



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

26/December/2020

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Authors	Error! Bookmark not defined.

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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

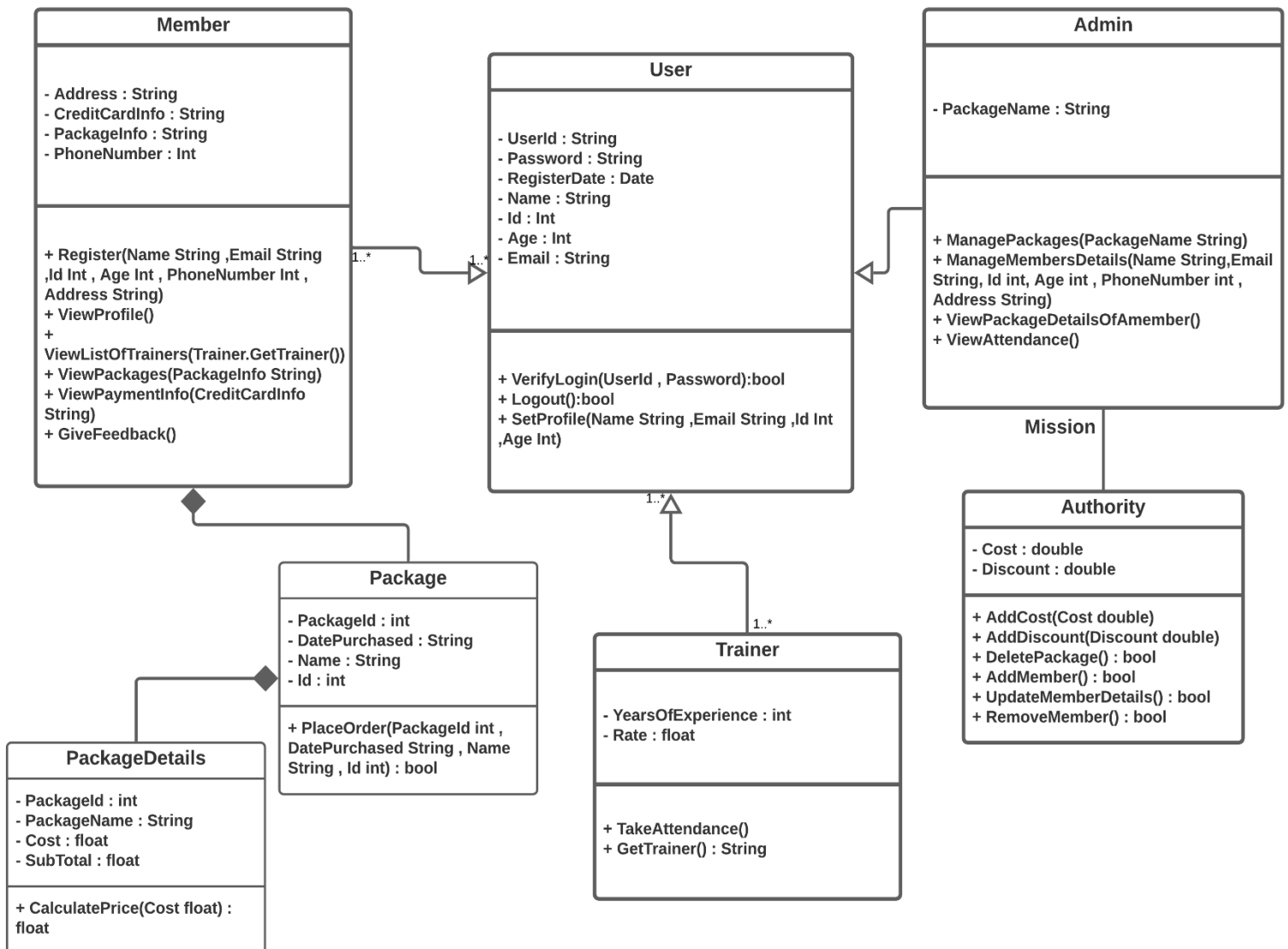
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System Models

I. Class diagrams



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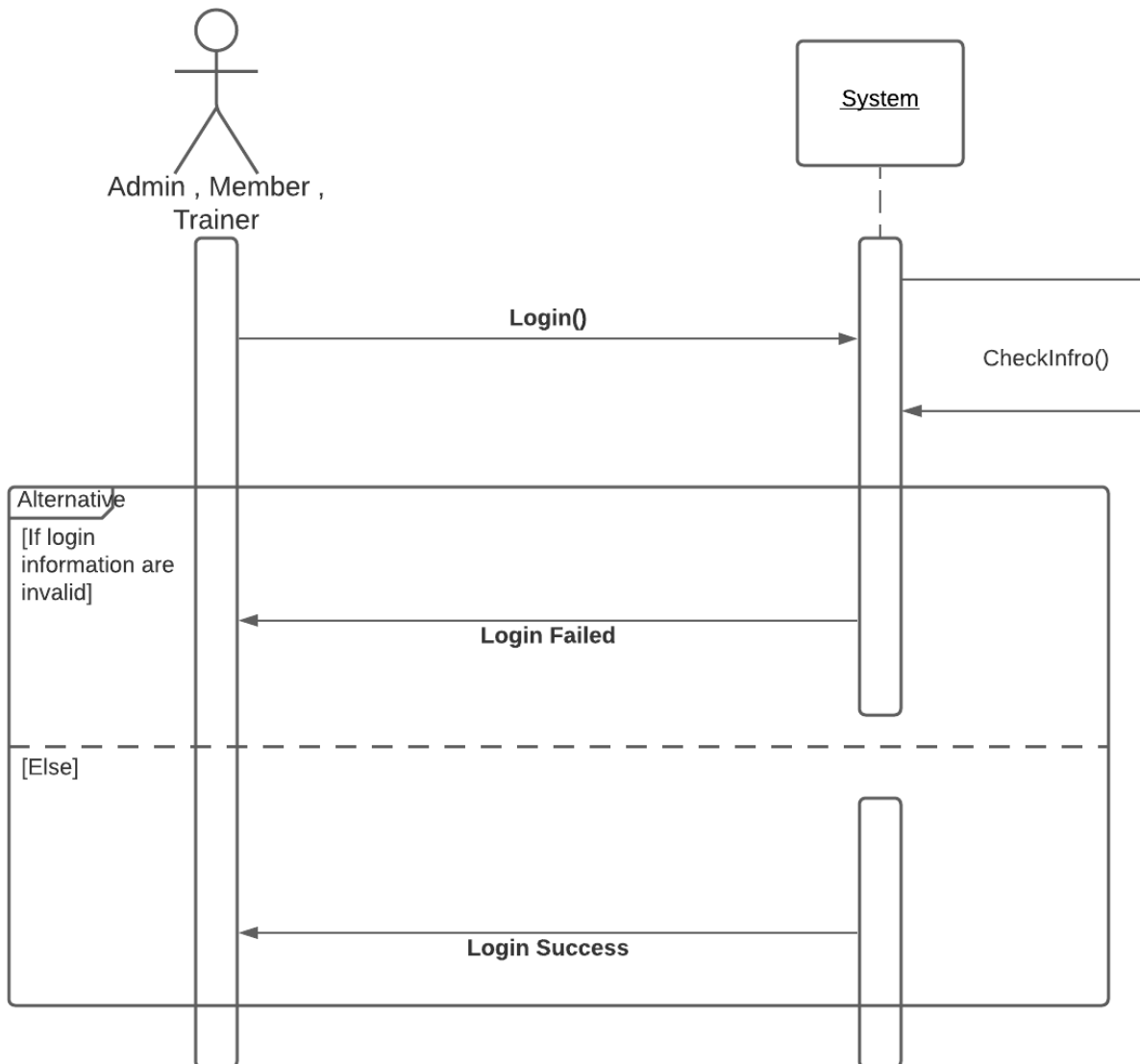
Class ID	Class Name	Subsystem ID	Description & Responsibility
1	User	None	Set up profile and take the data of the users
2	Admin	3	Manage the whole system
3	Authority	None	Let the admin add and remove packages
4	Trainer	None	Take attendance and years of exp.
5	Member	6,7	View List of trainers and Enroll 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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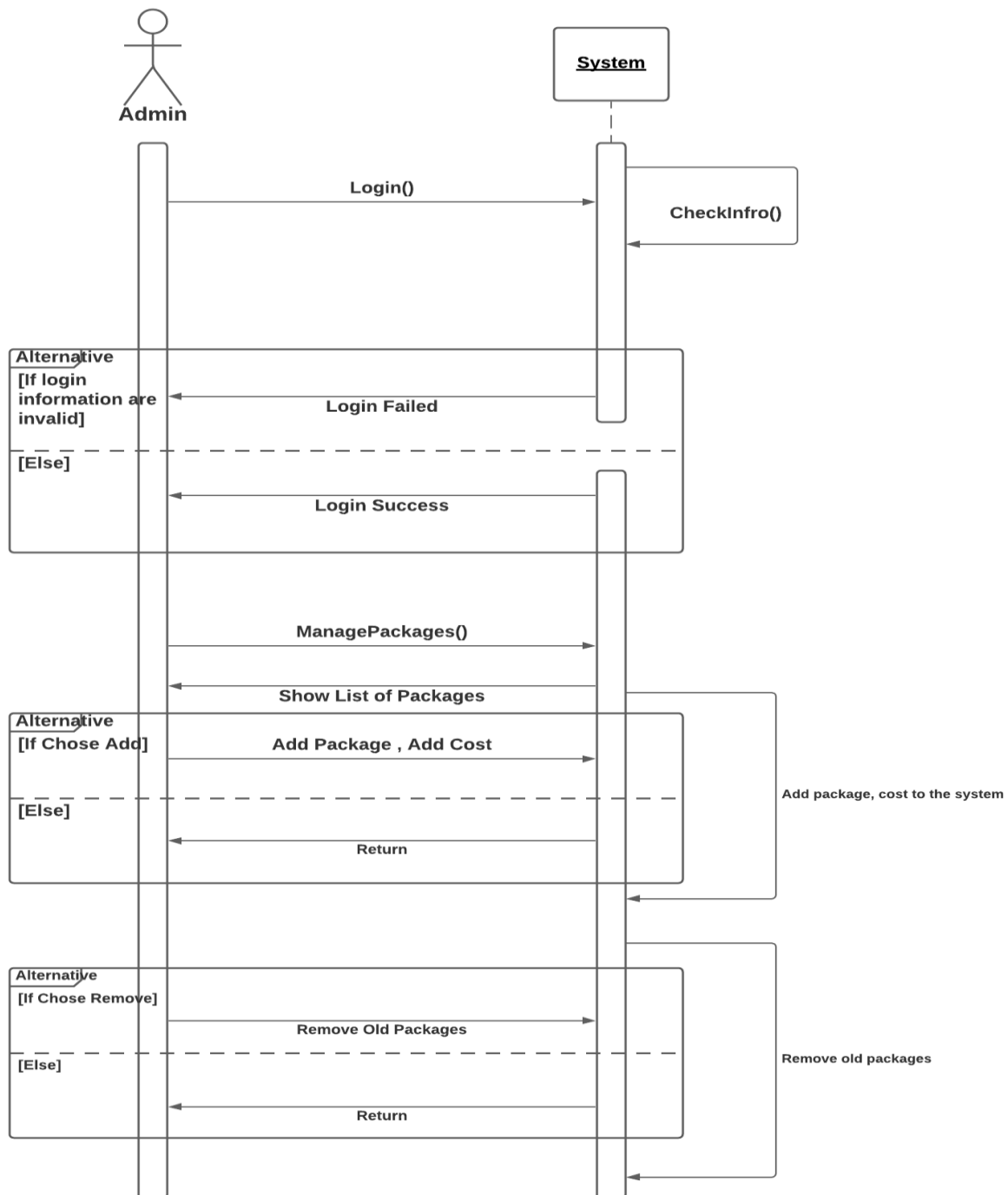
I. Sequence diagrams



