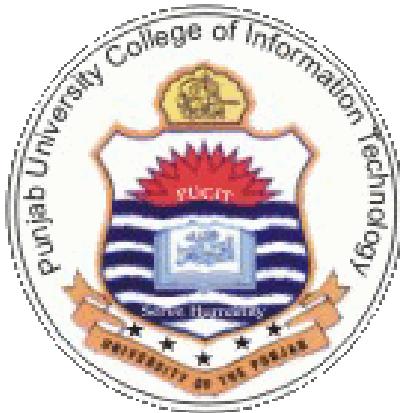


PUCIT
Punjab University College of Information
Technology

Final Documentation

Mentor-Hub



Team ID- BSEF20-14

Session: BS SE Fall 2020

Project Advisor: Dr. Madiha Khalid

Submitted By:

Mubashir Ali Shah Bsef20a017

Rizwan Abid Bsef20a006

Ayesha Bsef20a007

Neha Noveed Bsef20a026

Aiza Naseer Bsef20a036

Punjab University College of Information Technology University
of the Punjab, Lahore.

STATEMENT OF SUBMISSION

This is to certify that Mubashir Ali Roll No. bsef20a017, Rizwan Abid Roll No. bsef20a006, Ayesha Roll No. bsef20a007, Neha Noveed Roll No. bsef20a026 and Aiza Naseer Roll No. bsef20a036 have successfully completed the final project named as: Mentor-Hub, at the Punjab University College of Information Technology, University of the Punjab, Lahore, to fulfill the partial requirement of the degree of Bachelor in Software Engineering.

External Supervisor
Dr. Madiha Khalid
Assistant Professor
PUCIT

Acknowledgement

We truly acknowledge the cooperation and help make by **Dr. Madiha Khalid, Professor of Punjab University College of Information Technology.** She has been a constant source of guidance throughout the course of this project. We are also thankful to our friends and families whose silent support led us to complete our project.

Date:

June 5, 2024

Abstract

Mentor-Hub is a pioneering platform designed to bridge the gap between startup founders and experienced mentors, addressing the critical need for effective mentorship in the startup ecosystem.

Mentor-Hub aims to support both new entrepreneurs and seasoned mentors. Unlike existing mentorship platforms such as Growth Mentor, Mentor Pass, and Sparrow Mentor, which often require mentees to pay multiple times and lack comprehensive resource sharing, Mentor-Hub offers a streamlined payment system, free mentors' insights and extensive resources through a chatbot interface. Key features include personalized dashboards, a mentor advice for expert insights, a feedback-driven improvement system, and comprehensive user management functionalities.

The platform's global reach and commitment to accessibility ensure that startup founders worldwide can benefit from high-quality mentorship regardless of their location or educational background. Mentor-Hub's detailed system specifications outline essential requirements such as user registration, communication tools, payment processing, and mentor insight, all designed to enhance the mentorship experience and foster successful startup growth.

Table of Contents

1- Introduction	1
1.1- Project Title	1
1.2- Project Overview Statement	1
1.3- Project Goals and Objective	3
1.4- High-level System Components	3
1.5- List of Optional Functional Units	4
1.6- Exclusions.....	5
1.7- Application Architecture	5
1.8- Hardware and Software Specifications.....	5
1.9- Introduction to team Members and their Skill Set.....	6
1.10- Tools and Technologies Used.....	6
2- Requirement Analysis and Planning.....	8
2.1- Project Feasibility Report	8
2.1.1 Technical Feasibility.....	8
2.1.2 Operational Feasibility.....	8
2.1.3 Economic Feasibility	8
2.1.4 Schedule Feasibility	8
2.1.5 Specification Feasibility.....	8
2.1.6 Information Feasibility.....	9
2.1.7 Motivational Feasibility	9
2.1.8 Legal & Ethical Feasibility	9
2.2- Project Scope	9
2.3- Vision Document.....	10
2.4- Risk List.....	10
2.5- Project Costing	10
2.6- CPM- Critical Path Method.....	11
2.7- Gantt Chart	14
2.8- System Introduction.....	18
2.8.1 System Specification.....	18
2.8.2 Identifying External Entities	21
2.8.3 Context Level Data Flow Diagram	22

pg. vi

2.8.4 Capture “shall” Statement.....	22
2.8.5 Allocate Requirements.....	24
2.8.6 Prioritize Requirements	25
2.8.7 Requirements Trace-ability Matrix.....	26
2.9- High-Level Use Case Diagram.....	28
3- Design and Architecture	29
3.1- Detailed Use-Case Diagram	31
3.2- Use-Case Description	33
3.3- Domain Model.....	45
3.4- Sequence Diagram	46
3.5- Operation Contracts	48
3.6- Collaboration Diagram	52
3.7- Design Class Diagram	57
3.8- Data Model	58
4- Prototypes	59
5- UI / UX	67
7- Code URL.....	76
6- Conclusion & Future Work	78

Chapter 1

Introduction

1 Introduction

In today's dynamic start-up landscape, finding trusted mentors can be a challenge. That's where the Mentor-Ship Platform comes in. We connect aspiring founders with experienced mentors who can provide them with the guidance and support they need to succeed.

Our mission is simple, to bridge the mentorship gap and empower entrepreneurs. We do this by providing a platform where founders can find mentors who match their needs and goals. We also offer a variety of resources and tools to help founders build relationships with their mentors and get the most out of their mentorship experiences.

Our vision is to provide a clear roadmap of project within the Mentor-Hub platform, ensuring shared objectives, risk assessment, and the financial framework for detailed planning. As we embark on this journey, **the dynamic vision** of Mentor-Hub continues to evolve, guided by an unwavering commitment to delivering value to both mentors and business startups.

1.1 Project Title

MENTORHUB.

1.2 Project Overview Statement

Our "Mentor-Ship Platform" project is on a mission to transform the world of startups by connecting new founders with experienced mentors. This innovative platform seeks to bridge the gap in mentorship, making it easier for aspiring startup founders to access valuable guidance.

Our goal is to foster a supportive community where everyone can learn from one another and collaborate to turn their startup ideas into reality by seeking guidance from experienced mentors. By leveraging cutting-edge technology, we aim to create valuable resource that empowers the next generation of entrepreneurs, fuels economic growth, and revolutionizes the way startups are nurtured.

This project goes beyond technology; it's about shaping the future of entrepreneurship in a meaningful and impactful way.

Project Title:	Mentor-Hub
Group Leader:	Mubashir Ali
University Address:	Punjab University (old campus)
Project Goal:	The goal of this project is to create a website platform that connects aspiring start-up founders or entrepreneurs with industrial expert mentors, who have a proven track record of success in the start-up world.

The primary goal of this platform is to help entrepreneurs overcome the challenge of building and growing their start-up.	
Target End users:	
<ol style="list-style-type: none"> 1. Start-up Founders 2. Experienced mentors 	
Project Success criteria:	
<p>Our project's success hinges on three core criteria: fostering valuable mentor-founder connections, boosting entrepreneurial growth, and enhancing knowledge sharing.</p> <p>We will gauge this success by monitoring user engagement, mentorship interactions, and positive feedback.</p> <p>Ultimately, our platform's impact on start-up success will be the yardstick for its effectiveness.</p>	
Assumptions:	
<ul style="list-style-type: none"> • Availability of willing mentors. • Active user engagement. • Quality mentorship provision. • Positive user reviews. • Adequate technical resources. 	
Risks:	
<ul style="list-style-type: none"> • Mentor shortage. • Low user engagement. • Mentor quality concerns. • Negative mentor reviews. • Technical challenges. 	
Obstacles:	
<ul style="list-style-type: none"> • Mentor recruitment. • User adoption. • Continuous improvement. • Algorithm development. 	
Type of project:	Development
Development Technology:	Object Oriented
Platform:	Web based

1.3 Project Goals and Objectives

Goals:

The goal of this project is to create a website platform that connects aspiring start-up founders or entrepreneurs with industrial expert mentors, who have a proven track record of success in start-up world.

The primary goal of this platform is to help entrepreneurs overcome the challenge of building and growing their start-up.

Objectives:

Our objectives are to build a website that work as a bridge between mentor and mentee to create a meaningful relationship between mentors and start-up founders. The start-up founders can easily discover and connect with suitable mentors and can communicate to get timely advice and guidance from mentors. Website will enable easy discovery and connections, real time communication, Free advices, Payment and other features.

- Overall, the objective/goal of the platform is to help start-up founders to overcome the challenges which they face, by providing valuable advice, guidance and resources at all stages of their entrepreneur's journey. This can have an impact on economy and society as a whole.

1.4 High-level system components

No.	Components	Description
1	Mentee and Mentor Profile Management Component	<ul style="list-style-type: none">• This component manages the creation and maintenance of user and mentor profiles. It stores information about users' goals, skills, and expertise, as well as mentors' background, year of experience and expertise.• User can create, view and update its personal profile.
2	Search and Discovery Component	<ul style="list-style-type: none">• This component allows users to discover mentors based on their needs and preferences. User will also be able to search advices of multiple mentors.
3	Dashboard Component (Mentor, Mentee)	<ul style="list-style-type: none">• Provides personalized dashboards for both mentee and mentors.• Allows users to track their interactions, access resources, and receive

		notifications about new opportunities.
4	Communication and Messaging Component	<ul style="list-style-type: none"> Facilitates real-time messaging and communication between mentees and mentors.
5	Payment and Billing Component	<ul style="list-style-type: none"> This component facilitates payments for mentor services. It may use a third-party payment processor or develop its own payment processing system.
6	Mentorship Advice Component	<ul style="list-style-type: none"> Facilitates guidance within the community by providing a "Mentor Advice Hub" Users can search and read the advice and insights of multiple mentors on various start-up topics
7	Services Component	<ul style="list-style-type: none"> There is also a services component which is dynamic, admin can add services and can update and delete services.
8	Feedback and Reporting Component	<ul style="list-style-type: none"> Gathers user feedback on the quality of mentorship and platform performance. Utilizes feedback to continuously improve the platform. All mentor's favourite and exciting reviews section

1.5 List of optional Functional unit

In addition to above mention all features; we will also try to cover three more useful functionalities in our Mentorship Platform:

1. Interactive Forums and Discussions:

Enable founders and mentors to engage in vibrant discussions, share ideas, seek guidance, and collaboratively solve challenges.

2. Availability Calendar (Web scraping) :

This can be used to keep track of mentors' availability, events, or speaking engagements by scraping event websites like Google calendar. Streamlining mentor-mentee matching and enhancing overall efficiency

3. Recommendation of Founder-Mentor Matchmaking (Machine Learning)

Implement an algorithm that suggests suitable mentors to founders based on their goals, skills, and expertise. This enhances the matchmaking process and helps founders find the right mentor.

1.6 Exclusions

Due to time limit and rich functionality of our Mentorship Platform, we will be able to deliver only **High-level system components** of our Platform mentioned above.

- Web Scrapping functionality which is **Web Scraping for Reviews**
- Where Founders can leave reviews and ratings for their Mentors. This feature will help New Founders to find best Mentor and help to make informed decisions from ratings and reviews of specific Mentors given by previous Founders.

1.7 Application Architecture

In our Mentorship Platform we will use **MVT Architecture pattern** of Django for development due to responsible for handling presentation and rendering pages, clear separation of concerns, making it easier to maintain and scalability of Platform easily and also reusability of components.

- React (Front End)
- Python Django (Back End)
- SQLite (Database)

1.8 Hardware and Software Specification

Hardware:

- Desktop/Laptop
- Ram of 500mb
- Free storage memory capacity of more than 100mb

Software:

- Windows/ android/ Linux/ mac/ chrome or any other operating system
- Mozilla Firefox / Google chrome / opera mini / UC browser or internet explorer

1.9 Introduction to Team member and their skill set

Names	Roll Numbers	Skills	Description
Mubashir Ali	BSEF20A017	▪ React ▪ Django ▪ SQLite	High Expertise in backend Framework of Python Django
Rizwan Abid	BSEF20A006	▪ React ▪ Django ▪ SQLite	Good grasp of Technology of React Framework
Ayesha Khan	BSEF20A007	▪ React ▪ Django ▪ SQLite	Expertise in frontend and backend Framework of Python Django
Neha Noveed	BSEF20A026	▪ React ▪ Django ▪ SQLite	High Expertise in backend and frontend Framework of Python Django
Aiza Naseer	BSEF20A036	▪ React ▪ Django ▪ SQLite	High Expertise in backend and frontend Framework of Python Django

1.10 Tools and technologies used with reasoning

Tools:

Tools	Reason for Using
PyCharm	Use as IDE for backend (Django) development.
Postman	Use for backend API testing.
VS Code	Use as IDE for front end development using React.
GIT and GitHub	Use for collaboration of team.
MS Word	Use for documentation.
Figma	Use for Screen's design/Prototyping.
Lucidchart	Use for Pictorial representation of Mentorship Platform.

Technologies:

Technologies	Reasons for Using
SQLite	Use for database management
Django	Use for backend development
ReactJS	Use for frontend development
RESTful API	Use to enable communication and data exchange between a client (such as a web browser) and a server.

Chapter 2

Requirement Analysis & Planning

2.1 Project Feasibility Report

The project feasibility report assesses viability and practicality, analyzing key components for a well-rounded solution. It aims to streamline and automate mentorship services, catering to both mentors and startup users.

2.1.1) Technical Feasibility

The technical feasibility depends upon the implementation of functional requirements, so our features are technically feasible.

Our chosen **software development tools** like Visual Studio Code, PyCharm, and MySQL ensure smooth integration. With prior experience in Python web development, our team will efficiently implement the mentor hub, ensuring technical feasibility within optimal cost and time.

Overall, the **mentor hub is technically feasible** and will be implemented within optimal cost solution and in time by altogether team effort.

2.1.2) Operational Feasibility

We're creating a website to connect new entrepreneurs with experienced mentors. Our system provides real-time communication with multiple experts, resource sharing including documents and advice throughout their entrepreneurial journey.

According to requirements of project, **our team will complete this project** on time.

2.1.3) Economic Feasibility

MentorHub is designed for **accessibility and cost-effectiveness**, operating smoothly on various devices (desktop, laptops and smartphones) without external hardware requirements. MentorHub ensures accessibility across devices and generates revenue through subscription plans. By connecting entrepreneurs with mentors, it reduces failure risks and fosters growth, offering a win-win solution for all stakeholders.

2.1.4) Schedule Feasibility

With **8-months project timeline**, we have ample time for requirement analysis, design, comprehensive development, testing, and meticulous refinement.

Our project activities have been thoroughly analyzed and scheduled, with a focus on real-world scenarios and the importance of meeting deadlines and milestones, as indicated in the provided Gantt chart. As a result, **we anticipate no delays in the project schedule**.

2.1.5) Specification Feasibility

The specification feasibility of the MentorHub project depends on the **clarity and correctness of the requirements**. Our website will achieve user satisfaction because we

are very clear about the user's requirements. Mentor Hub project requirements are complete, clear and **realistically achievable**.

