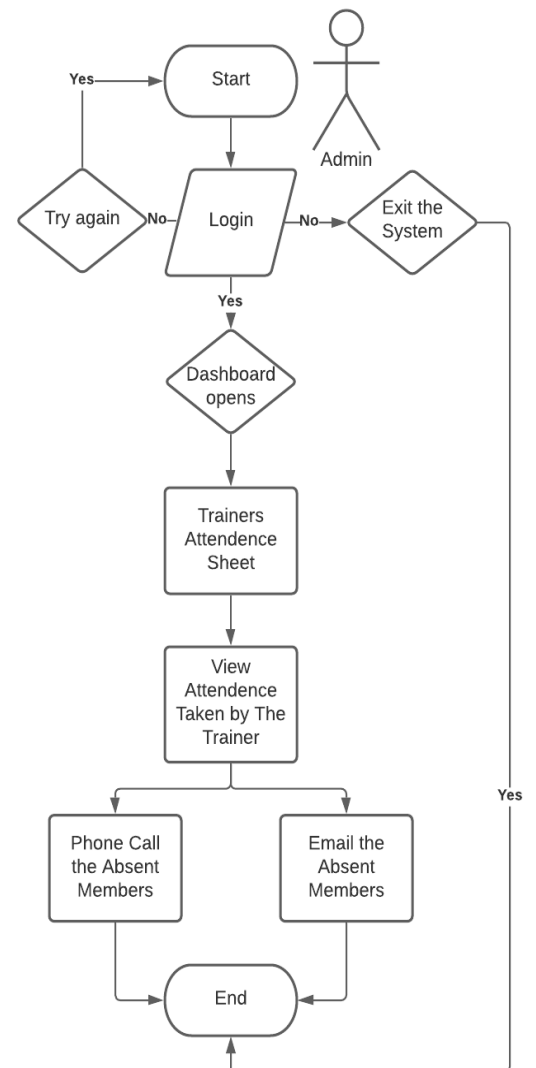
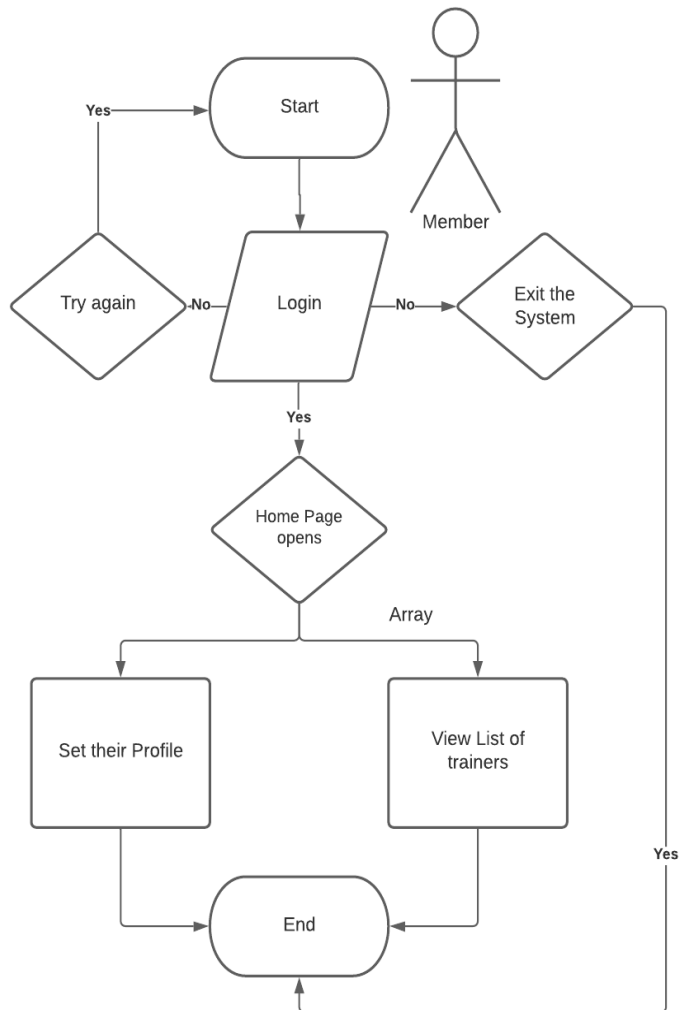
### VI. Algorithms and Data Structures



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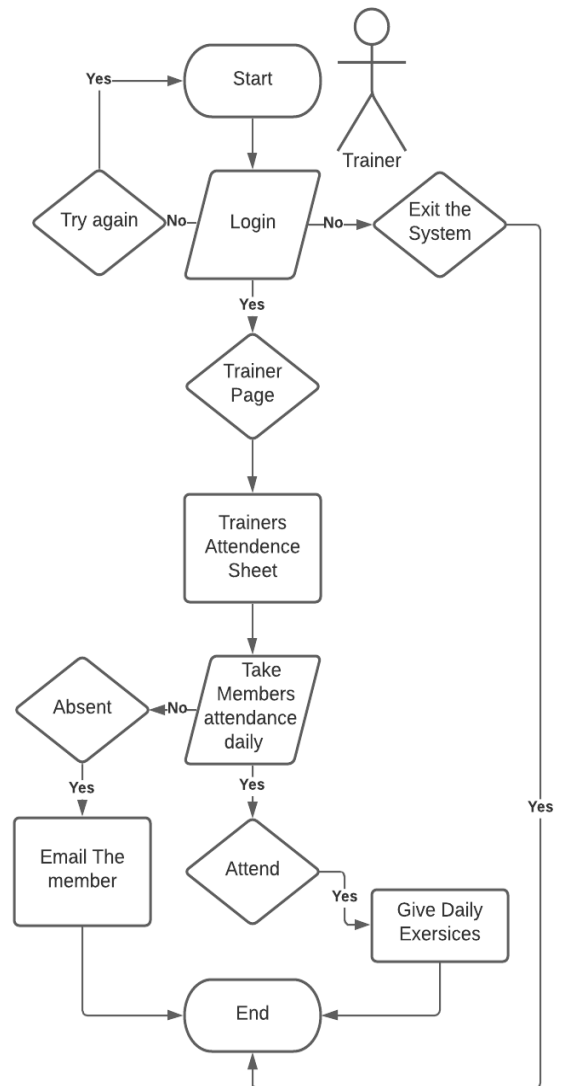