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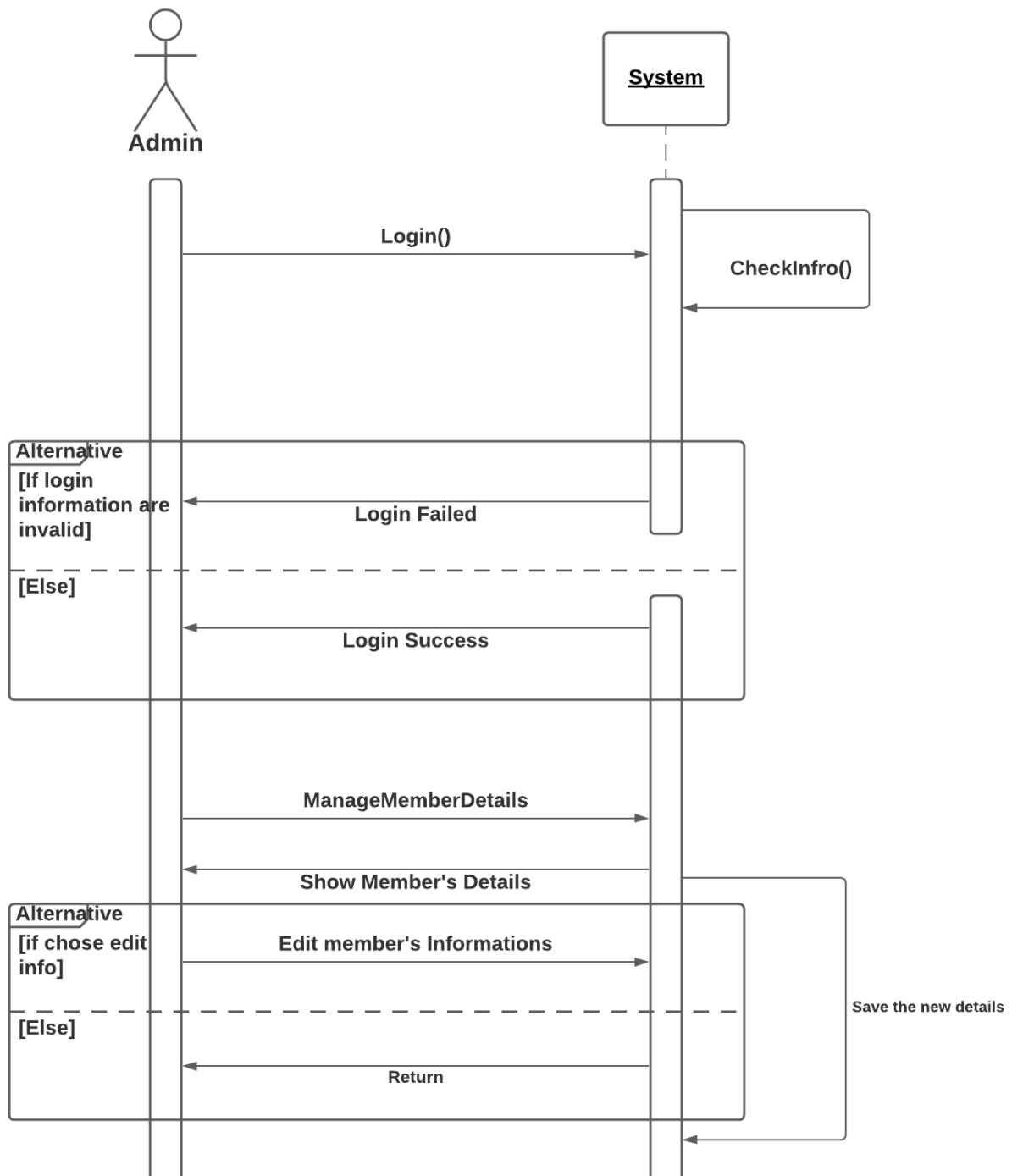
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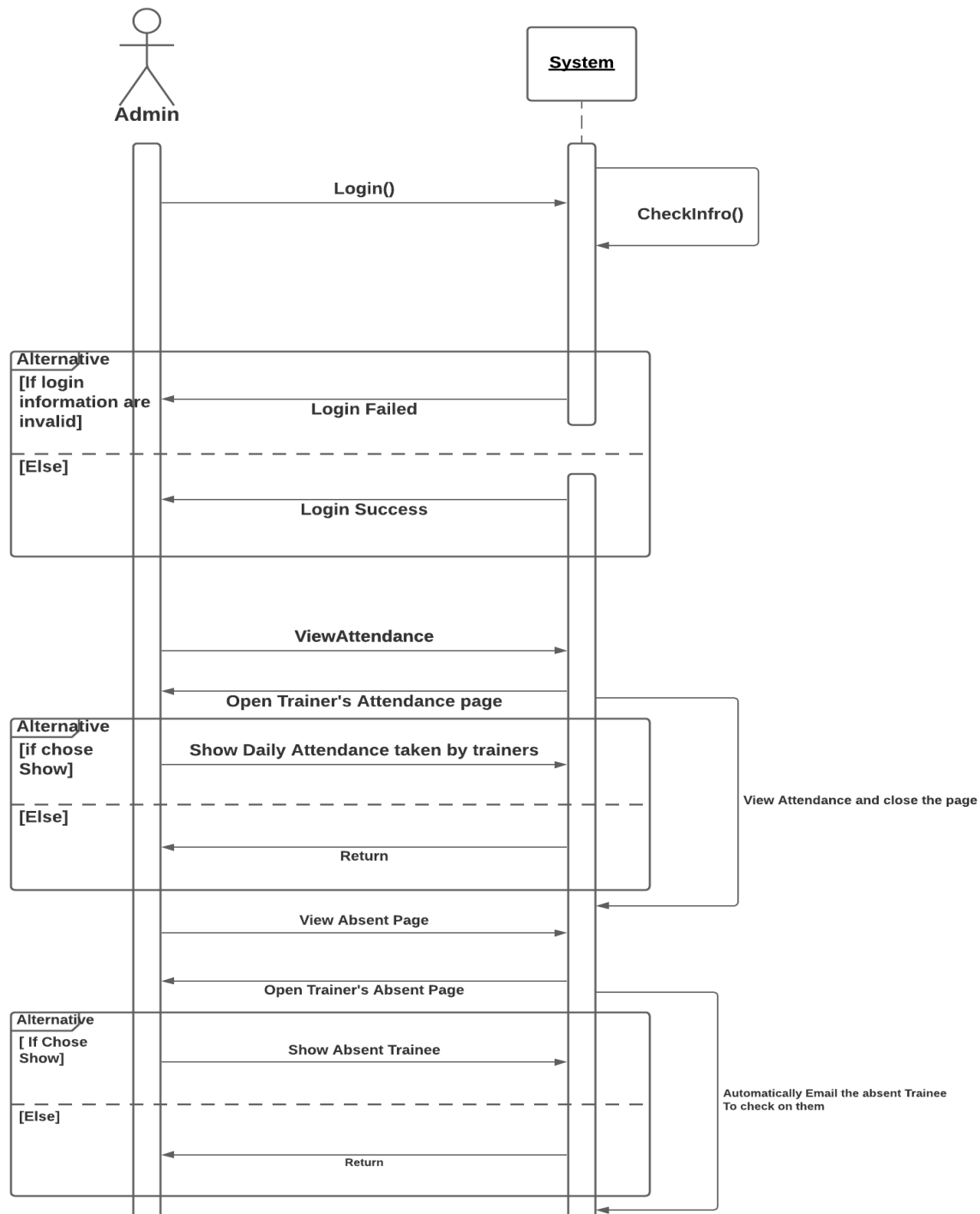
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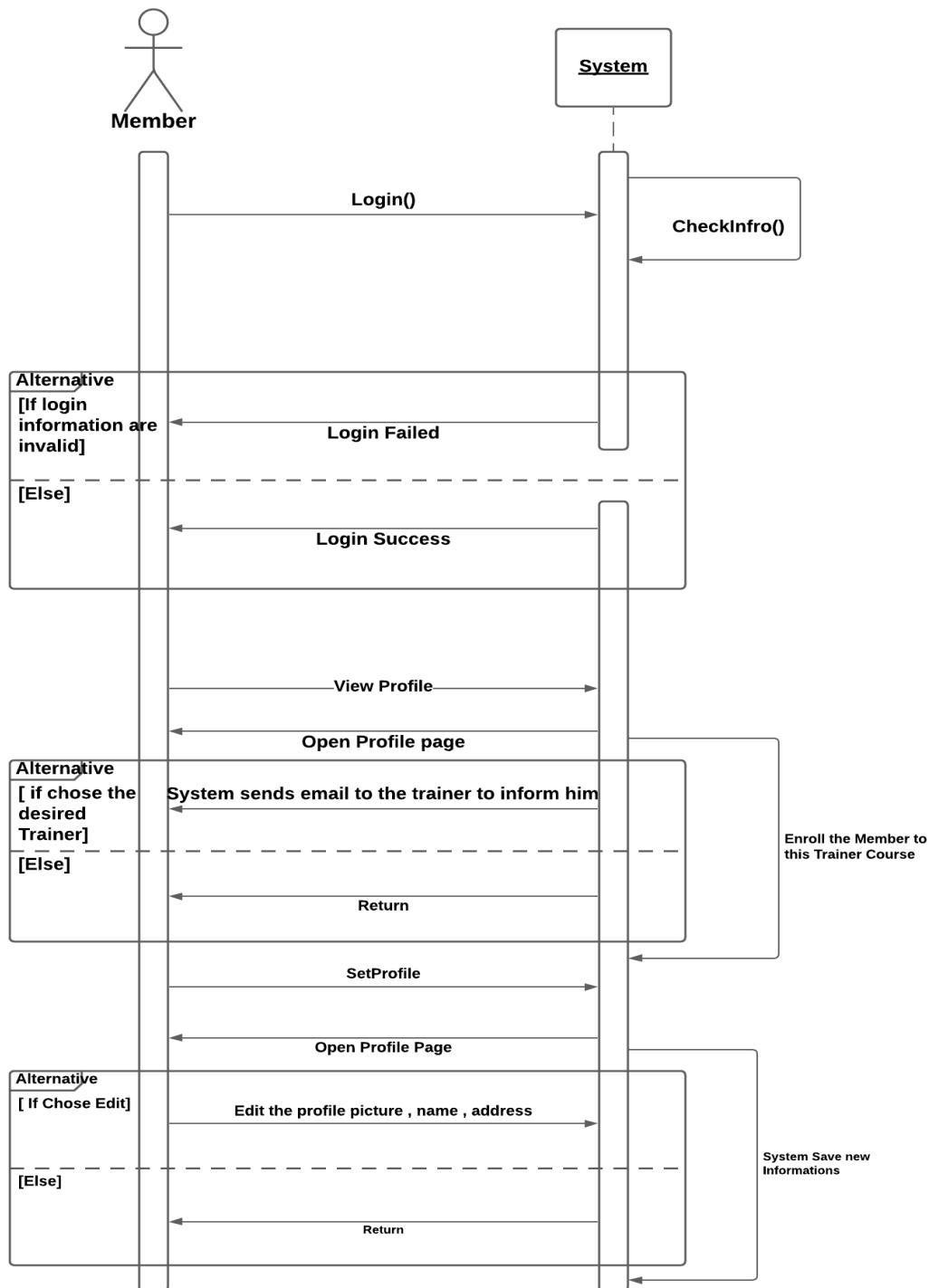