MentorHub offers diverse features for profile management, mentor matching, real-time communication, and resource management, with feedback mechanisms for improvement. Challenges include securing mentor participation and user engagement. However, MentorHub is poised to be a valuable resource for startup founders and mentors, with its broad scope and commitment to accessibility setting it apart in the startup community.

2.1.6) Information Feasibility

Information feasibility is a **critical aspect** of the MentorHub project. It focuses on ensuring that the data and **information** within the platform are **complete, reliable, and meaningful**. All the information regarding to this application development has been researched.

By maintaining high standards of information feasibility, MentorHub ensures that users can rely on the platform's data for informed decision-making, thus enhancing the overall quality of the mentorship experience. The information we've gathered is **good enough, dependable, and meaningful** for building our application with all its features.

2.1.7) Motivational Feasibility

The Mentorship Platform complements broader objectives and benefits, motivating everyone involved to **work hard and achieve goals**. The platform's vision aims to make a real difference in start-up businesses and society by covering basic needs like financial stability and helping people achieve their dreams. It also **promotes teamwork**, with mentors and users working together to set and reach goals, boosting motivation and providing valuable advice. The valuable advice of mentors keeps entrepreneurs going and **reduces losses**.

2.1.8) Legal & Ethical Feasibility

The Mentor-Hub platform is designed to comply with all applicable **laws and regulations**, including data privacy, intellectual property, and user protection. The platform will maintain user privacy by collecting and storing personal data for profiles, and will not infringe on the intellectual property rights of mentors. The platform's Chat-bot will ensure secure communication between mentors and mentees, and will connect mentees with trusted and legal mentors. The subscription or **payment method** will be legal and secure.

2.2 Project Scope

The **scope of Mentor-Hub** is to create a **global online mentoring platform** that targets start-up founders. It aims to empower them throughout their entrepreneurial journey by connecting them with experienced mentors.

The **platform offers** essential services and resources within its scope to foster meaningful mentor-founder relationships, promote knowledge sharing, and facilitate collaboration. Its objective is to help entrepreneurs achieve their goals, ensuring accessibility to users worldwide, **regardless of their location or educational background**.

2.3 Vision Document

Our vision is to create a dynamic software platform connecting mentors with startup founders, facilitating clear communication and consensus. **Our project vision remains flexible**, we prioritize identifying and addressing core challenges, ensuring stakeholder involvement, and continuously validating features to meet evolving needs.

Additionally, our vision underscores the importance of identifying and **addressing the root issues behind the challenges mentors and business startups encounter**. It emphasizes a shared understanding of the system's scope, involving all relevant stakeholders. By continuously exploring and validating constraints and features, our vision ensures that the software will effectively meet the identified needs and constraints. This vision is a driving force for a **successful partnership between mentors and startups**.

2.4 Risk List

- Poor/Failure of **Internet** Connection.
- Mentor **shortage**
- There can be **risk in resources** of mentors, if the resources are not up-to-date and valuable to users.
- There can be risk if the mentor is **not available to the user after payment** and the user can't access the resources of the mentor.

2.5 Project Costing

Project Cost Estimation by using COCOMO'81:

COCOMO stands for Constructive Cost Model, and it is a widely used software cost estimation model.

We decided to use the COCOMO '81 model to figure out how much our Mentorship Platform website will cost and how much effort it will take to build it. We picked the "**Semidetached**" development type because our website has a big codebase with 13,000 lines of code (KLOC). This choice helps us estimate how much work and money it will take to make the website. It will help us make good decisions, use our resources wisely, and make sure we finish the website on time and within our budget.

Basic COCOMO (Semidetached)

Effort :

$$PM = 3.0 \text{ (KLOC)} ^ {1.12} \quad (\text{KLOC represents thousands of lines of code.})$$

$$PM = 3.0(12) ^ {1.12}$$

$$PM \approx 48.5 \quad (\text{PM is measured in person-months.})$$

Schedule:

The schedule is determined using the Basic COCOMO schedule equations.

$$\begin{aligned} TD &= 2.5(\text{PM})^{0.35} \\ &= 2.5(48.5)^{0.35} \end{aligned}$$

$TD \approx 8.8$ months
(TD is the time required for project completion.)

People Required = Effort / Duration

$$\text{People Required} = 48.5 / 8.8$$

$$\text{People Required} = 5$$

- This means that we would need approximately **5 people** working on the project to complete it in about 8.8 months considering 7 days per week.
- The number of days in 8 months can vary between 265 days.
- For **Business days** (5 days per week)
When considering only 5 days per week (5-day workweek), it would take about **6.6 months**, which is approximately **198 days**.

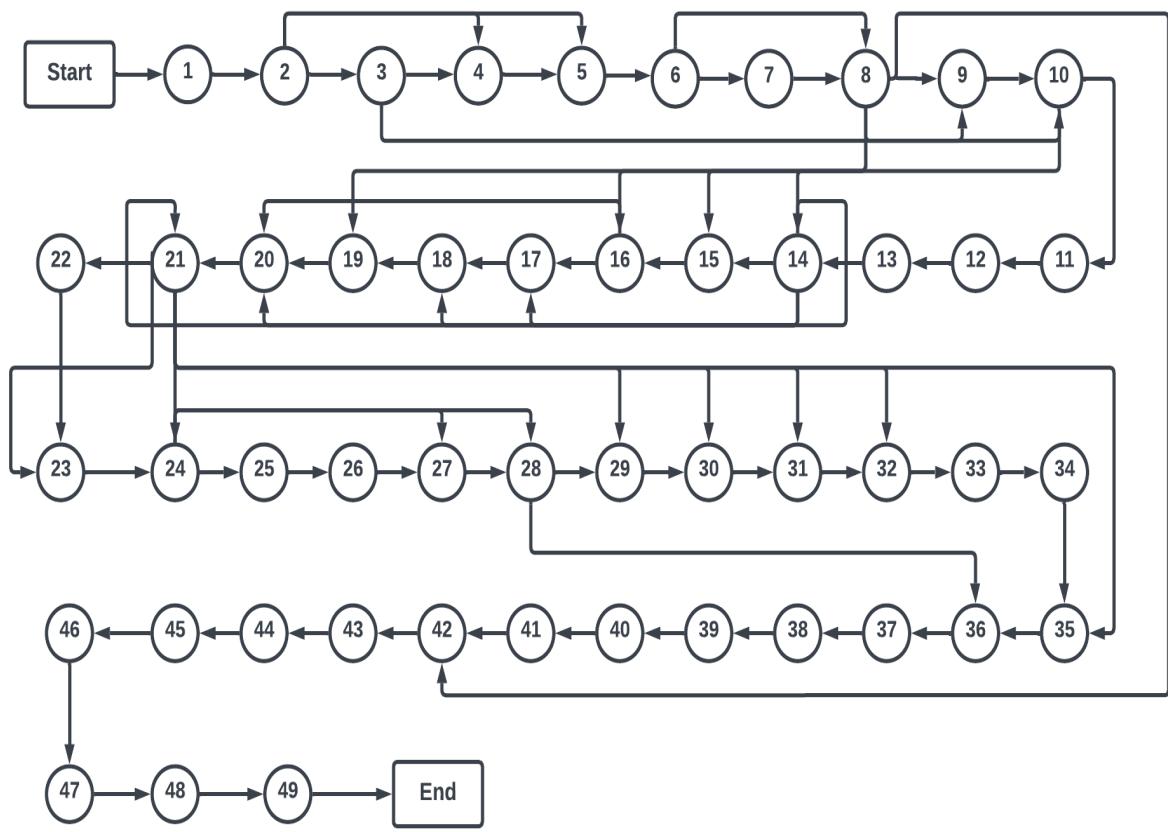
2.6 CPM - Critical Path Method

Seq. ID	Activity Description	Predecessors	Duration
1.	Selection Of FYP Idea	-	1
2.	Defining Features List	1	2
3.	Team Collaboration Meeting	2	1
4.	Instructor Consultation	2	1
5.	Defining Project Goals And Objectives	2	1
6.	Identifying And Finalizing High-Level System Components	5	1
7.	Determining Optional Functional Units	2,6	1
8.	Defining Project Overview Statement	6	1
9.	Specifying Hardware And Software Requirements	3	1
10.	Gantt Chart Development	8	1
11.	Proposal Review	1-10	1
12.	Proposal Submission	11	1
13.	Proposal Acceptance	12	1
14.	Gathering And Analyzing Requirements	8	1
15.	Conducting Feasibility Analysis	8	1
16.	Defining Project Scope	8	1
17.	Estimating Project Costs	14	1
18.	Performing CPM Analysis	14	2
19.	Gantt Chart Refinement	10	1
20.	Defining Vision And Risks	14,16	1
21.	Requirements Specification And Validation	14	1

22.	Context Level Data Flow Diagram	21	1
23.	Requirements Trace-ability Matrix	21	1
24.	Creating High Level Use-Case Diagram	21	1
25.	Deliverable-1 Review	14 - 24	1
26.	Deliverable-1 Submission And Evaluation	25	2
27.	Use-Case Description	24	3
28.	Refining Use-Case Diagram	24	3
29.	Design Sequence and Collaboration Diagram	21	4
30.	Operation Contracts Specification	21	2
31.	Design Class Diagram	21	3
32.	Domain and Data Model Construction	21	3
33.	Deliverable-2 Review	27 -32	1
34.	Deliverable-2 Submission And Evaluation	33	1
35.	UI/UX Research for Prototypes	21	5
36.	User Flow in Prototypes	28	5
37.	Low-Fidelity Prototyping Development	36	10
38.	User interface Design	37	15
39.	Prototypes Review	38	1
40.	Refining Prototypes	39	10
41.	Prototypes Submission and Evaluation	40	1
42.	Developing Database Schema	8	4
43.	Development and Coding	42	58
44.	Components Testing and System Refine	43	10
45.	Integration and Testing	44	10
46.	Deployment	45	5
47.	Final Review	46	2
48.	Final Refining	47	12
49.	Final Evaluation and Submission	48	1

In this project we will prioritize legal compliance and ethical responsibility from its inception and throughout its operation.

CPM Diagram:



The critical path:

1 → 2 → 3 → 4 → 5 → 6 → 7 → 8 → 9 → 10 → 11 → 12 → 13 → 14 → 15 → 16 → 17 → 18 → 19 → 20 → 21
 → 22 → 23 → 24 → 25 → 26 → 27 → 28 → 29 → 30 → 31 → 32 → 33 → 34 → 35 → 36 → 37 → 38 → 39
 → 40 → 41 → 42 → 43 → 44 → 45 → 46 → 47 → 48 → 49

The critical time:

$$\begin{aligned}
 & 1+2+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+2+1+1+1+1+1+1+1+2+3+3+4+2+3+3+ \\
 & 1+1+5+5+10+15+1+10+1+4+58+10+10+5+2+12+1 \\
 & = \mathbf{198 \text{ days}}
 \end{aligned}$$

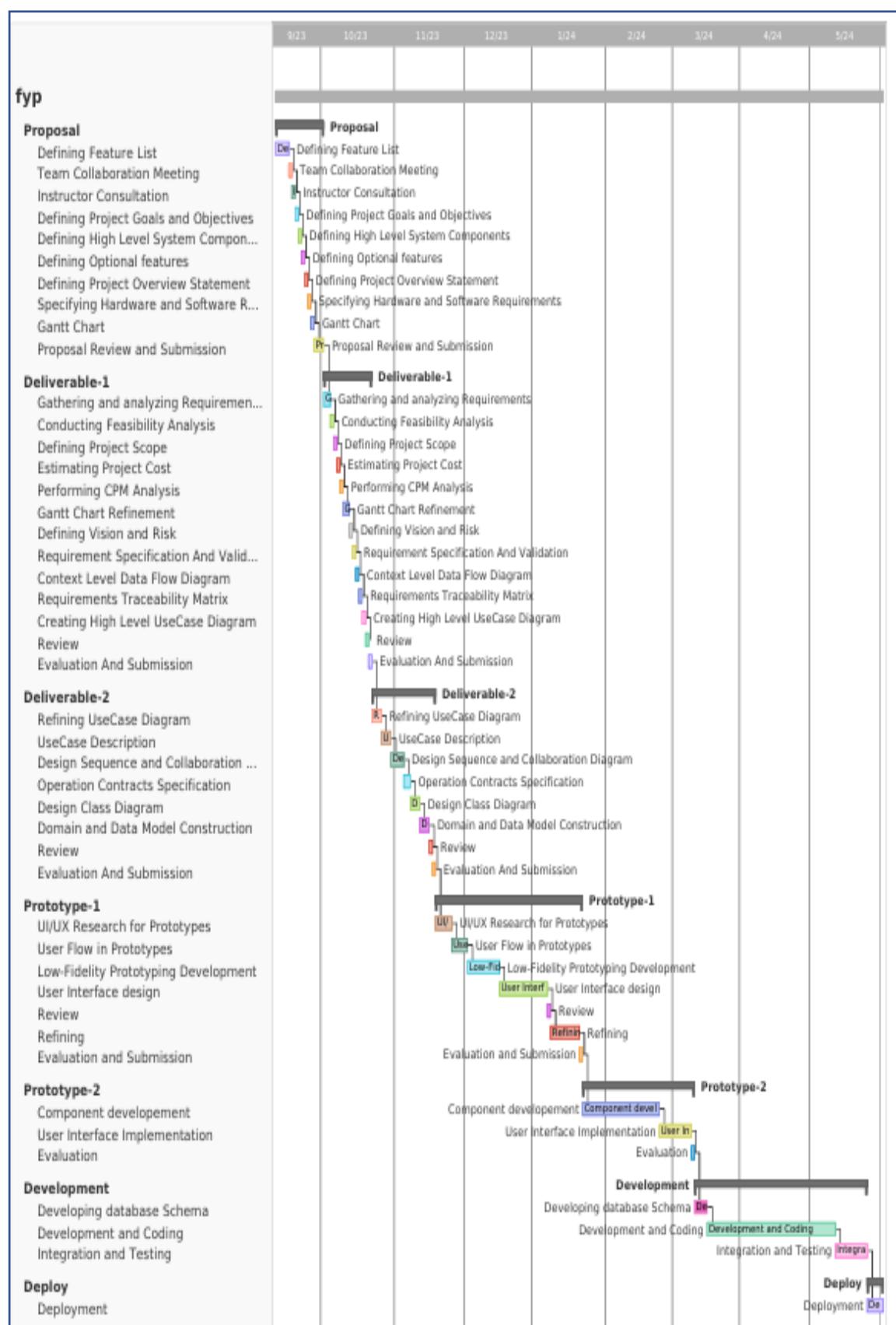
According to this analysis, our project will complete in **198** working days.