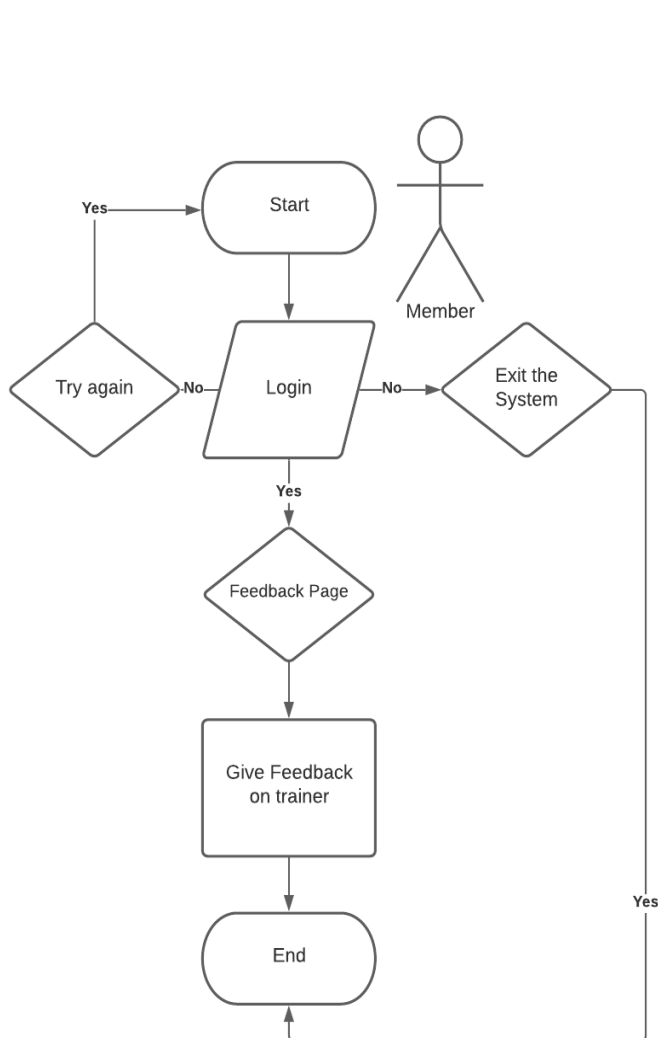
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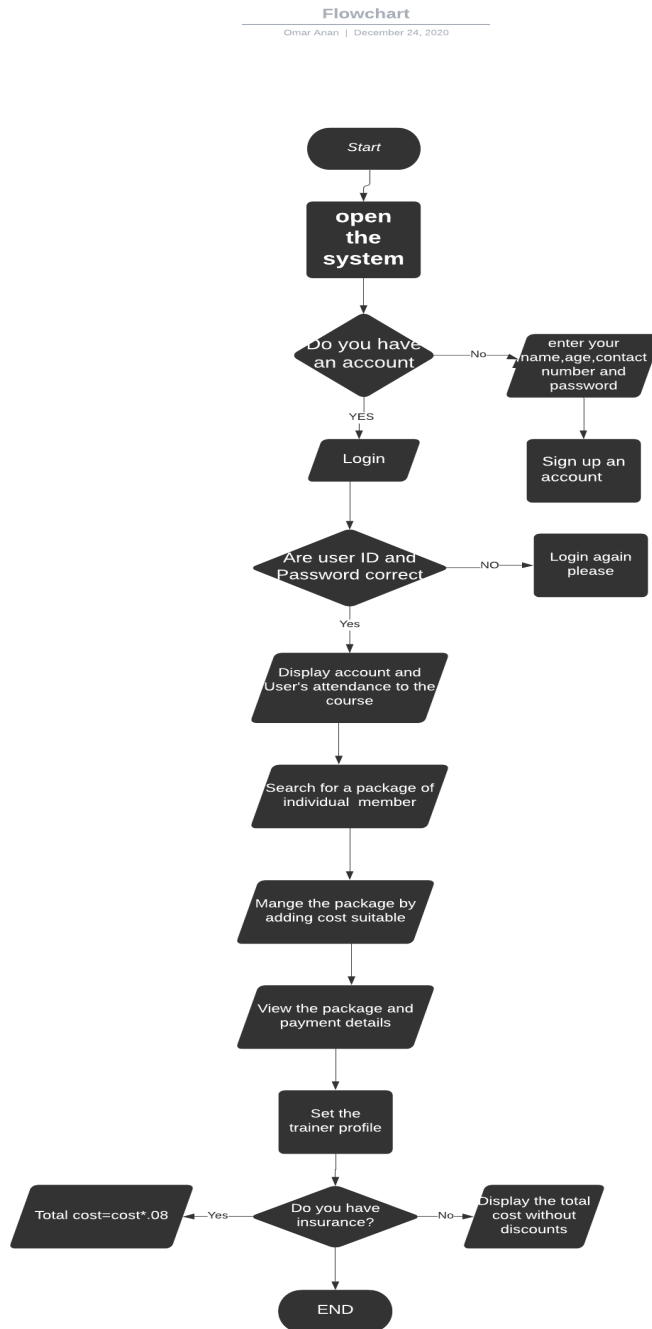


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### Non-Sure about this system Flowchart



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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.**

- **We Agree.**