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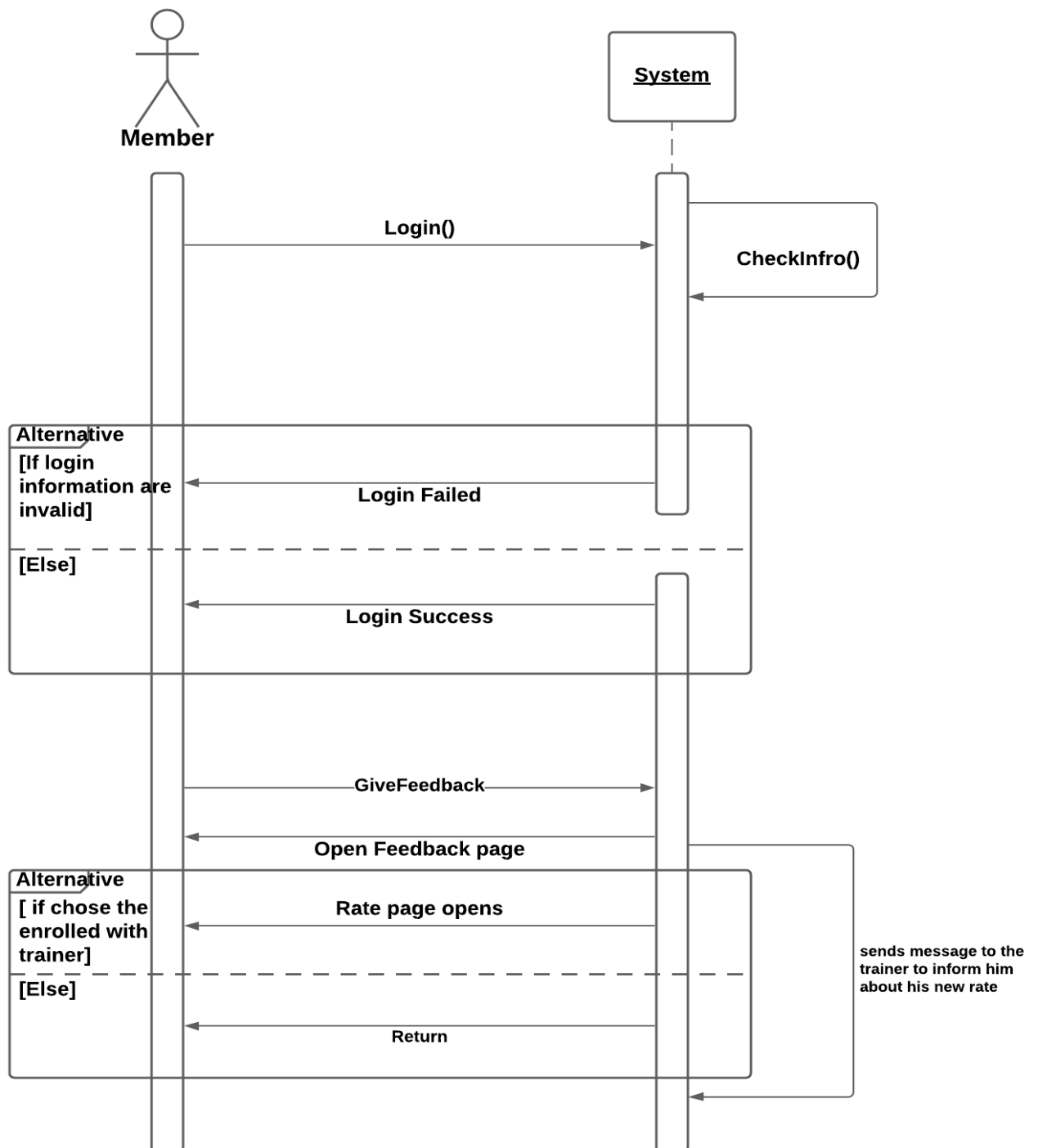
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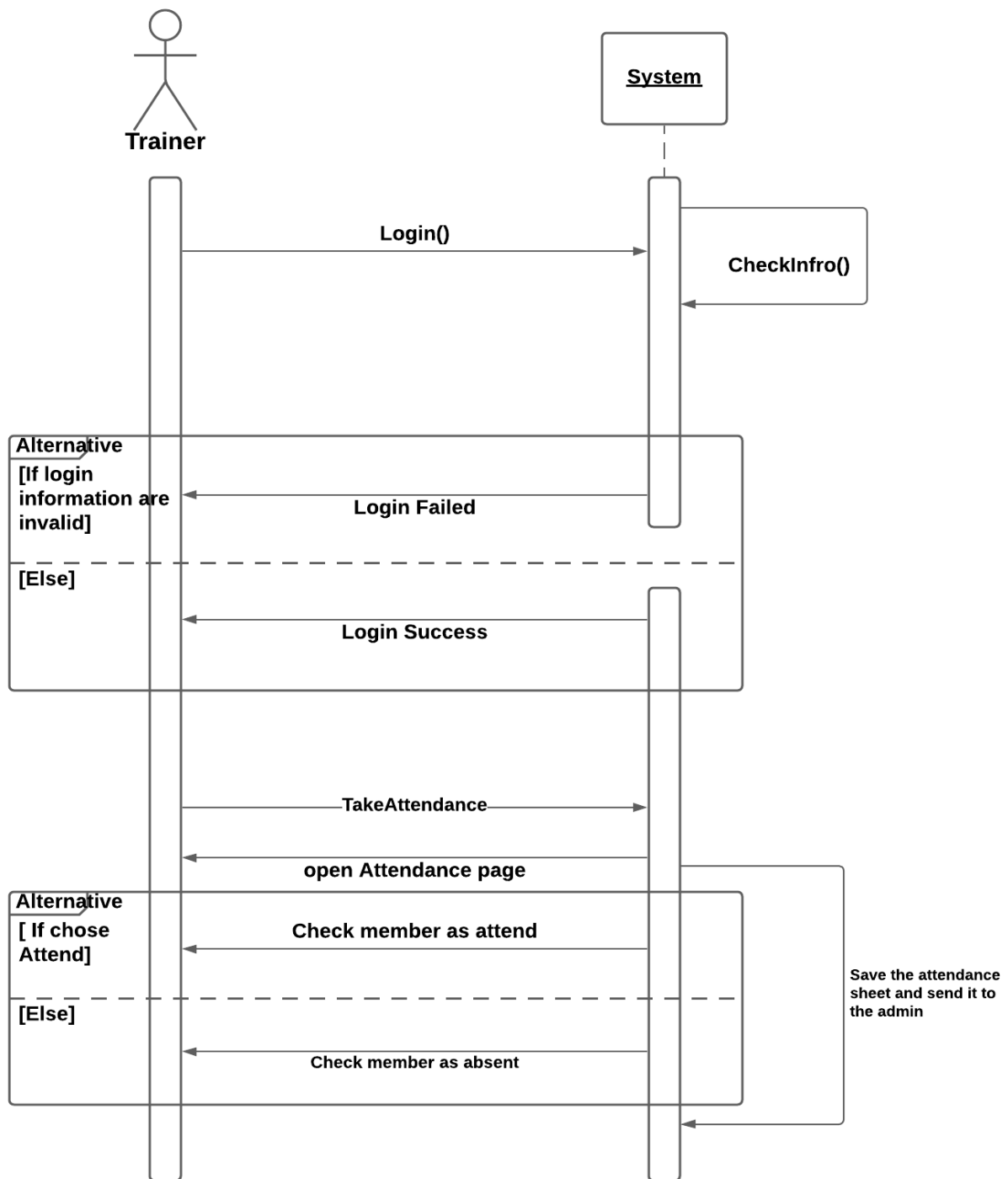
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Class - Sequence Usage Table