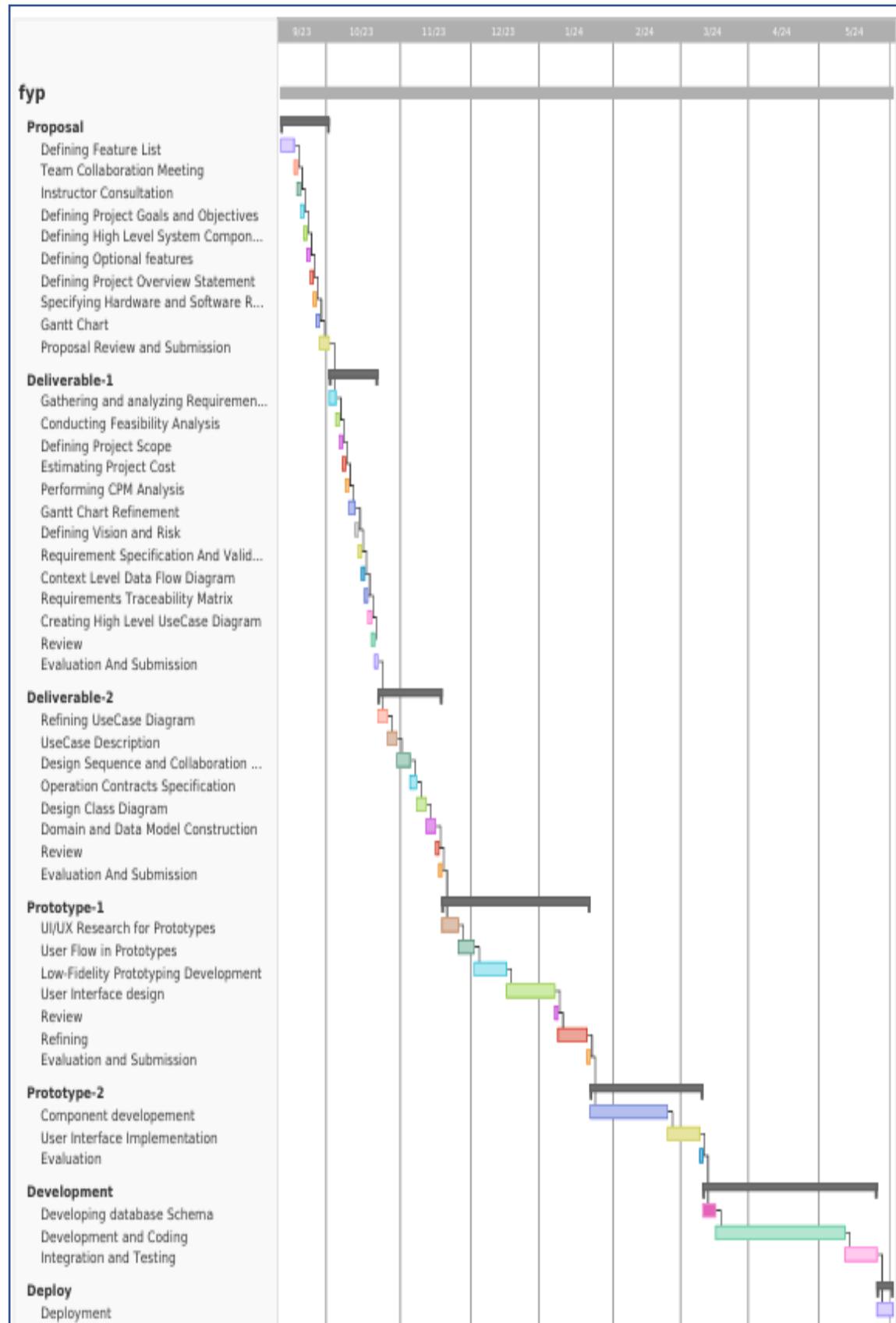
2.7 Gantt chart

Our project timeline is detailed in the Gantt chart provided, outlining key milestones and their respective timeframes.

Sr#	Task	Start Time	End Time	Duration 5 day per week
1.	Orientation	Sep 11, 2023	Sep 13, 2023	3
2.	Defining Features List	Sep 14, 2023	Sep 14, 2023	2
3.	Team Collaboration Meeting	Sep 15, 2023	Sep 15, 2023	1
4.	Instructor Consultation	Sep 18, 2023	Sep 18, 2023	1
5.	Defining Project Goals and Objectives	Sep 19, 2023	Sep 19, 2023	1
6.	Identifying and Finalizing High-Level System Components	Sep 20, 2023	Sep 20, 2023	1
7.	Determining Optional Functional Units	Sep 21, 2023	Sep 21, 2023	1
8.	Defining Project Overview Statement	Sep 22, 2023	Sep 22, 2023	1
9.	Specifying Hardware and Software Requirements	Sep 25, 2023	Sep 25, 2023	1
10.	Gantt Chart Development	Sep 26, 2023	Sep 26, 2023	1
11.	Proposal Review	Sep 27, 2023	Sep 27, 2023	1
12.	Proposal Submission	Sep 28, 2023	Sep 28, 2023	1
13.	Proposal Acceptance	Sep 29, 2023	Sep 29, 2023	1
14.	Gathering and Analyzing Requirements	Oct 02, 2023	Oct 03, 2023	1
15.	Conducting Feasibility Analysis	Oct 04, 2023	Oct 04, 2023	1
16.	Defining Project Scope	Oct 05, 2023	Oct 05, 2023	1
17.	Estimating Project Costs	Oct 06, 2023	Oct 06, 2023	1
18.	Performing CPM Analysis	Oct 09, 2023	Oct 09, 2023	2
19.	Gantt Chart Refinement	Oct 11, 2023	Oct 11, 2023	1
20.	Defining Vision and Risks	Oct 12, 2023	Oct 12, 2023	1
21.	Requirements Specification And Validation	Oct 13, 2023	Oct 13, 2023	1
22.	Context Level Data Flow Diagram	Oct 16, 2023	Oct 16, 2023	1
23.	Requirements Traceability Matrix	Oct 17, 2023	Oct 17, 2023	1
24.	Creating High Level Use-Case Diagram	Oct 18, 2023	Oct 18, 2023	1
25.	Deliverable-1 Review	Oct 19, 2023	Oct 19, 2023	1

26.	Deliverable-1 Submission and Evaluation	Oct 20, 2023	Oct 21, 2023	2
27.	Use-Case Description	Oct 23, 2023	Oct 25, 2023	3
28.	Refining Use-Case Diagram	Oct 26, 2023	Oct 30, 2023	3
29.	Design Sequence and Collaboration Diagram	Oct 31, 2023	Nov 03, 2023	4
30.	Operation Contracts Specification	Nov 06, 2023	Nov 07, 2023	2
31.	Design Class Diagram	Nov 08, 2023	Nov 10, 2023	3
32.	Domain and Data Model Construction	Nov 13, 2023	Nov 15, 2023	3
33.	Deliverable-2 Review	Nov 16, 2023	Nov 16, 2023	1
34.	Deliverable-2 Submission and Evaluation	Nov 17, 2023	Nov 17, 2023	1
35.	UI/UX Research for Prototypes	Nov 20, 2023	Nov 24, 2023	5
36.	User Flow in Prototypes	Nov 27, 2023	Dec 01, 2023	5
37.	Low-Fidelity Prototyping Development	Dec 04, 2023	Dec 15, 2023	10
38.	User interface Design	Dec 18, 2023	Jan 5, 2023	15
39.	Prototypes Review	Jan 5, 2023	Jan 5, 2023	1
40.	Refining Prototypes	Jan 8, 2024	Jan 19, 2023	10
41.	Prototypes Submission and Evaluation	Jan 22, 2023	Jan 22, 2023	1
42.	Component Development	Jan 23, 2024	Feb 23, 2024	24
43.	User Interface Implementation	Feb 26, 2024	March 8, 2024	10
44.	Prototype Submission	March 11, 2024	March 11, 2024	1
45.	Developing Database Schema	March 12, 2023	March 15, 2023	4
46.	Development and Coding	March 18, 2023	May 10, 2024	46
47.	Integration and Testing	May 13, 2024	May 24, 2024	10
48.	Deployment	May 27, 2024	May 31, 2024	5





2.8 System Introduction

2.8.1) Systems Specifications:

2.8.1.1) Introduction:

In the world of startup businesses, Mentor-Hub is like a **guiding star** for new entrepreneurs and experienced mentors. It's a direct response to the urgent need for a **strong connection** between mentors and startups. Our vision continually expands, driven by our commitment to benefit both mentors and startups.

2.8.1.2) Existing System:

Existing systems for mentorship are following:

- Growth mentor
- Mentor pass
- Sparrow mentor

1- Growth mentor:

Growth Mentor is a platform that connects startup founders with experienced mentors who have a proven track of success in the startup world. In this website, mentees search for a mentor and connect with him through call and pay him per minute and hour rate. **The mentee pays twice in Growth Mentor**, first for the website and then for the call with the mentor. The website has mentor blogs available on some hot industry topics and video lectures are also available.

2- Mentor pass:

Mentor Pass is a platform that connects startup founders with mentors who can help them scale their business. Basically, **this platform provides 1:1 calls with the mentors**. Users discover mentors on the basis of their skills and pay twice just like a growth mentor.

3- Sparrow Mentor:

Sparrow Mentor is a platform for **naive actors, producers and directors in the industry**. The platform provides expert directors, writers, producers, actors and lighting designers for mentees. The platform provides 6 months of training to mentees. Mentees select the program for training and pay according to the mentor.

- Unlike these websites, in our website start-up founders **pay once** and connect with the mentor through **chat**. We also provide a **Mentor Insight feature** where users can read the advice and insights of multiple mentors on various start-up topics. We also gather user feedback on the quality of mentorship and platform performance.

2.8.1.3) Organizational Chart:

Organizational charts typically depict an organization's structure, including its departments, hierarchy, and reporting relationships.

For our Mentor-Hub project that is proposal at Punjab University, the traditional **organizational chart might not be directly applicable.**

2.8.1.4) Scope of the System:

The scope of Mentor-Hub is to establish a worldwide **online mentoring platform**, empowering startup founders. It is committed to ensuring accessibility for users globally, **regardless of their location or educational background.**

This encompasses **offering essential services and resources** dedicated to promoting knowledge sharing and facilitating collaboration among users

2.8.1.5) Summary of Requirements (Initial Requirements):

1. User Registration
2. User Login
3. User profile management
4. Search or discover mentors
5. Dashboard for mentors and mentees
6. Payment and billing
7. Communication between mentor and mentee
8. Mentor Insight Hub
9. Search mentor's insights
10. Feedback and Rating
11. FAQ
12. Logout

Summary

1. User Registration

User registration is mandatory for accessing the platform. Users will need to provide a username, email, password, and additional detail according to their role.

1.1: Mentee sign-up: with signup credentials mentee will provide its role.

1.2: Mentor sign-up: with signup credentials mentor will provide its role.

2. User Login

Only after successfully logging in, the user will be **rendered to the dashboard** of the website.

2.1: Registered Users: can log in with their email and password. For new users, there should be an option for registration. User can be mentors and mentees.

3. User Profile Management

3.1.Mentee profile management:

Mentees can create and manage profile by mentioning their field of study, skills, goals and business plan information.

3.1.1: Change password: mentee can change password for security reasons.

3.1.2: Edit Profile details: mentee can change and update his/her skills for improvement. After achieving certain goals, mentee can change/Update his/her goals. Mentee has the access to update profile according to achievements.

3.2.Mentor profile management:

Mentors can create profile by mentioning their field of study, skills, goals and business plan strategies. Mentor can also mention his/her previous projects.

3.2.1: Change password: mentor can change password for security reasons.

3.2.2: Edit profile details: Permits mentors to edit his/her skills for improvement and other details like services payment amount, available time, business experience, and future goals in their profiles.

3.2.3: Add Start-up/projects details: mentor can add more projects/start-up detail in his/her profile after completing projects.

4. Dashboard for Mentors and Mentees

Personalized dashboards will be provided to both mentees and mentors. The dashboard will enable users to track interactions, keep record of balance and view insights f mentors freely.

5. Search or discover mentors

The platform will offer a search function allowing start-up founders to find mentors based on various criteria such as names, availability and status (paid/unpaid)

6. Connect with mentor

After searching there will be the list of mentors. From that list of mentors the mentee can connect with the most suitable mentor by sending him the request.

7. Payment and Billing:

After selecting a mentor, mentees should have a seamless payment process.

Payment processing may involve a third-party processor or an in-house system.

8. Communication between Mentor and Mentee

A chatting or messaging system should facilitate communication between mentors and mentees for advice and guidance.

9. Mentor insight hub

In mentor insight section mentees can read the advice and insights of multiple mentors on various start-up topics.

10.1: Explore Mentor insight hub: Allow mentees to access and read the advice and insights.

10.2: Add Advices: Mentor can share advice, rules and plan for start-up business. In advice mentor can share URLs, pictures and videos related to advice material.

10. Feedback

User can give feedback about certain mentor and those feedbacks enhance the quality of mentorship and platform performance. The positive feedback can motivate the mentor.

11. FAQ

There will be a section of Frequently Asked Questions available in website.

14.1: User Queries: From this section user can get help about the privacy policy, mentors details, payment methods and many other common queries according to their role. This is the dynamic page of the website where website admin can add and remove questions.

12. Logout

The web application shall provide logout functionality for users, including Mentors and Mentees.

15.1: Allow Logout: Users (Admin/Mentor/Mentee) who are logged in the web application will be able to log out from the website when they're done.

15.2: Terminate User's Session: Upon logging out, the system will terminate the user's session and return them to the login or home page as appropriate.

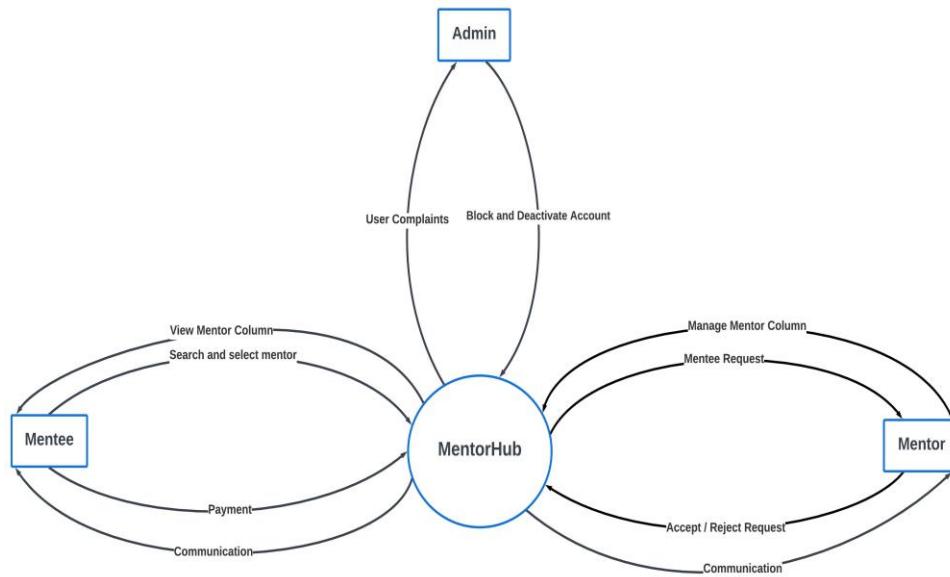
2.8.2) Identifying External Entities

Over Specify Entities from Abstract: The external entities (actors) interacting with our system is identified as follows:

1. **Mentors:** Experienced individuals who provide guidance, advice and support to start-up founders and other users.
2. **Start-up Founders:** Aspiring entrepreneurs and start-up founders seeking guidance and mentorship to navigate the challenges of launching and growing their businesses.
3. **System Admin:** The system administrator is responsible for configuring and maintaining the platform, ensuring it runs smoothly and managing user accounts and permissions.

- Perform Refinement
1. Mentors
 2. Mentee
 3. Admin

2.8.3) Context Level Data Flow Diagram



2.8.4) “Shall” Statements

Para#	External Entity	Initial Requirements
1	System	The System “shall” only allow the registered user to access website platform.
1.1	Mentee	Mentees “shall” Register to access the platform, by providing a username, email, password, and role.
1.2	Mentor	Mentors “shall” Register to access the platform, by providing a username, email, password, and role.
2	System	The System “shall” allow the user to rendered the personalized dashboard of the website after successful login.
2.1	Mentee/Mentor	Registered user “shall” be able to Log in with the email and password.
3	System	System “shall” process different types of updating e.g. updating of profile details and updating advice.
3.1	System	System “shall” accept the Mentee Request of change Password and profile details.
3.1.1	Mentee	A Mentee “shall” login to the system and can change his/her password for security reasons in profile.

3.1.2	Mentee	Mentees "shall" create, update and manage profiles , including their field of study, skills, goals, and business project information.
3.2.1	Mentor	A Mentor "shall" login to the system and can change his/her password for security reasons
3.2.2	Mentor	Mentors "shall" create, update and manage profiles , specifying their field of study, skills, goals, business plan strategies, and previous projects.
3.2.3	Mentor	Mentors "shall" have the ability to add more project/start-up details in their profiles after completing projects.
4	Mentee	The platform "shall" offer a search function for start-up founders to find mentors based on various criteria like names, skills, status (paid/unpaid).
5	Mentor/Mentee	The dashboard "shall" enable users to track interactions, check balances and view insights of mentors and give feedback to mentors.
6	Mentor	After selecting a mentor, mentees "shall" experience a seamless payment process.
7	System	System "shall" generate invoice, confirmation receipt and finally will accept payment
8	Mentor/Mentee	A chatting or messaging system "shall" facilitate communication between mentors and mentees for advice and guidance.
9	Mentor	Mentors "shall" be able to share useful resources with mentees.
10.1	Mentee	Mentees "shall" be able to read the advice and insights of multiple mentors on various start-up topics in Mentor insight hub without any charge .
10.2	Mentor	Mentors "shall" be able to post, edit and delete advice , rules, and plans for startup businesses in Mentor Insight Hub .
11	Mentee	Mentee "shall" have the capability to provide feedback about mentor.
13	Mentor	Mentors " shall " review and accept mentee requests.
14	System	The System "shall" provide section of Frequently Asked Questions available on the website.
14.1	Mentor/Mentee	Users (Mentor/Mentee) "shall" have access to information about privacy policy, mentors' details, payment methods, and other common queries.
15	System	System "shall" provide Logout functionality .
15.1	Mentor/Mentee/Admin	Users who are logged-in the web application "shall" be able to Log out from the website when they're done.
15.2	System	Upon logging out, the system "shall" terminate the user's session and return them to the login or home page as appropriate.

2.8.5) Allocate Requirements

Sr #	Para#	Initial Requirements	Use-Case Name
1	1	The System “shall” only allow the registered user to access website platform.	UC_Registration
2	2	The System “shall” allow the user to rendered to dashboard of the website after successful login	UC_Login
3	3	System “shall” process different types of updating e.g. updating of his personal details and updating the posted advice.	UC_User_Request
4	3.1.2	User "shall" create, update and manage profiles , including their field of study, skills, goals, and business plan information	UC_User_Profile_Management
5	4	The platform "shall" offer a search function for start-up founders to find mentors based on various criteria like names, skills, status.	UC_Discover_Mentor
7	7	A chatting or messaging system "shall" facilitate communication between mentors and mentees for advice and guidance.	UC_Chat_Communication
9	7	Mentee “shall” initiate payment	UC_Initiate_Payment
10	7	System “shall” generate invoice, confirmation receipt and finally will accept payment	UC_Accept_Payment
11	10.1	Mentees "shall" be able to read the advice and insights of multiple mentors on various start-up topics in Mentor InsightHub without any charge .	UC_View_MentorInsight
12	10.2	Mentors "shall" be able to write and share advice, rules, and plans for startup businesses in Mentor Insight Hub .	UC_Manage_MentorInsight
13	11	Mentee "shall" have the capability to provide feedback about certain mentors.	UC_Give_feedback
16	14	The System “shall” provide section of Frequently Asked Questions available on the website.	UC_FAQ
17	15	Users who are logged in the web application "shall" be able to Log out from the website when they're done.	UC_Logout

2.8.6) Prioritize Requirements

Sr #	Para #	Initial Requirements	Use-Case Name	UC-ID	Rank
1	1	The System “shall” only allow the registered user to access website platform.	UC_Registration	UC_1	High
2	2	The System “shall” allow the user to be rendered to dashboard of the website after successful login	UC_Login	UC_2	High
3	3	System “shall” process different types of updating e.g. updating of his personal details, profile details and updating of advices.	UC_User_Request	UC_3	Medium
4	3.1.2	User “shall” create, update and manage profiles , including their field of study, skills, goals, and business plan information	UC_User_Profile_Management	UC_4	Medium
5	4	The platform "shall" offer a search function for start-up founders to find mentors based on various criteria like names, subjects, skills, and tools.	UC_Discover_Mentor	UC_5	High
7	7	A chatting or messaging system "shall" facilitate communication between mentors and mentees for advice and guidance.	UC_Chat_Communication	UC_7	High
9	7	Mentee “shall” initiate payment	UC_Initiate_Payment	UC_9	High
10	7	System “shall” generate invoice, confirmation receipt and finally will accept payment	UC_Accept_Payment	UC_10	High
11	10.1	Mentees "shall" be able to read the advice and insights of multiple mentors on various start-up topics in Mentor Column without any charge .	UC_View_Mentor_Insight	UC_11	Medium
12	10.2	Mentors "shall" be able to write and share advice, rules, and plans for startup businesses in Mentor Insight Hub .	UC_Manage_Mentor_Insight	UC_12	Medium

13	11	Mentee "shall" have the capability to provide feedback about certain mentors.	UC_Give_feedback	UC_13	Medium
16	14	The System “shall” provide section of Frequently Asked Questions available on the website.	UC_FAQ	UC_16	Low
17	15	Users who are logged in the web application "shall" be able to Log out from the website when they're done.	UC_Logout	UC_17	High

2.8.7) Requirements Traceability Matrix

The Requirements Traceability Matrix is a table linking project activities and products to requirements, ensuring a clear path from identification to implementation.

- **Build Column:**

In the initial documentation phase, use placeholder values like "N/A," "Pre-Dev," or "Draft" in the "Build" column for requirements not yet linked to a specific release.

- ◆ Once development begins and specific builds are identified, we can update the "Build" column accordingly.

- **Category Column:**

The "Category" column in an RTM categorizes requirements by type for easier project tracking.

Common categories include

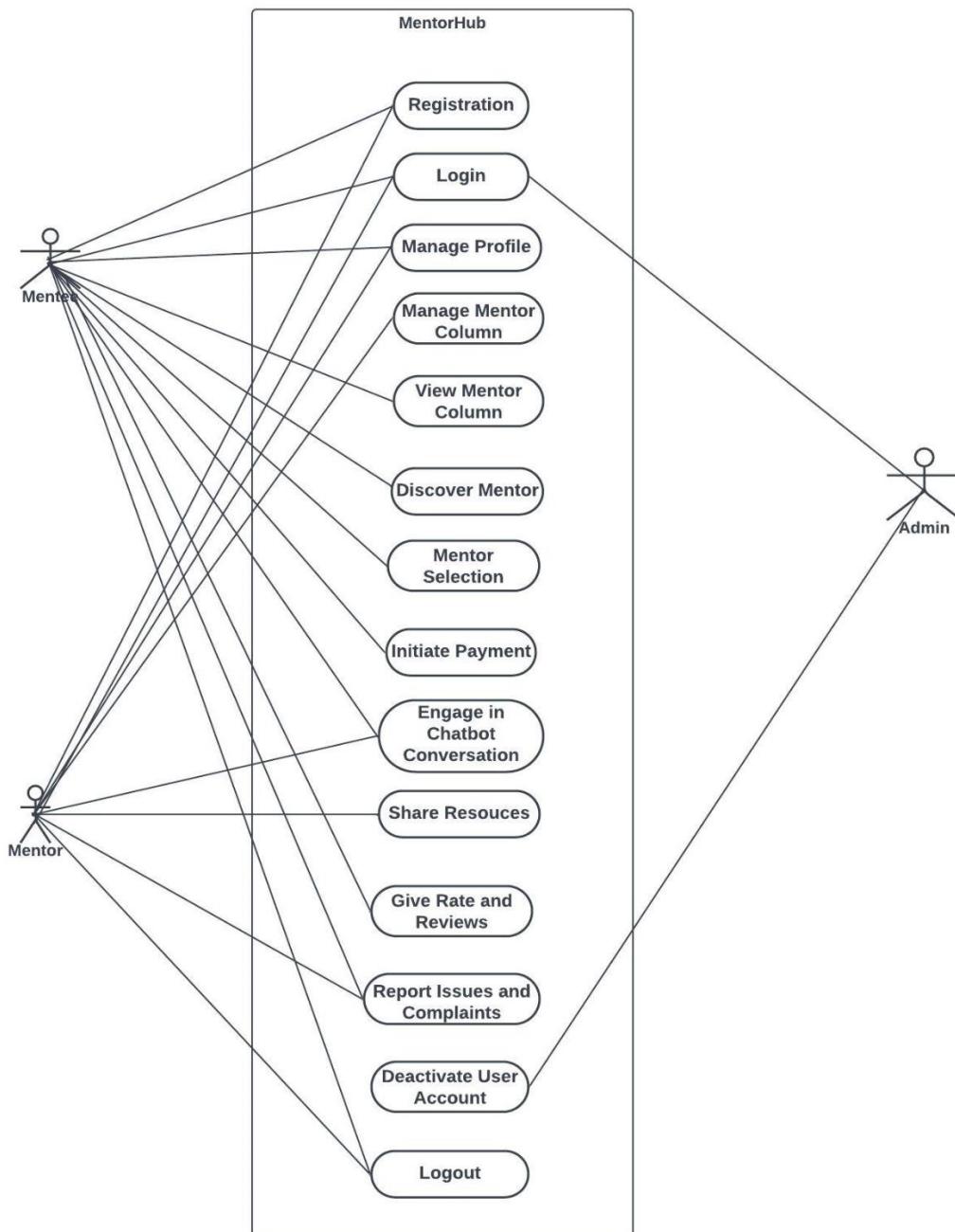
1. Business
2. Functional
3. Non-Functional
4. Technical
5. Regulatory/Compliance
6. UI, Integration
7. Security
8. Performance
9. Usability
10. Scalability
11. Data
12. Reporting
13. Testing
14. Documentation.

Categorization helps prioritize, track, and manage requirements effectively.

Sr #	Para #	System Specification Text	Buil d	UseCase Name	Category
1	1	The System “shall” only allow the registered user to access website platform.	Pre-Dev	UC_Registrati on	FunctionalS ecurity, Business
2	2	The System “shall” allow the user to rendered the dashboard of the website after successful login	Pre-Dev	UC_Login	FunctionalS ecurity, Business
3	3	System “shall” process different types of updating e.g. updating of his personal details and updating advice.	Pre-Dev	UC_User_ Request	Functional, Business
4	3.1.2	User "shall" create, update and manage profiles , including their field of study, skills, goals, and business plan information	Pre-Dev	UC_User_ Profile_Manag ement	Functional
5	4	The platform "shall" offer a search function for start-up founders to find mentors based on various criteria like names, skills and status (paid/unpaid)	Pre-Dev	UC_Discover_ Mentor	Functional, Business
7	7	A chatting or messaging system "shall" facilitate communication between mentors and mentees for advice and guidance.	Pre-Dev	UC_Chat_Co mmunication	Business
9	7	Mentee “shall” initiate payment	Pre-Dev	UC _Initiate_ Payment	Functional, Security, Business
10	7	System “shall” generate invoice, confirmation receipt and finally will accept payment	Pre-Dev	UC_Accept_P ayment	Functional, Business
11	10.1	Mentees "shall" be able to read the advice and insights of multiple mentors on various start-up topics in Mentor Insight hub without any charge .	Pre-Dev	UC_View_ Me ntor_Insight	Functional
12	10.2	Mentors "shall" be able to write and share advice, rules, and plans for startup businesses in Mentor Insight Hub .	Pre-Dev	UC_Manage_ MentorInsight	Functional
13	11	Mentee "shall" have the capability to provide feedback about certain mentors.	Pre-Dev	UC_Give_ feedback	Functional
16	14	The System “shall” provide section of Frequently Asked	Pre-Dev	UC_FAQ	Functional, Data

		Questions available on the website.			
17	15	Users who are logged in the web application "shall" be able to Log out from the website when they're done.	Pre-Dev	UC_Logout	Functional

2.9 High-level Use-Case Diagram



Chapter 3

Design & Architecture

3.1 Detailed Use-Case Diagram

A detailed use case diagram is a vital blueprint for visualizing interactions among system entities.

In the case of Mentor-Hub, a mentorship platform connecting start-up founders with experienced mentors, the detailed use case diagram provides a comprehensive overview of system functionalities and user interactions.