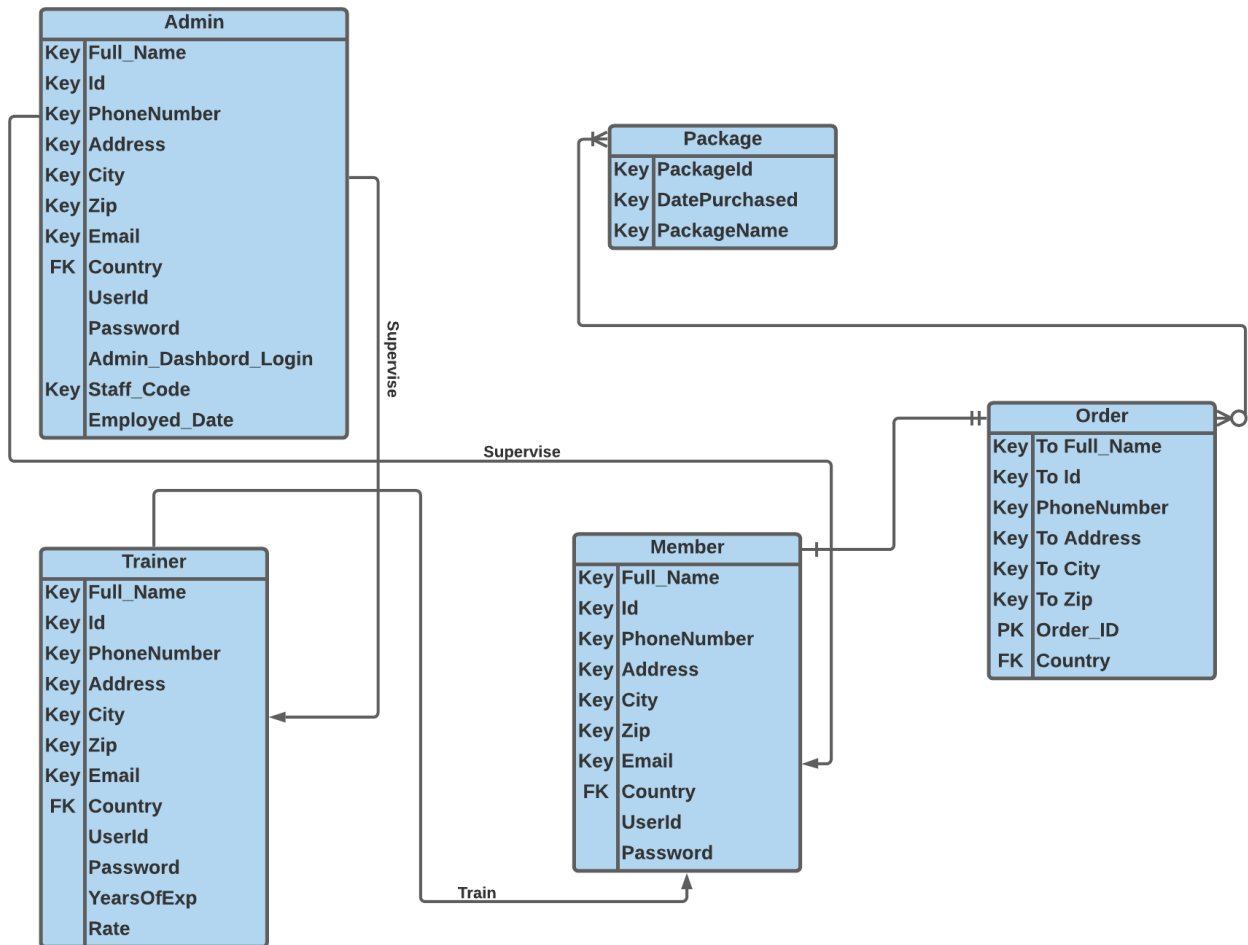
Class Name	Sequence Diagram	Overall used Methods
User	1	VerifyLogin()
Admin	2	VerifyLogin() , ManagePackage()
Admin	3	VerifyLogin() , ManageMemberDetails()
Admin	4	VerifyLogin() , ViewAttendance()
Member	5	VerifyLogin() , ViewProfile() , SetProfile()
Member	6	VerifyLogin() , GiveFeedback()
Trainer	7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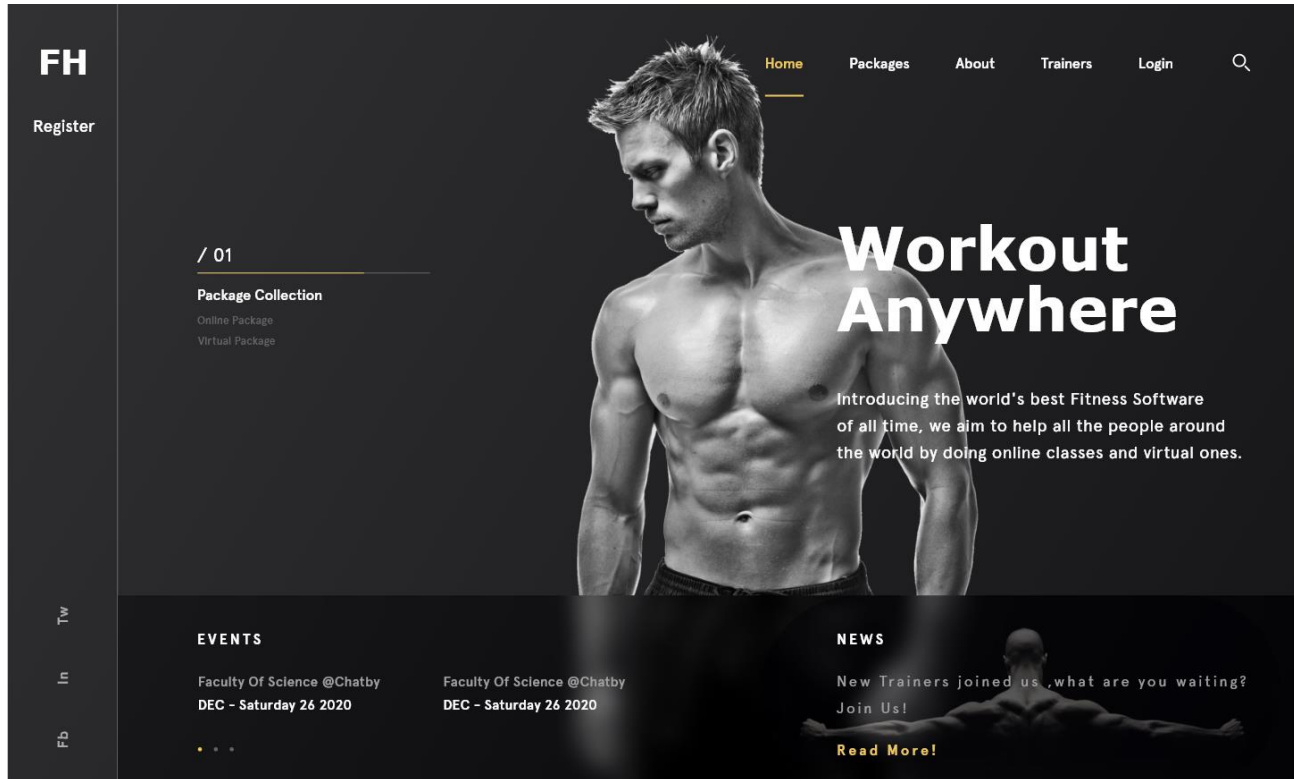