Primary Actors:

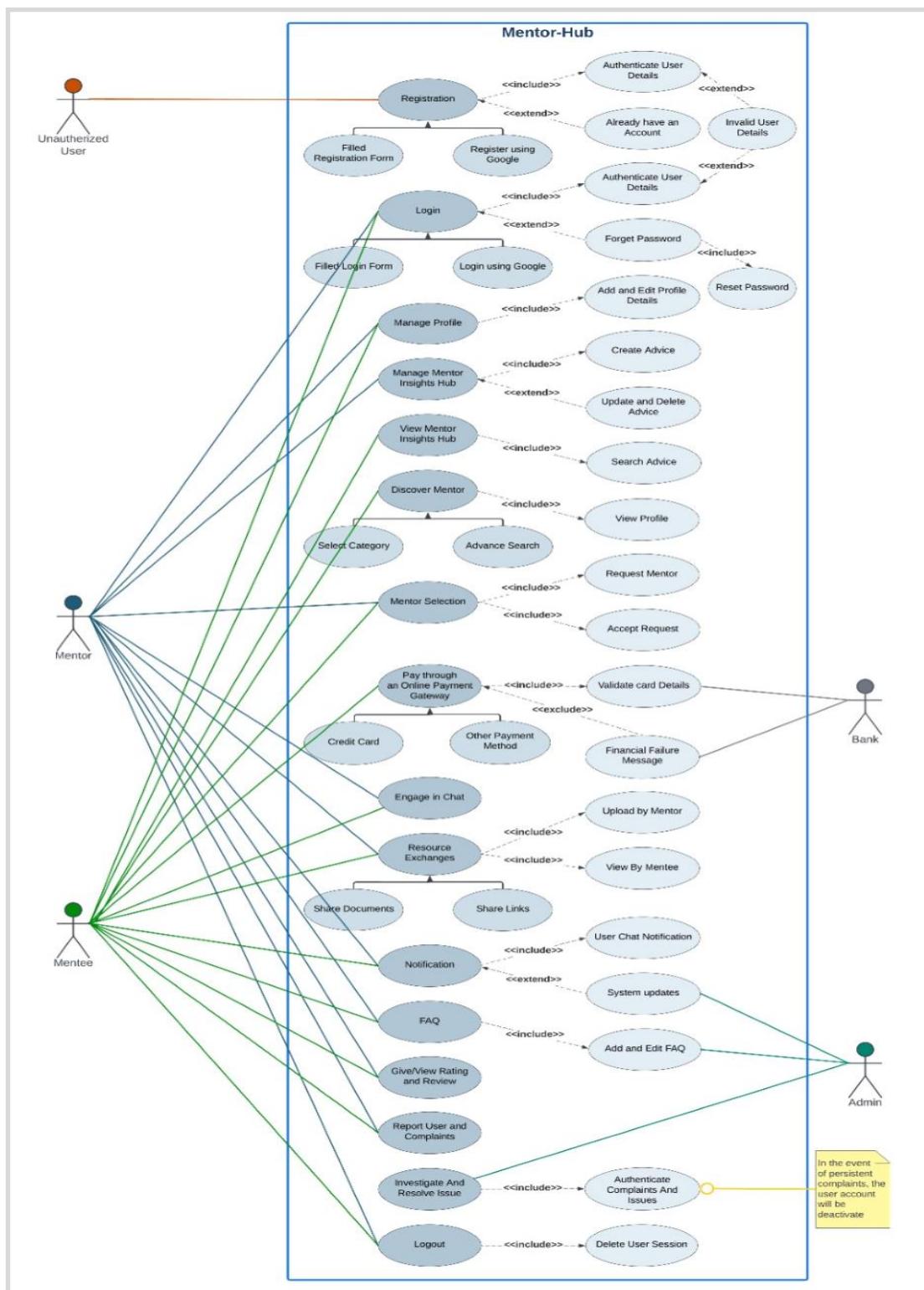
1. Mentor: Experienced professionals willing to provide mentorship.
2. Mentee (User): Individuals or teams seeking guidance for start-up ventures.

Secondary Actors:

1. Admin: Responsible for system management and issue resolution.
2. Bank: Facilitates payment transactions within the platform.

Use-Cases names:

ID	Name
UC-1	Registration
UC-2	Login
UC-3	Manage Profile
UC-4	Manage Mentor-Insights Hub
UC-5	View Mentor-Insights Hub
UC-6	Discover Mentor
UC-7	Mentor Selection
UC-8	Pay though Online Payment Gateway
UC-9	Engage in Chatbot conversation
UC-10	Resource Exchanges
UC-11	Notification
UC-12	FAQ
UC-13	Give/View Rating And Reviews
UC-14	Report issue and complaint
UC-15	Investigate and Resolved issue
UC-16	Logout



3.2 Use-Case Description

The use-case description is a crucial guide to understand Mentor-Hub's features. It outlines actions for primary and secondary actors, providing a comprehensive view of the system.

Usecase ID	UC-1
Usecase Name	Registration
Actor	Mentor, Mentee
Type	Primary
Usecase Description	The user has to register himself by signing up in the website, if he is visiting for the first time. A user can be a mentor or mentee. In registration form, user will provide username, Email and password. User's details will be verified and after verification, user account will be created.
Preconditions	Here are the pre-conditions for the "User Registration" use case: <ol style="list-style-type: none"> 1. User must have a stable internet connection to access the website. 2. User must have a valid and unique email address and username that will be used for account verification. 3. The user should not already have an existing account with the same credentials.
Basic Flow	Here's a basic flow for the user registration process: <ol style="list-style-type: none"> 1. User will click on the Signup button of the website to register himself. 2. User will register through registration form. <ol style="list-style-type: none"> 2.1 User will provide username, email and strong password. 3. The website validates the provided information and creates the user account.

Alternative Flow	<p>Here's the alternative flow for the user registration process:</p> <ol style="list-style-type: none"> 1. The system will not register the user if the user account already has account. 2. If user enters wrong email or username is not unique, system will display an error message and again registration form will appear.
Post Condition	<p>Here are the post-conditions for the "User Registration" use case:</p> <ol style="list-style-type: none"> 1. A new user account will be created successfully. 2. The user's login credentials (username, email and password) will securely store in the system database. 3. User will access the dashboard of the website.

Use case ID	UC-2
Usecase Name	Login
Actor	Mentor, Mentee
Type	Primary
Usecase Description	User will login to the system by adding username and password. The system verifies the user's credentials from the database and allow the user to use the website.
Preconditions	<p>Here are the pre-conditions for the "User Login" use case:</p> <ol style="list-style-type: none"> 1. The user must have a registered account on the website.
Basic Flow	<p>Here's a basic flow for the user login process:</p> <ol style="list-style-type: none"> 1. User will click on the Login button of the website to login to the website. 2. User enters valid login credentials like email and password. 3. System authenticates the entered credentials from website's database. 4. If authentication is successful, the user is logged into the website and redirected to the dashboard of the website.

Alternative Flow	<p>Here's the alternative flow for the user login process:</p> <ol style="list-style-type: none"> 1. If the user does not already have an account, the system will not login the user and redirect the user to Signup page. 2. If the user enters incorrect login credentials, the system displays an error message and prompts to re-enter the correct credentials.
Post Condition	<p>Here are the post-conditions for the "User Login" use case:</p> <ol style="list-style-type: none"> 1. The user will successfully log into the website. 2. User will be redirected to the personalized dashboard of the website.

Usecase ID	UC-3
Usecase Name	Manage Profile
Actor	Mentor, Mentee
Type	Primary
Usecase Description	This use case enables a registered user to manage their profile information on the website. Users have the ability to create, view, and edit their personal details, contact information, skills and project
Preconditions	<p>Here are the pre-conditions for the "User Manage Profile" use case:</p> <ol style="list-style-type: none"> 1. The user must have to login to the website.
Basic Flow	<p>Here's a basic flow for the user manage profile process:</p> <ol style="list-style-type: none"> 1. The user navigates to the profile management section within the website. 2. The system displays the user's current profile information, including personal details, contact information, skills and projects. If the user is a new, the user will create a profile by entering information in these sections of the profile. 3. User can edit required profile information (such as name, contact details, profile picture, skills, projects). <ol style="list-style-type: none"> 3.1 The system will display an editable form with the profile information. 3.2 After editing, user will submit the updated information. 4. The system saves the changes to the user's profile.

	information.
Post Condition	<p>Here are the post-conditions for the " user manage profile " use case:</p> <ol style="list-style-type: none"> 1. The user's profile is successfully created. 2. If user edited the profile information, it will be stored in database.

Usecase ID	UC-4
Usecase Name	Manage Mentor Insights hub
Actor	Mentor
Type	Primary
Usecase Description	This use case enables mentors to manage their contributions to a mentor insights hub on the website, allowing them to add/post advice, update and delete advice as needed.
Preconditions	<ol style="list-style-type: none"> 1. The mentor must have to login to the website. 2. Mentor must have created profile.
Basic Flow	<p>Here's a basic flow for the manage mentor insights process:</p> <ol style="list-style-type: none"> 1. The mentor will navigate to the mentor insights section within website. 2. This system displays business advices and solutions posted by multiple mentors. 3. The mentor selects the option to post new advice. <ul style="list-style-type: none"> • The system displays a form for the mentor to input their new advice. • The mentor enters the content of the new advice. • The mentor submits the form. <p>Mentor's advice now available for everyone.</p>
Alternative Flow	<p>Here's the alternative flow for the manage mentor insights process:</p> <ol style="list-style-type: none"> 1. The mentor decided to delete his advice. 1.1 The system displays a list of the mentor's posted advice. 1.2 The mentor selects a piece of advice for deletion. 1.3 The website prompts the mentor

	<p>with a confirmation message, verifying their intention to delete the selected advice.</p> <p>1.4 If the mentor confirms, the website deletes the selected advice of mentor.</p> <p>2. Now, mentors deleted advice will not be visible publicly to everyone.</p>
Post Condition	<p>Here are the post-conditions for the " manage mentor insights hub" use case:</p> <ol style="list-style-type: none"> 1. The mentor's advice will successfully posted or deleted from the mentor insights section. 2. The system will update the display of the mentor insights to reflect the changes made by the mentors.

Usecase ID	UC-5
Usecase Name	View Mentor Insights Hub
Actor	Mentee
Type	Primary
Usecase Description	This use case allows mentees to access and view business-related posts in the mentor insights section on the website, gaining valuable advice and solutions from mentors.
Preconditions	<p>Here are the pre-conditions for the " view mentor insights " use case:</p> <ol style="list-style-type: none"> 1. The mentee must be logged in to access and view posts in the mentor insights section. 2. There should be an advice available in on the mentee's relevant subject matter in mentor insights section.
Basic Flow	<p>Here's a basic flow for the user view mentor insights process:</p> <ol style="list-style-type: none"> 1. The mentee navigates to the mentor insights section within the website. 2. The system displays a list of posts related to the mentee subject of search, provided by mentors in the mentor column. 3. The mentee can click on individual posts to read detailed advice and solutions provided by mentors.
Alternative Flow	<p>Here's the alternative flow for the user view mentor insights process:</p> <ol style="list-style-type: none"> 1. If there are no posts available for the relevant search in

	the Mentor insights section, the system displays a message indicating that there are currently no mentor's advices available for your relevant search.
Post Condition	<p>Here are the post-conditions for the " view mentor insights hub" use case:</p> <ol style="list-style-type: none"> 1. The mentee successfully views advices related to business in the mentor insights section. 2. The mentee reads advice provided by mentors and can search for specific mentor advice.

Usecase ID	UC-6
Usecase Name	Discover Mentor
Actor	Mentee
Type	Primary
Usecase Description	This use case allows mentees to discover mentors on a website by exploring mentors based on their preferences and needs. The mentee can review the profile of the selected mentor.
Preconditions	<p>Here are the pre-conditions for the " discover mentor " use case:</p> <ol style="list-style-type: none"> 1. The mentee must be logged in to access and discover mentors on the website. 2. Mentee must have created profile.
Basic Flow	<p>Here's a basic flow for the discover mentor process:</p> <ol style="list-style-type: none"> 1. The mentee navigates to the "Discover Mentor" section within the website. 2. The mentee chooses to search for mentors by selecting a specific category such as mentor name, skills and status. <ol style="list-style-type: none"> 2.1 The system displays a list of mentors specializing in the chosen category. 2.2 The mentee can search the mentor profile within the selected category, displaying details such as skills, experience, projects. 2.3 The mentee can explore mentor profile within the selected category, displaying details such as expertise, experience, projects and ratings.

Alternative Flow	<p>Here's the alternative flow for discover mentor process:</p> <p>1. If no mentor is available based on the selected category, then the system displays a message indicating that no mentor was found.</p>
Post Condition	<p>Here are the post-conditions for the "discover mentor" use case:</p> <ul style="list-style-type: none"> 1. The mentee successfully discovers mentors based on selected categories. 2. The mentee previews the detailed profile of a discovered mentor. 3. If the mentee decides to proceed, they may initiate request to the mentor.

Usecase ID	UC-7
Usecase Name	Mentor Selection
Actor	Mentee, Mentor
Type	Primary
Usecase Description	This use case represents the process where a mentee selects a mentor, initiates a mentorship request, and the mentor has the option to accept or reject the request.
Preconditions	<p>Here are the post-conditions for the "mentor selection" use case:</p> <ul style="list-style-type: none"> 1. A mentee must be logged in to access and initiate the mentorselection process. 2. Mentees select a mentor after a search and profile review.
Basic Flow	<p>Here's a basic flow for the mentor selection process:</p> <ul style="list-style-type: none"> 1. The mentee selects the option to send a mentorship request toselected mentor. <ul style="list-style-type: none"> 1.1 The system confirms the successful sending of thementorship request to the selected mentor. 2. The mentor receives a notification of the mentorship request. <ul style="list-style-type: none"> 2.1 Mentor review the profile skills and related projects. 2.2 The mentor decides to either accept or reject thementorship request. 2.3 The system updates the status of the

	<p>mentorship request accordingly.</p> <p>3. The system notifies the mentee of the mentor's decision (accepted or rejected).</p>
Alternative Flow	<p>Here's the alternative flow for the mentor selection process:</p> <ol style="list-style-type: none"> 1. Mentor rejects the mentorship request, the system notifies the mentee of the rejection.
Post Condition	<p>Here are the post-conditions for the "mentor selection" use case:</p> <ol style="list-style-type: none"> 1. The mentee is notified of the mentor's decision, either accepting or rejecting his mentorship request. 2. If the mentor accepts the request, then mentee will pay according to mentor.

Usecase ID	UC-8
Usecase Name	Make Payment
Actor	Mentor, Bank
Type	Primary, Secondary
Usecase Description	This use case describes the process where a mentee makes a payment for mentorship services. Mentee can pay through a credit card and can pay through payment gateways
Preconditions	<p>Here are the pre-conditions for the "make payment" use case:</p> <ol style="list-style-type: none"> 1. The mentee must be logged in to access and initiate the payment process. 2. The mentee has selected a mentor related to his need. 3. The mentor has accepted the mentee's request for mentorship. 4. Mentee must have bank account or payment gateways accounts.
Basic Flow	<p>Here's a basic flow for the make payment process:</p> <ol style="list-style-type: none"> 1. The mentee chooses a payment method from the options available: credit card or payment gateways. 2. If the mentee selects credit card payment, the system prompts for credit card details. <ol style="list-style-type: none"> 2.1 The mentee enters credit card details such as card number, expiration date.

	<p>2.2 The mentee confirms the payment, indicating their intent to proceed with the credit card transaction.</p> <p>2.3 The system processes the credit card transaction.</p> <p>3. Upon successful credit card transaction processing, the system displays a confirmation message, confirming the completion of the payment.</p>
Alternative Flow	<p>Here's the alternative flow for the make payment process:</p> <ol style="list-style-type: none"> Credit card details are not valid, the system notifies the mentee and prompts him to re-enter the information. Financial transactions because the mentee account is empty or does not have the required amount. <ul style="list-style-type: none"> 2.1 The system generates a financial failure message detailing the reason for the transaction failure. 2.2 The system forwards the financial failure message to the mentee.
Post Condition	<p>Here are the post-conditions for the "make payment" use case:</p> <ol style="list-style-type: none"> Upon successful payment, the mentee gains access to the agreed-upon mentorship services. Mentee can initiate chatbot conversation with mentor.

Usecase ID	UC-9
Usecase Name	Engage in chat conversation
Actor	Mentor, Mentee
Type	Primary
Usecase Description	Mentee will request Mentor for chat. Mentor will accept request and then can engage in conversation.
Preconditions	<p>Prerequisites that must be met before a user can engage in conversation on a website are below:</p> <ol style="list-style-type: none"> The Mentor and Mentee must be registered users. The Mentee must have to pay for chat conversation.