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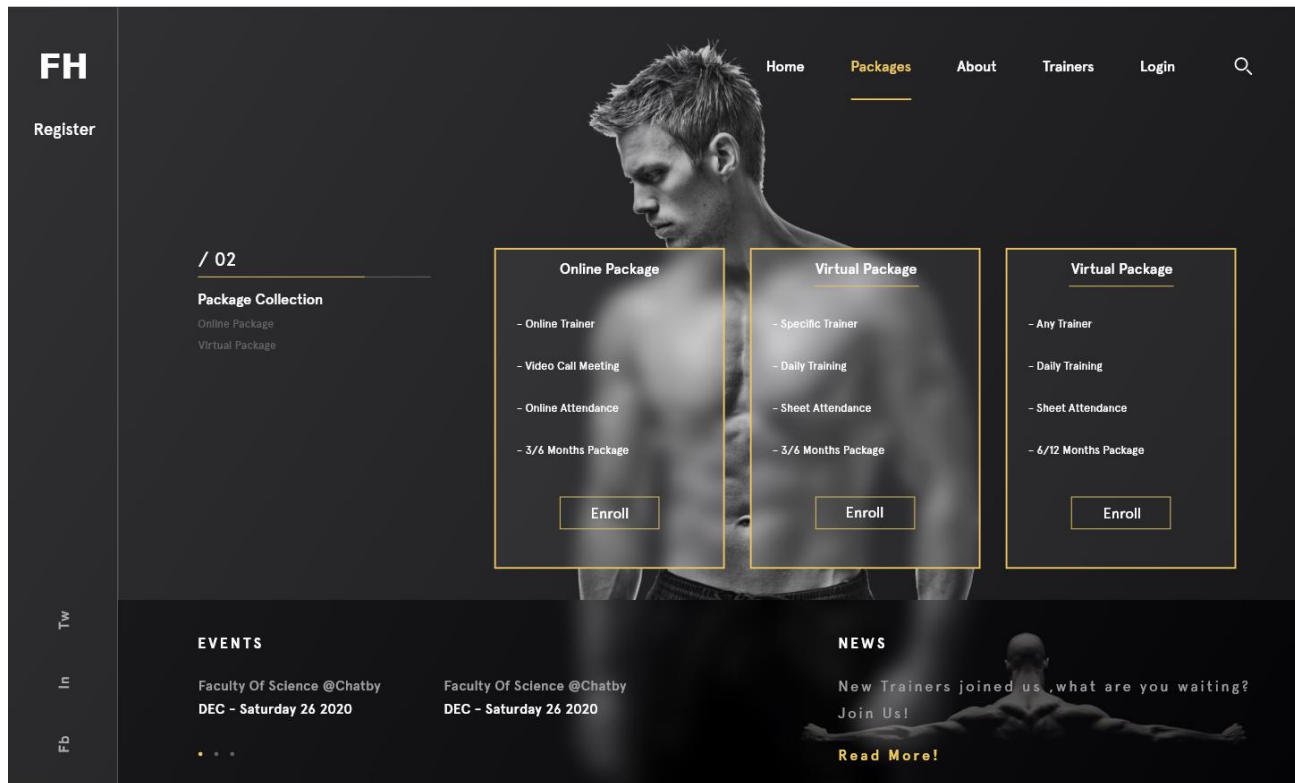
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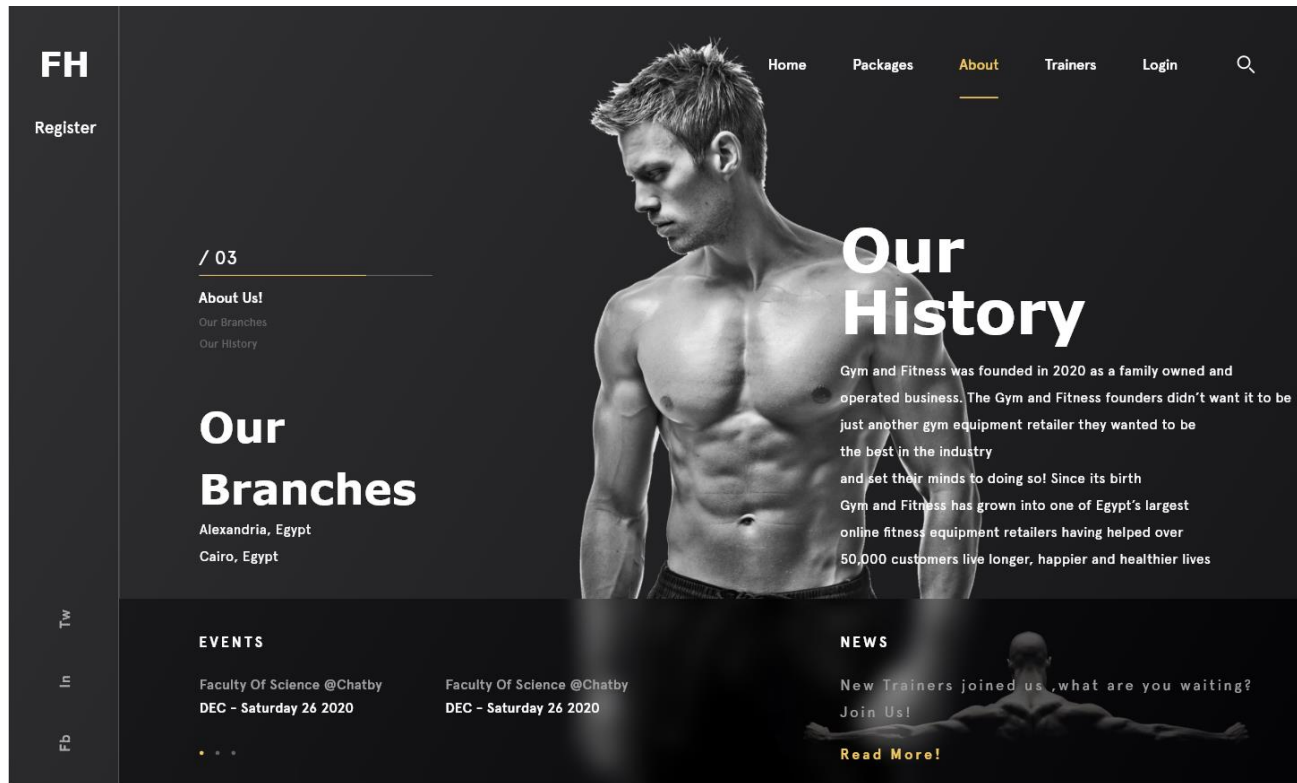
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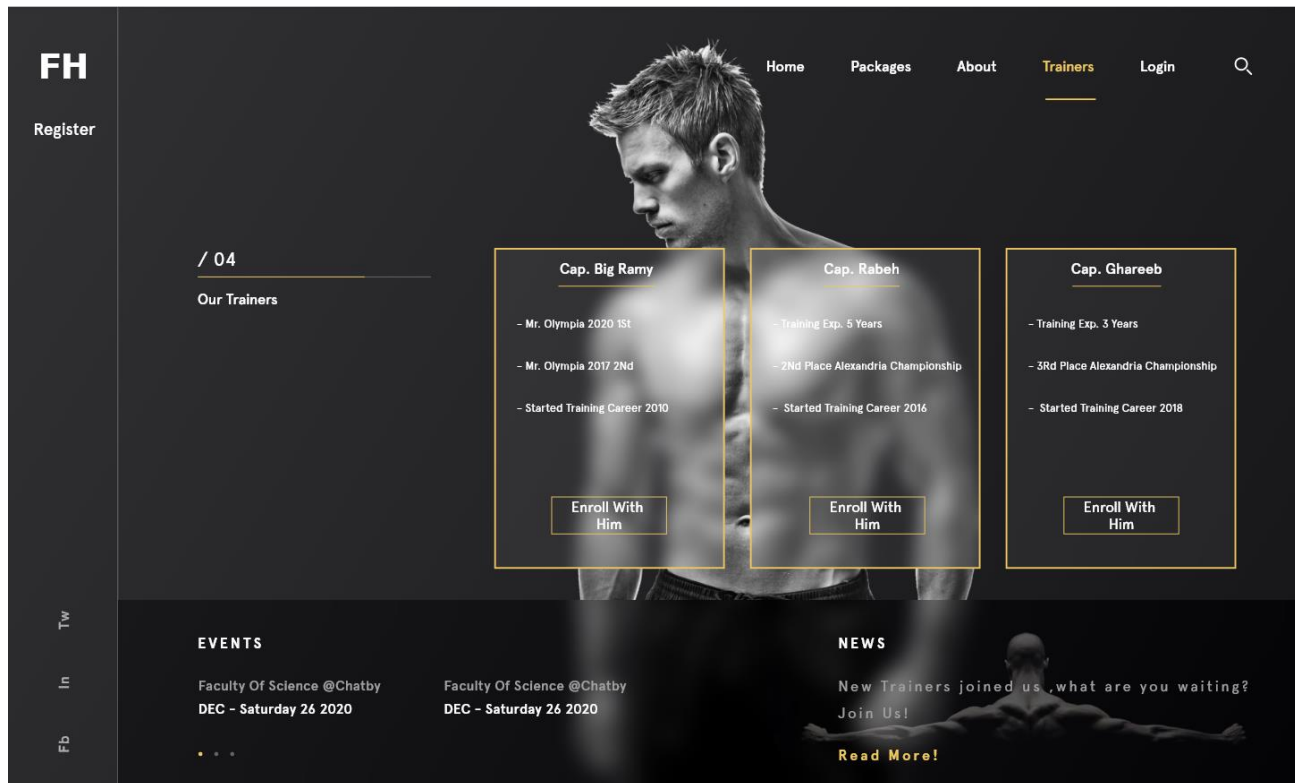
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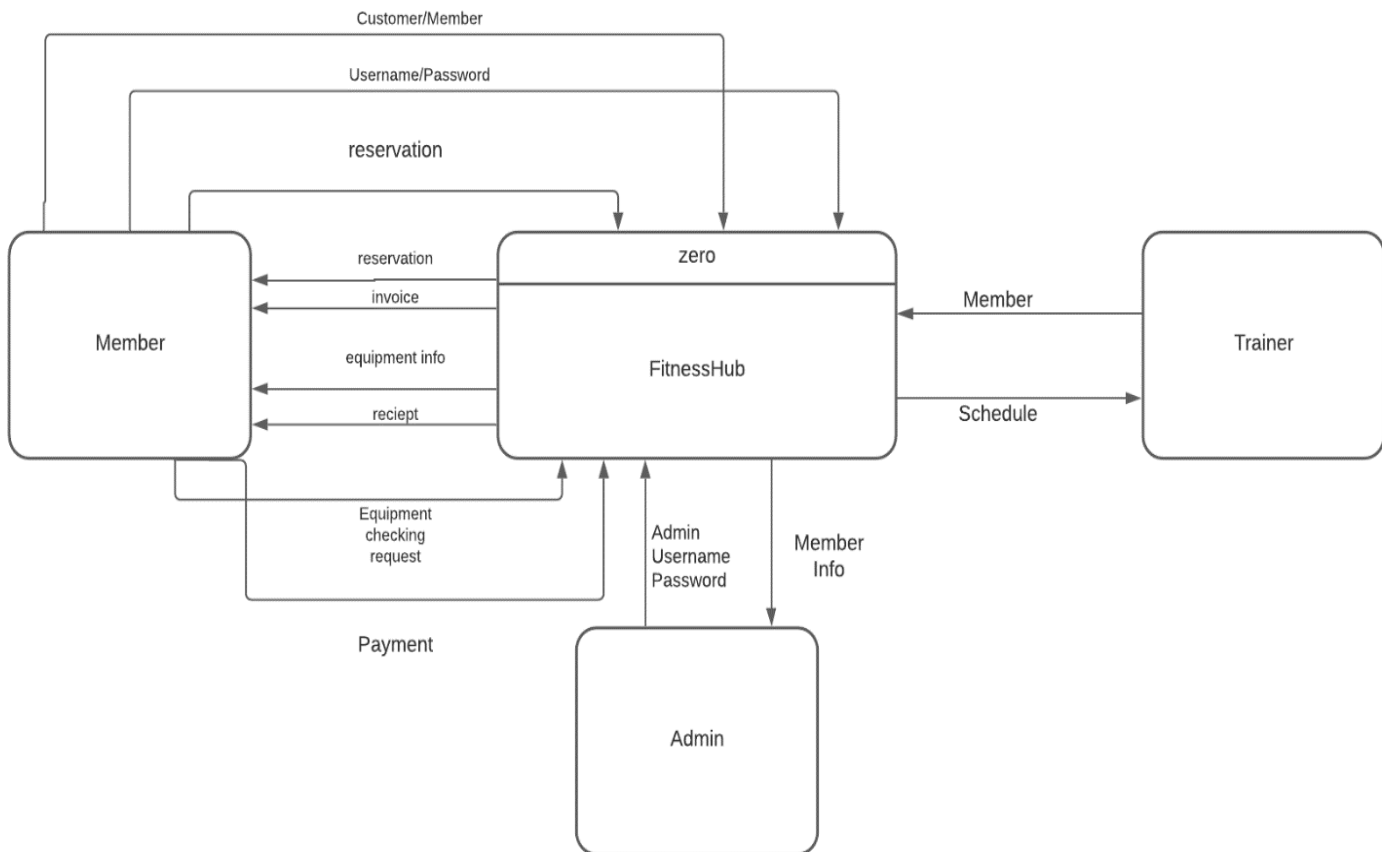