Basic Flow	<p>Here's a basic flow for the user chat conversation process:</p> <ol style="list-style-type: none"> 1. Mentee will request Mentor for conversation. 2. Mentor will accept Mentee request. 3. They will engage in conversation and share valuable information.
Alternative Flow	<p>Here's the alternate flow for the user chat conversation process:</p> <ol style="list-style-type: none"> 1. If the Mentor didn't accept request Mentee can request another Mentor.
Post Condition	<p>Here are the post-conditions for the "Engage in chat conversation" use case:</p> <ol style="list-style-type: none"> 1. The Mentor/Mentee gains valuable information, advice or resources through the chatbot interaction.

Usecase ID	UC-10
Usecase Name	FAQ
Actor	Mentor, Mentee, Admin
Type	Primary, Secondary
Usecase Description	If user can't understand something about system. There'll be FAQ available. Where all the necessary information for the system will be provided.
Preconditions	<p>Prerequisites that must be met before accessing FAQ on website are below:</p> <ol style="list-style-type: none"> 1. The User (Mentee or Mentor) is logged into the Mentor-Hub platform.
Basic Flow	<p>Here's a basic flow for accessing FAQ:</p> <ol style="list-style-type: none"> 1. The User accesses the Mentor-Hub platform. 2. The User navigates to the "FAQ" section, available in the website's user dashboard. 3. The User explores different categories or sections within the FAQ to find relevant information. 4. If the User has a specific question, they can use the search functionality to find relevant FAQs. 5. The User clicks on a specific FAQ question to view the detailed answer or information.

Alternative Flow	<p>Here's the alternate flow for accessing FAQ:</p> <ol style="list-style-type: none"> 1. If the User does not find the information needed in the FAQ section, they may choose to contact support or seek assistance through other platform features.
Post Condition	<p>Here are the post-conditions for the "FAQ" use case:</p> <ol style="list-style-type: none"> 1. The User has access to a comprehensive FAQ section containing answers to common questions. 2. The User can efficiently find information and solutions to common queries within the Mentor-Hub platform.

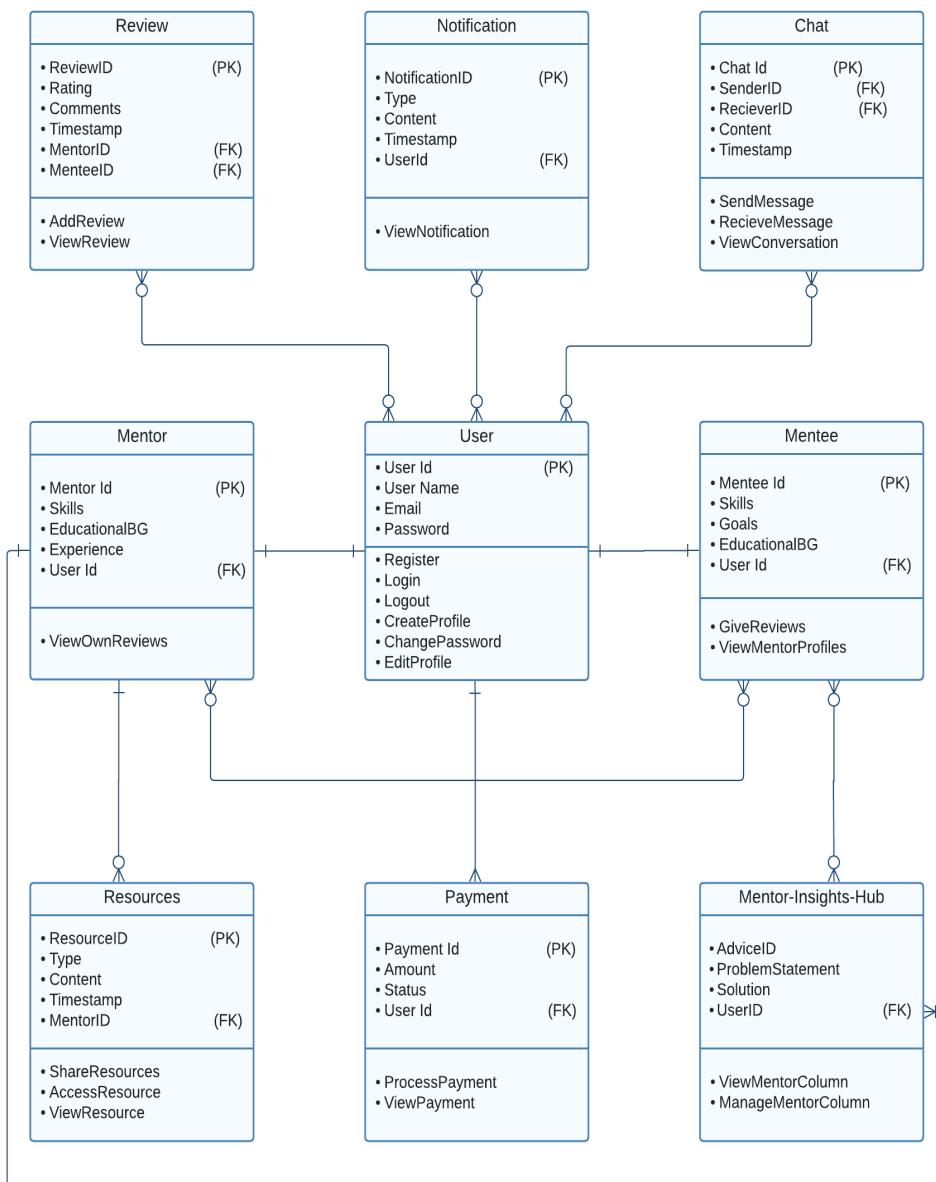
Usecase ID	UC-11
Usecase Name	Give Feedback
Actor	Mentee
Type	Primary
Usecase Description	After interacting with Mentor, Mentee can give feedback to that specific mentor about how was there chat and resources. Did they helped him or nor.
Preconditions	<p>Prerequisites that must be met before a user can successfully GiveRating and Review on the website are below:</p> <ol style="list-style-type: none"> 1. The User (Mentee or Mentor) is logged into the Mentor-Hub platform. 2. Mentee has engaged in a mentorship interaction.
Basic Flow	<p>Here's a basic flow for the Give feedback process:</p> <ol style="list-style-type: none"> 1. The User participates in a mentorship session or utilizes resources shared by the Mentor. 2. After the interaction, the User navigates to the "Feedback" section within the Mentor-Hub platform. 3. The User selects the completed mentorship interaction for which they want to provide a feedback. 4. The User assigns a rating to the Mentor or the overall interaction based on their

	<p>satisfaction.</p> <p>5. The User submits the provided feedback through the platform.</p>
Post Condition	<p>Here are the post-conditions for the " Give Rating and Review " usecase:</p> <ol style="list-style-type: none"> 1. The Mentor receives the User's feedback for the specific interaction. 2. The Mentor-Hub platform maintains a record of feedback.

Usecase ID	UC-12
Usecase Name	Logout
Actor	Mentor, Mentee
Type	Primary
Usecase Description	This use case describes the process where mentee had already sought the information needed and Mentor already provided the needed information and now he wants to logout from the website.
Preconditions	Prerequisites that must be met before a user can successfully logout from website are below: <ol style="list-style-type: none"> 1. The User is logged into the website. 2. The website is accessible and operational.
Basic Flow	Here's a basic flow for the user logout process: <ol style="list-style-type: none"> 1. The User navigates to the logout option within the Mentor-Hub platform. 2. The system presents a confirmation prompt to ensure the User intends to log out. 3. The User confirms the logout action. 4. The system logs out the User, terminating the current session. 5. The User is redirected to the login page.
Alternative Flow	Here's the alternate flow for the user logout process: <ol style="list-style-type: none"> 1. If the User decides not to log out after the confirmation prompt, the system remains in the current state.

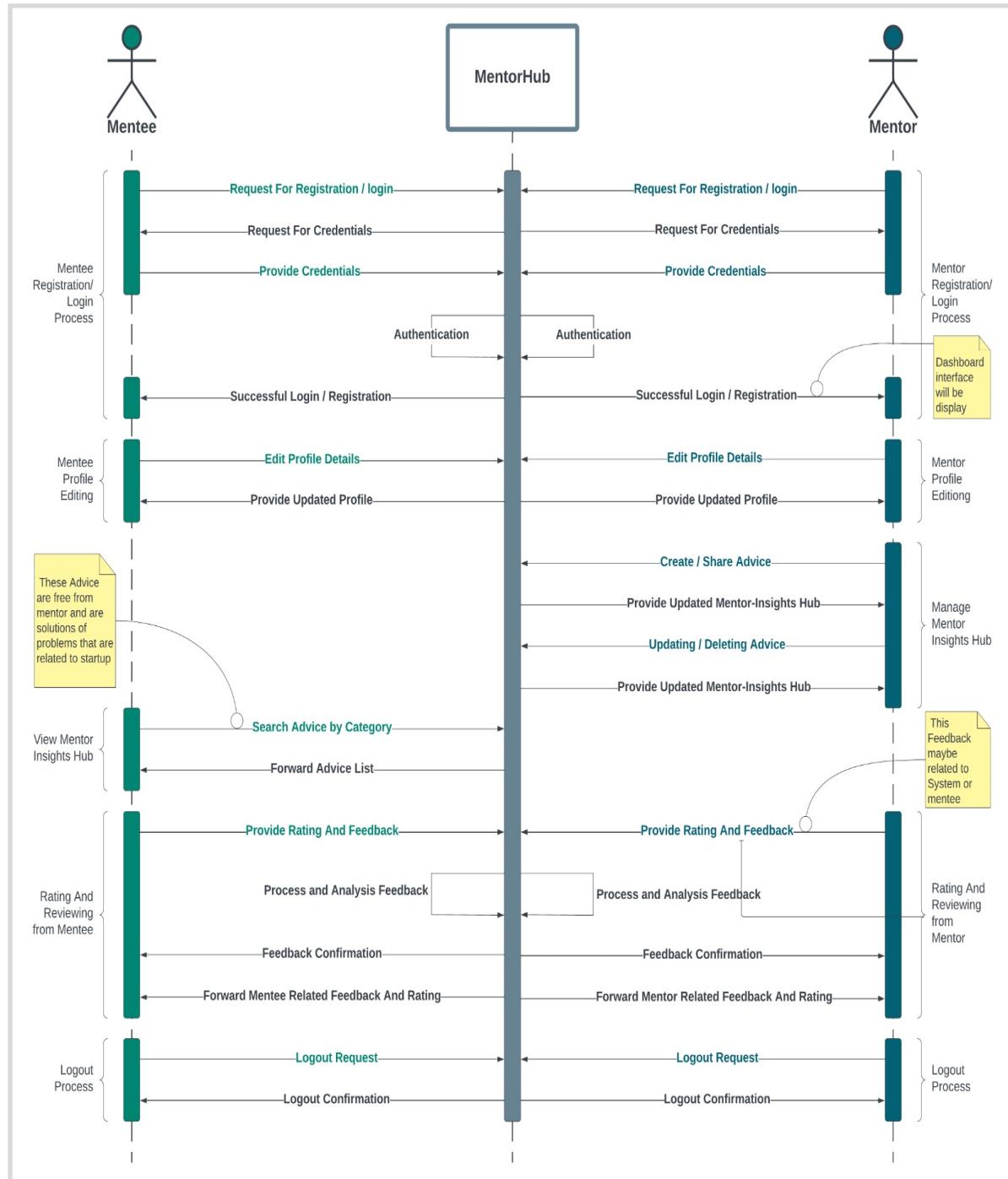
Post Condition	<p>Here are the post-conditions for the "Logout" use case:</p> <ol style="list-style-type: none"> 1. The User is successfully logged out of the Mentor-Hub platform. 2. Any active sessions and user-related data are cleared from the system.
-----------------------	--

3.3 Domain Model

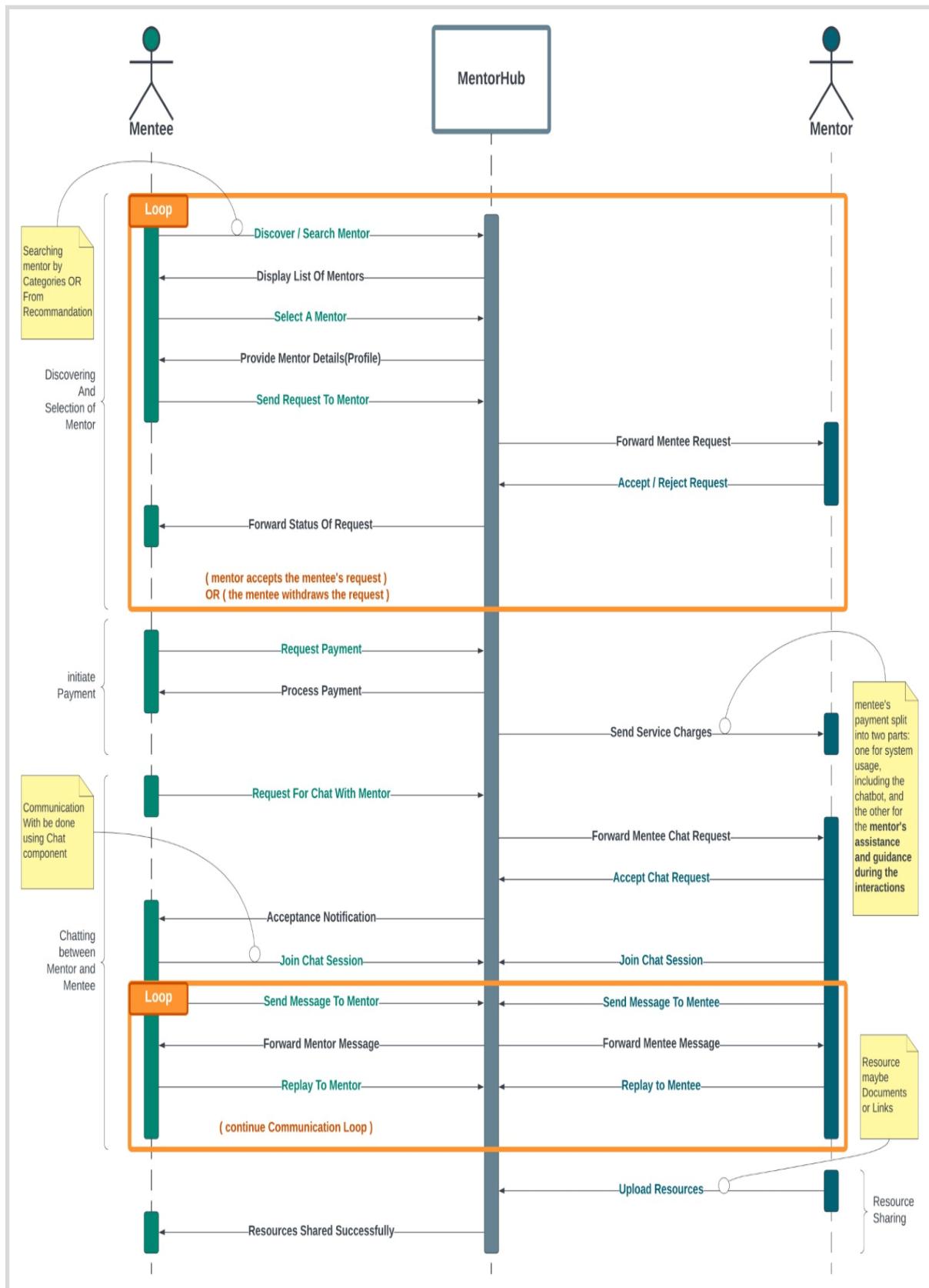


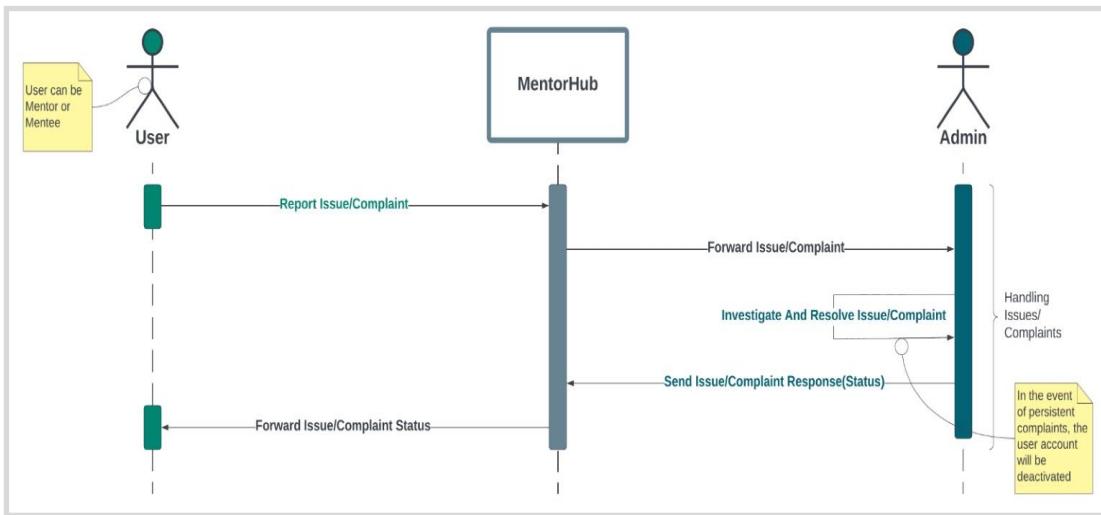
3.4 Sequence Diagram

The sequence diagram is a visual story of how actions unfold in Mentor-Hub. It shows the step-by-step interactions between users and the system.



Mentor-Hub





3.5 Operation Contract

The Operation Contract captures the essence of system changes during an operation. It defines the purpose of each operation and helps in detailing what happens when an event occurs.

The contract, derived from a system sequence diagram, focuses on a single event.

Name	Registered User Operation
Responsibilities	Create a new user account, validate details, and grant system access.
Cross References	<ul style="list-style-type: none"> • UC-1 (User Registration) • System functions (User Registration)
Exceptions	Invalid email/username prompts, other validations display error messages.
Preconditions	Stable internet, valid email/username, no existing account.
Postconditions	Successful account creation, secure storage of login credentials, user access.

Name	Validate User Login Credentials Operation
Responsibilities	Verify user credentials, grant access upon successful authentication.
Cross References	<input type="checkbox"/> Use Case UC-2 (Login) <input type="checkbox"/> System functions (User Login)

Exceptions	Google account login, redirection to Signup, incorrect credentials, password reset.
Preconditions	Registered account, valid login credentials
Postconditions	Successful login, redirection to Home upon authentication.

Name	Update User Profile Operation
Responsibilities	Update user profile details, including personal information, skills, and projects.
Cross References	<ul style="list-style-type: none"> • UC-3 (Manage Profile) • System functions (User Profile)
Exceptions	Rollback on update error, display error message
Preconditions	Logged-in user, navigation to profile management.
Postconditions	Successful profile update, saved profile for new entries.

Name	Manage Mentor Insights Hub Operation
Responsibilities	Enable mentors to add/delete business advice in the mentor Insights.
Cross References	<ul style="list-style-type: none"> • UC-4 (Manage Mentor Insights Hub) • System functions (Mentor Insights Hub)
Exceptions	1-The mentor attempts to delete advice that was not posted by them.2-The mentor attempts to copy/paste advice that was not posted by them.
Preconditions	Logged-in mentor, created profile.
Postconditions	Successful addition, editing, or deletion of mentor's advice, display updates.

Name	View Mentor Insights Hub Operation
Responsibilities	Enable mentees to access and view business advice in the mentor Insights Hub.
Cross References	<ul style="list-style-type: none"> • Use Case UC-5 (View Mentor Insights Hub) • System functions (Mentor Insights Hub)
Exceptions	No relevant advice found.

Preconditions	Logged-in mentee, available advice
Postconditions	Successful viewing of business advice in the mentor Insights Hub.

Name	Discover Mentor Operation
Responsibilities	Allow mentees to explore mentors based on preferences.
Cross References	<input type="checkbox"/> UC-6 (Discover Mentor) <input type="checkbox"/> System functions (Discover Mentor)
Exceptions	<ol style="list-style-type: none"> If no mentor is available based on the selected category, website should display a message indicate that no mentor was found. If the mentee does not have a created profile, they cannot utilize the mentor discovery feature such as recommendation based upon mentee skills
Preconditions	Logged-in mentee, completed profile.
Postconditions	Successful discovery of mentors based on selected categories.

Name	Mentor Selection Operation
Responsibilities	Initiate mentorship request, notify and handle mentor's response
Cross References	<ul style="list-style-type: none"> UC-7 (Mentor Selection) System functions (Mentor Discover/Mentor Selection)
Exceptions	Mentor rejects request.
Preconditions	<p>1-The mentee must be logged in to access and initiate the mentorselection process.</p> <p>2-The mentee has completed the mentor search and profile reviewprocess and has selected a mentor for the mentorship request.</p>
Postconditions	Notification of mentor's decision, proceed to payment if accepted.

Name	Make Payment Operation
Responsibilities	Initiate and complete payment process for mentorship services.
Cross References	<ul style="list-style-type: none"> UC-8 (Make Payment) System functions (Make Payment)
Exceptions	Invalid credit card details, insufficient funds.

Preconditions	Logged-in mentee, selected and approved mentor, valid payment account
Postconditions	Successful payment, access to mentorship services, and Chatbot initiation.

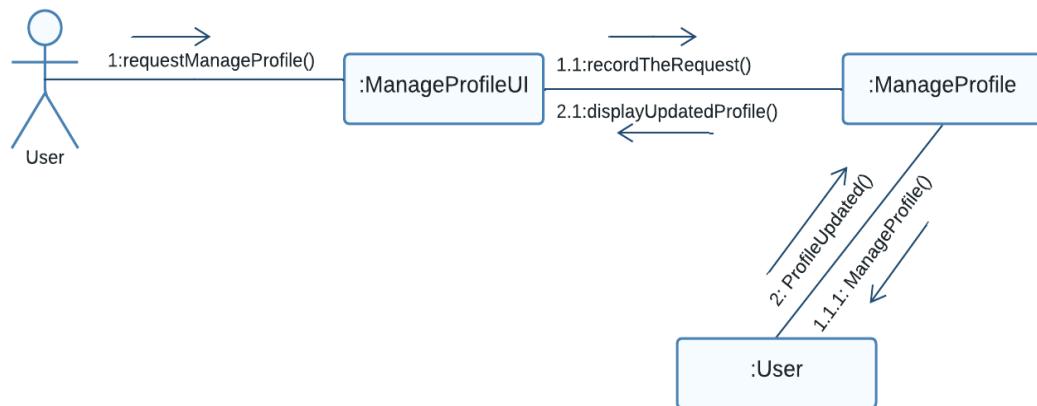
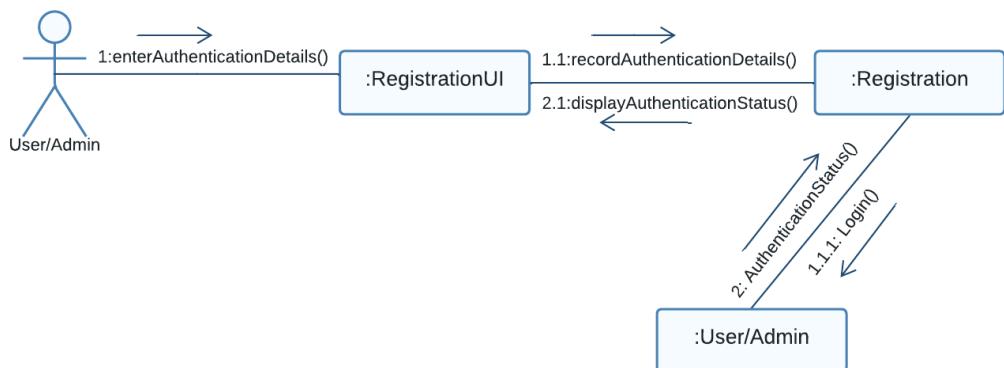
Name	Engage In Chat Conversation Operation
Responsibilities	Facilitate Mentee's request for a conversation with a Mentor.
Cross References	<ul style="list-style-type: none"> • UC-9 (EngageInChatConversation)
Exceptions	System encounters an error during the initiation of the conversation request
Preconditions	<ol style="list-style-type: none"> 1. User must have a stable internet connection to access the website. 2. The Mentor and Mentee are registered users. 3. Mentor must accept user as his Mentee and Mentee already perform MakePayment operation.
Postconditions	The Mentor/Mentee gains valuable information, advice, or resources through the chatbot interaction.

Name	Give Feedback To Mentor Operation
Responsibilities	Allow Mentees to give feedback to Mentors after a mentorship interaction.
Cross References	<ul style="list-style-type: none"> • UC-13 (GiveFeedback)
Exceptions	Empty Reviews Submission: Mentee may submit empty reviews or submit such reviews which has no meaning ("Review contains all")
Preconditions	<ol style="list-style-type: none"> 1. User (Mentee) is logged into the Mentor-Hub platform. 2. Mentee has engaged in a mentorship interaction. <ol style="list-style-type: none"> 3.1 User participates in a mentorship session or utilizes resources shared by the Mentor. 3.2 After the interaction, User navigates to the "Rating and Review" section. 3.3 User gives feedback to the Mentor or the overall interaction based on satisfaction. 3.4 User has the option to provide a written review. 3.5 User submits the provided rating and review through the platform.

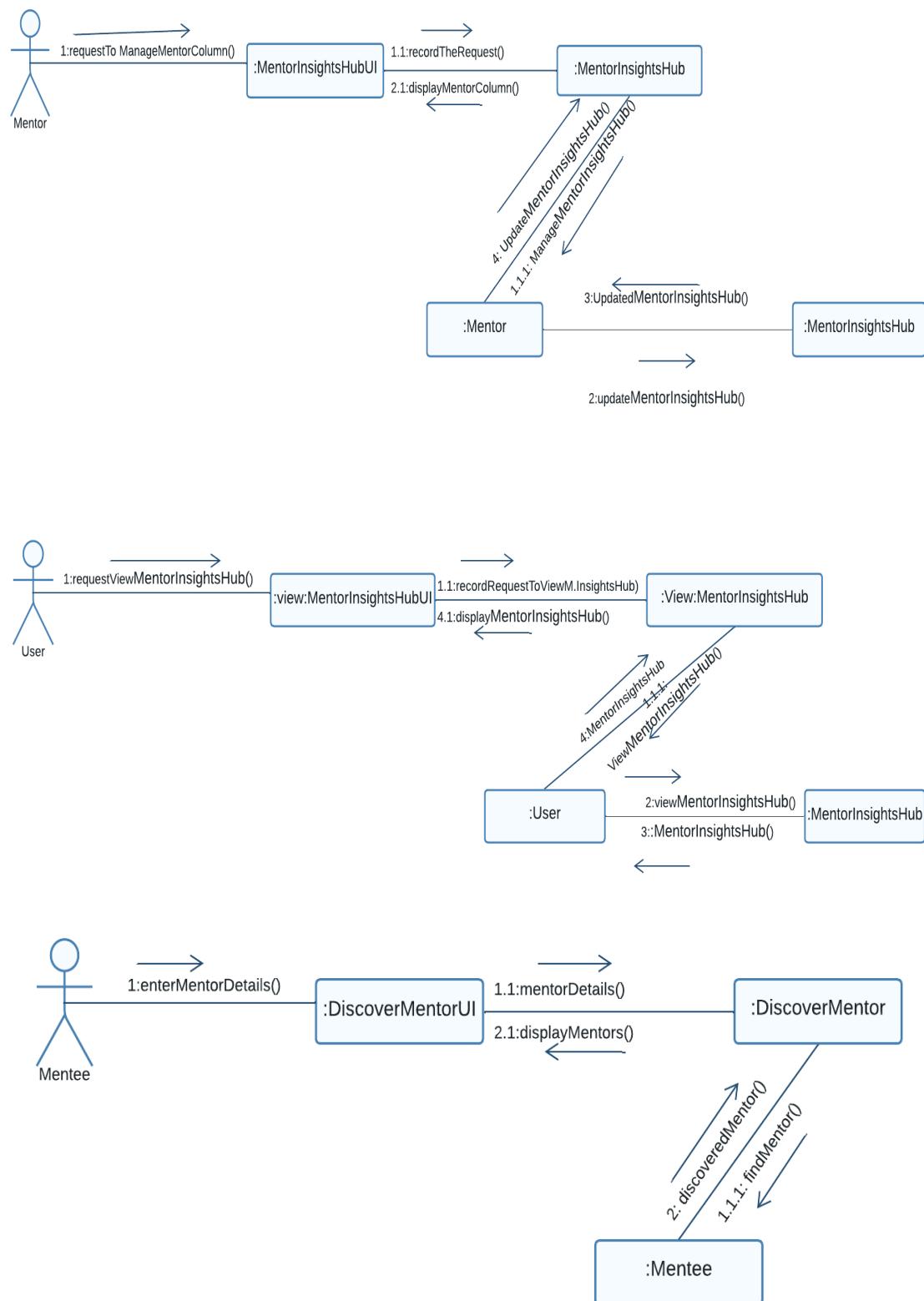
Postconditions	<ol style="list-style-type: none"> 1. Mentor receives the User's feedback for the specific interaction. 2. Mentor-Hub platform maintains a record of feedback.