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V. Dataflow diagram (DFD)

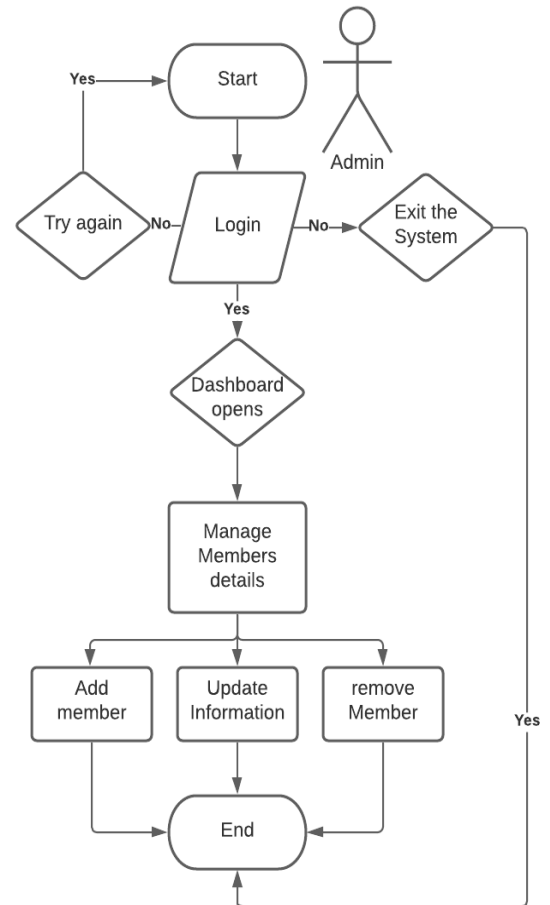
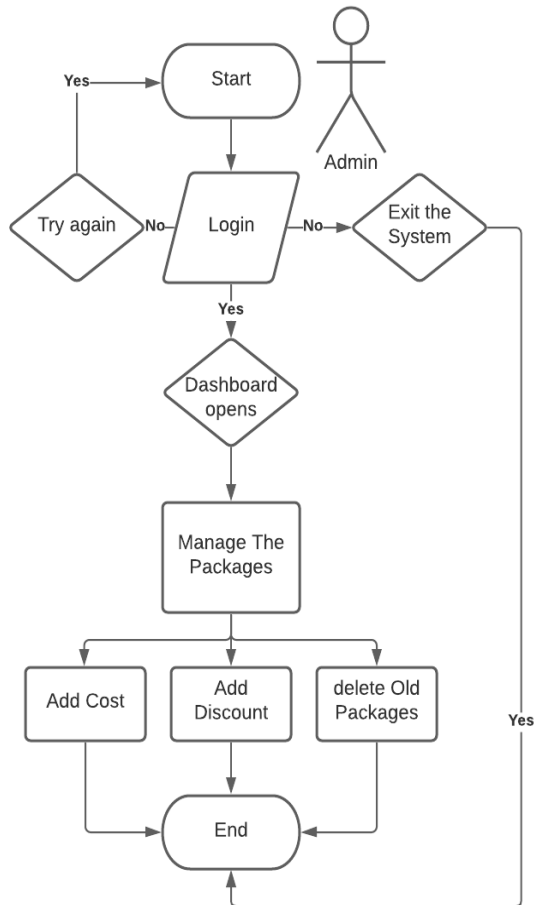


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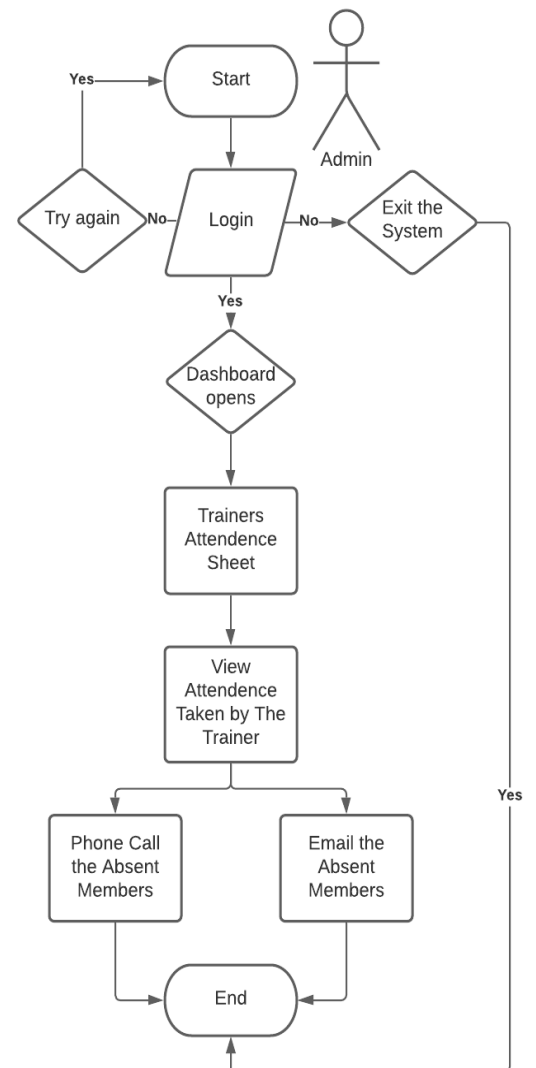
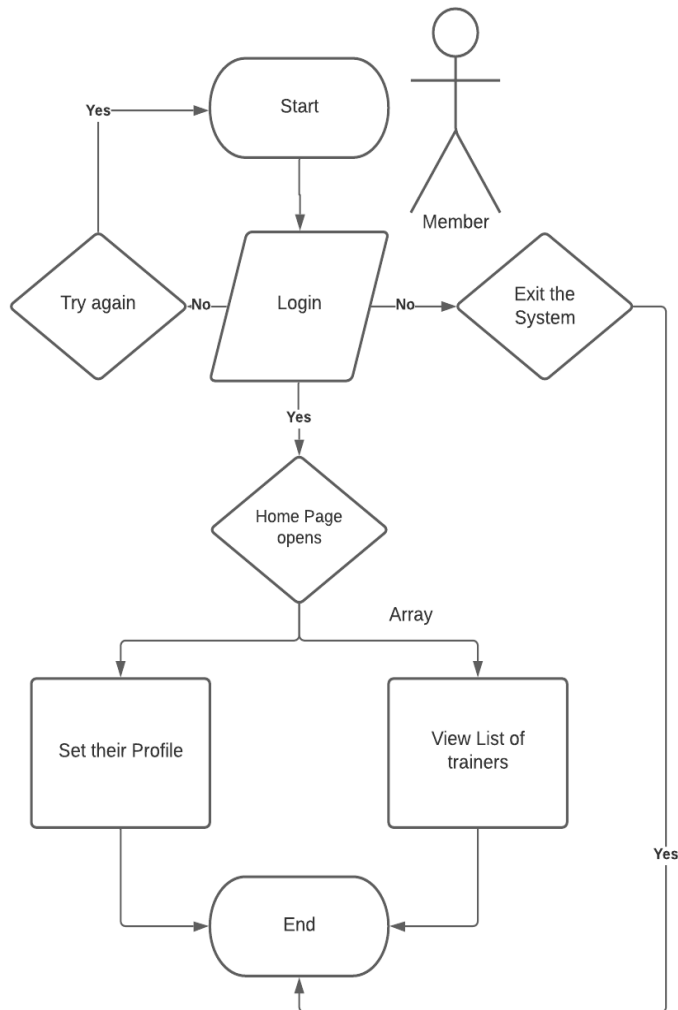
VI. Algorithms and Data Structures



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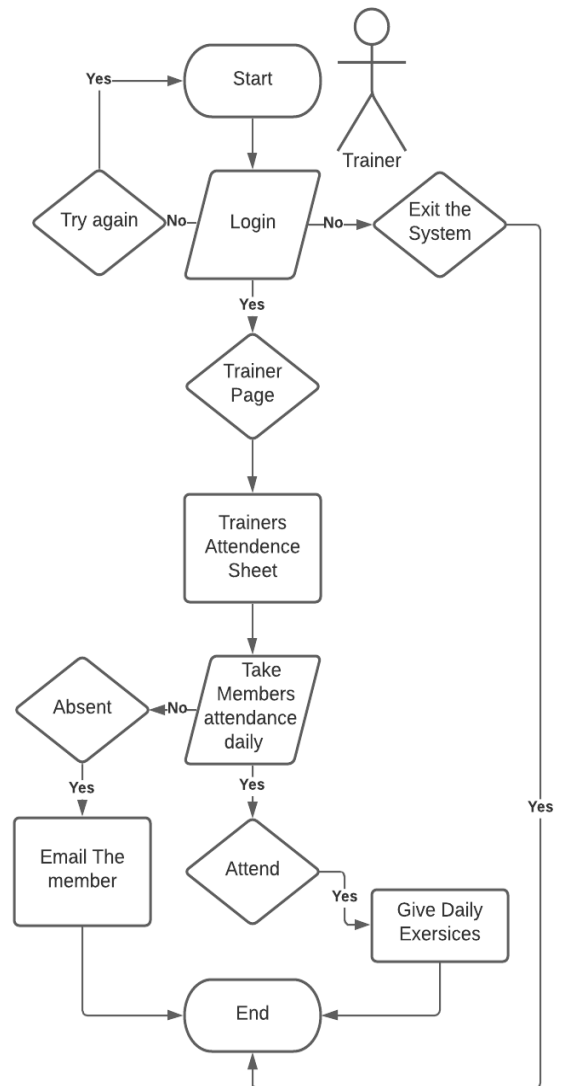
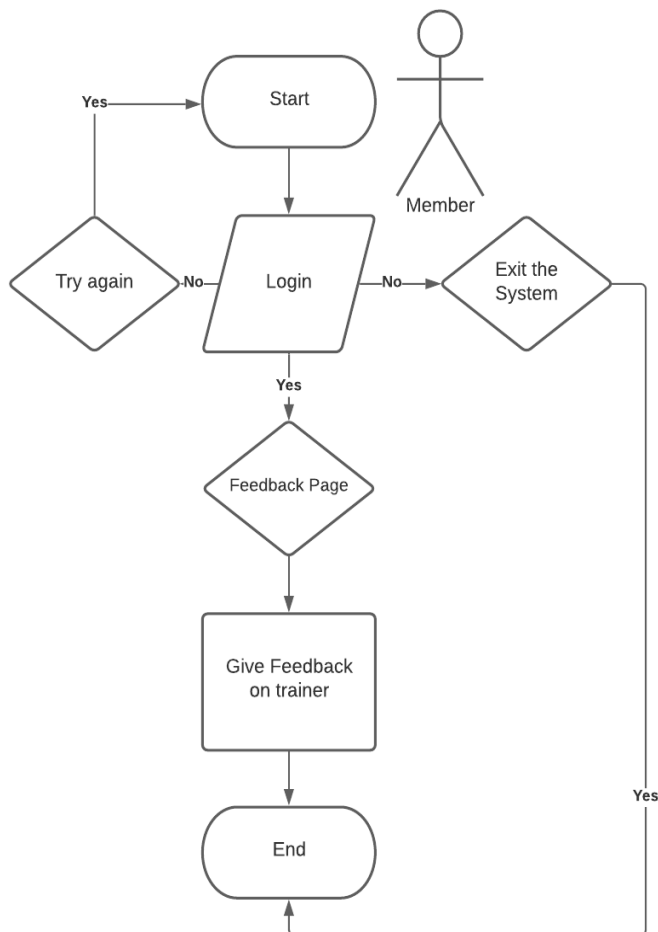
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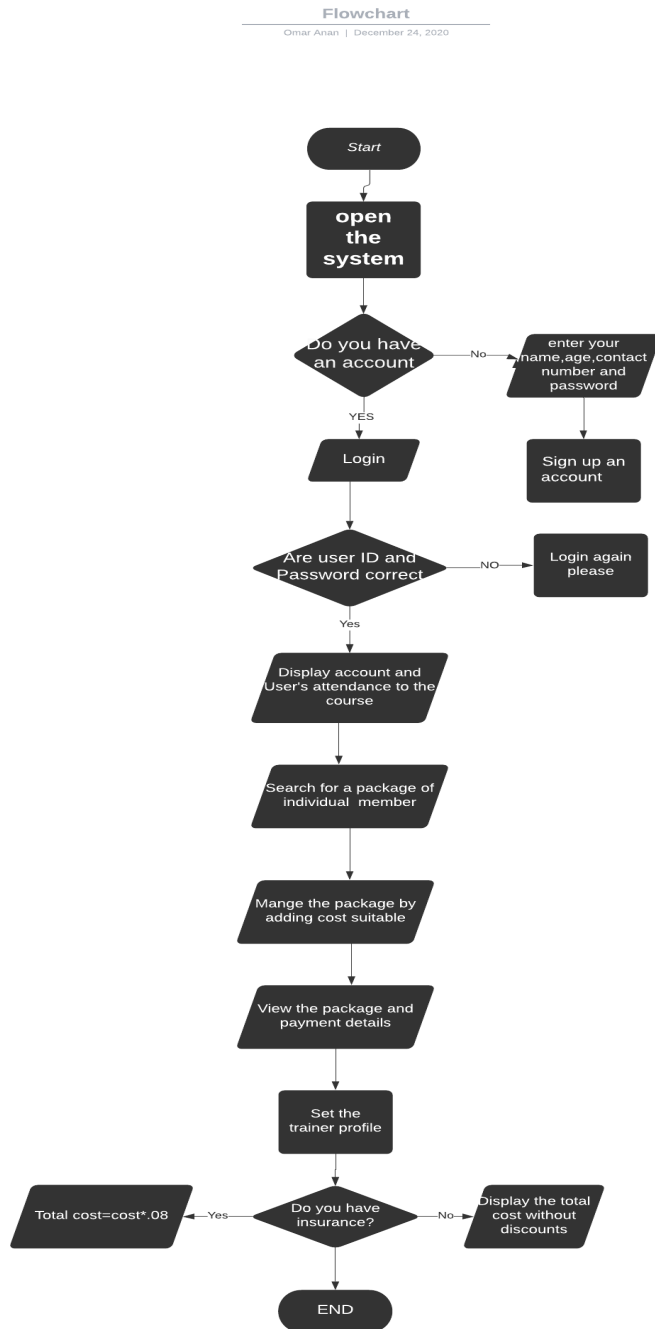


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Non-Sure about this system Flowchart



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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.**