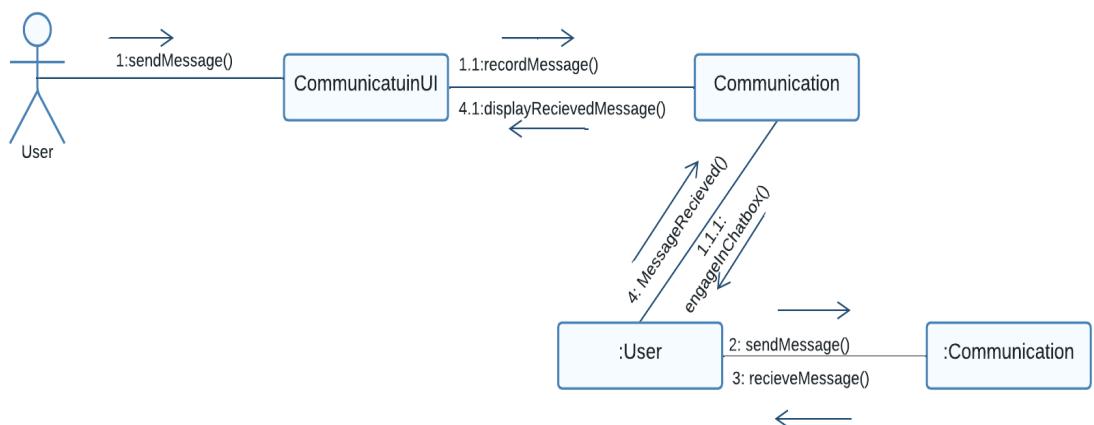
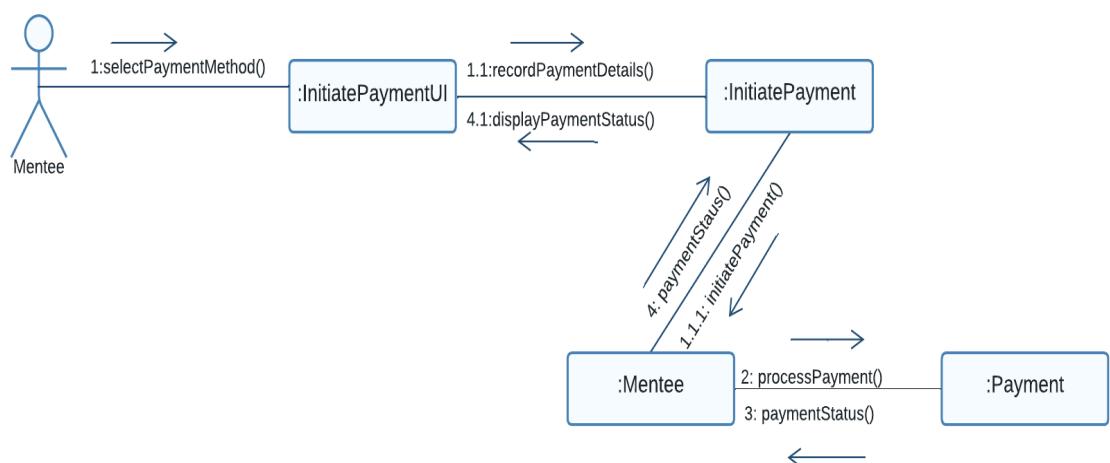
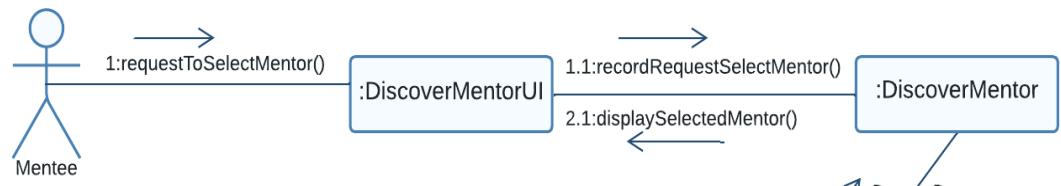
3.6 Collaboration Diagram

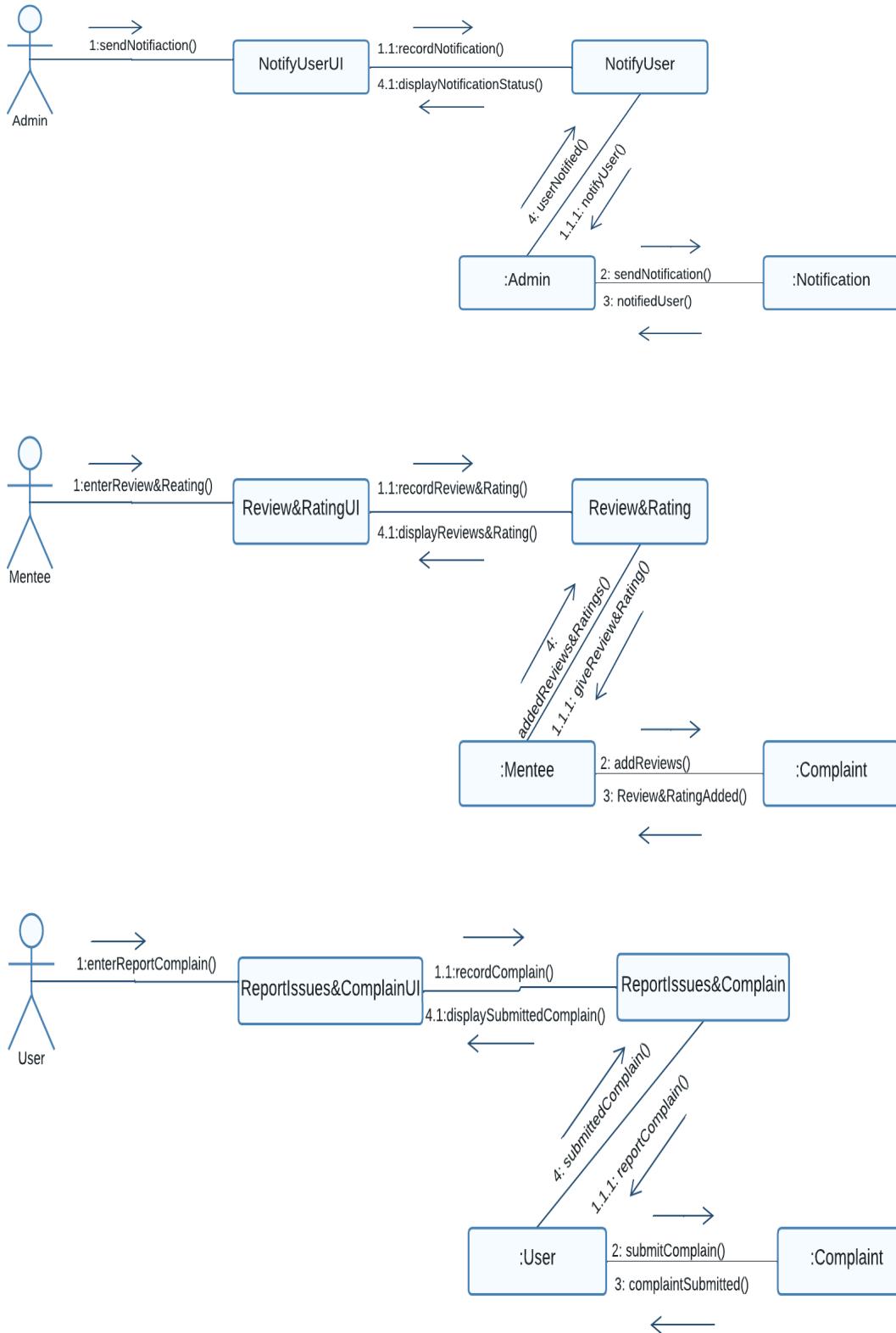
The collaboration diagram reveals how different parts of Mentor-Hub work together, illustrating the relationships and interactions among actors and system components

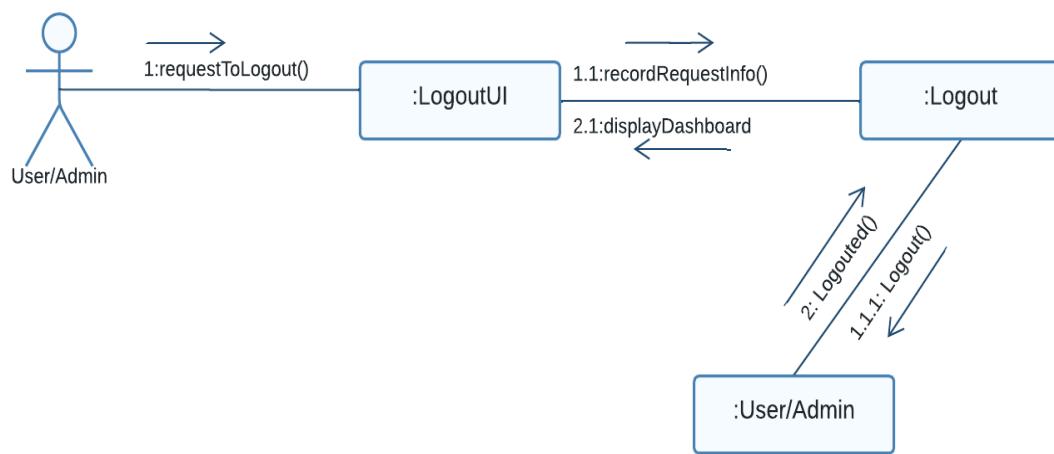
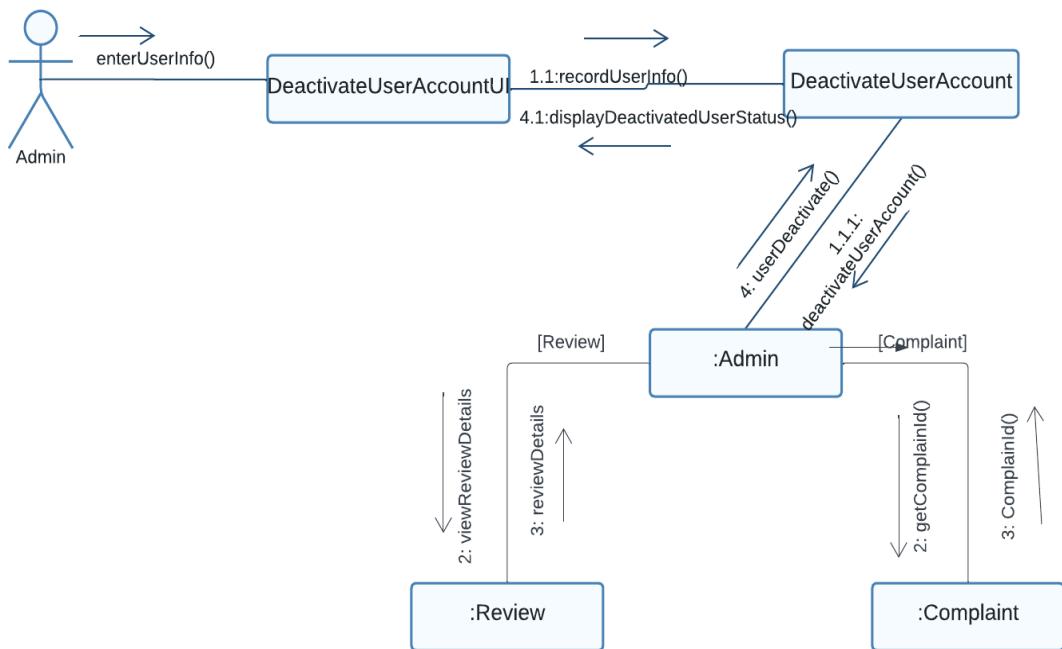


Mentor-Hub



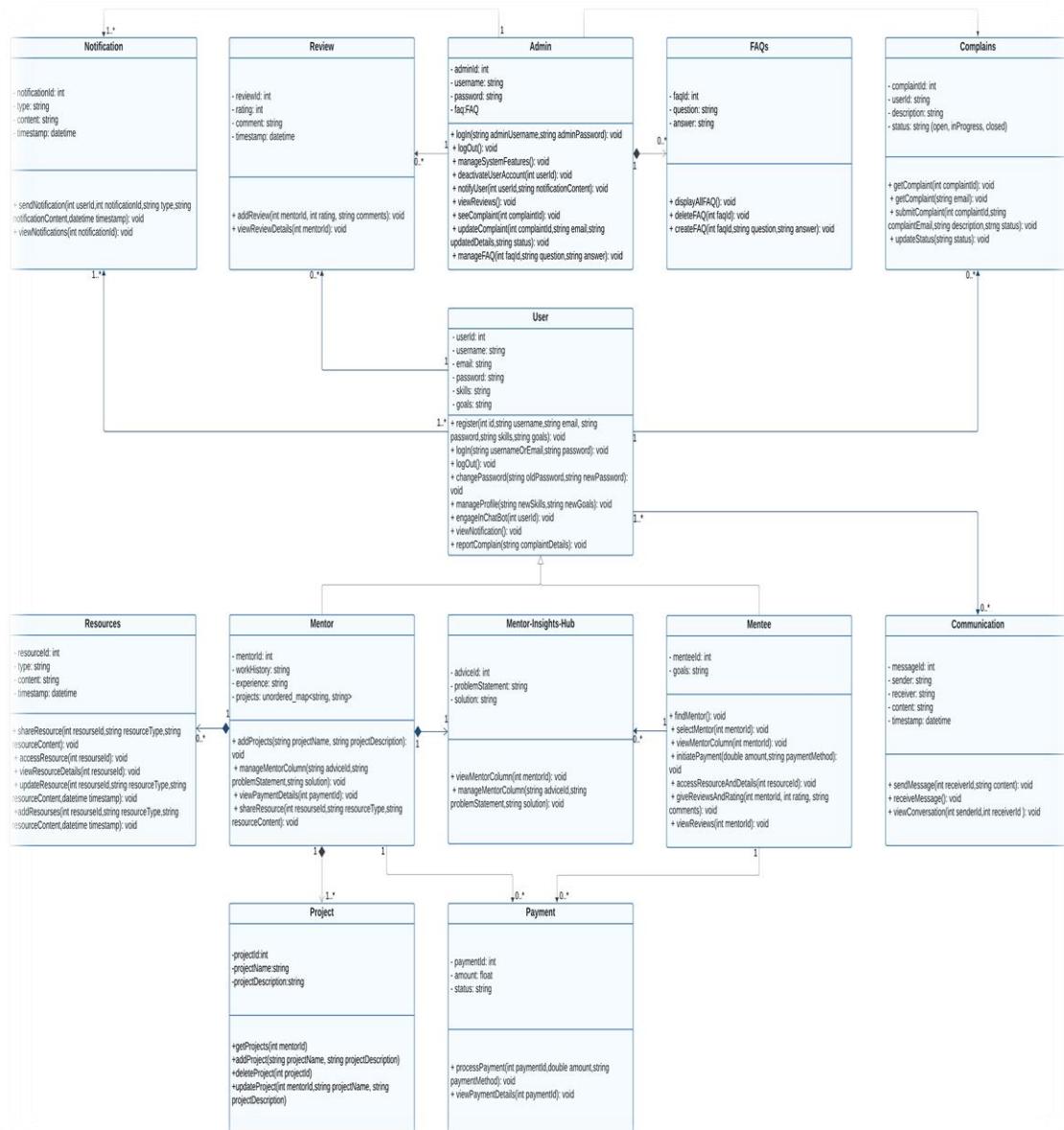






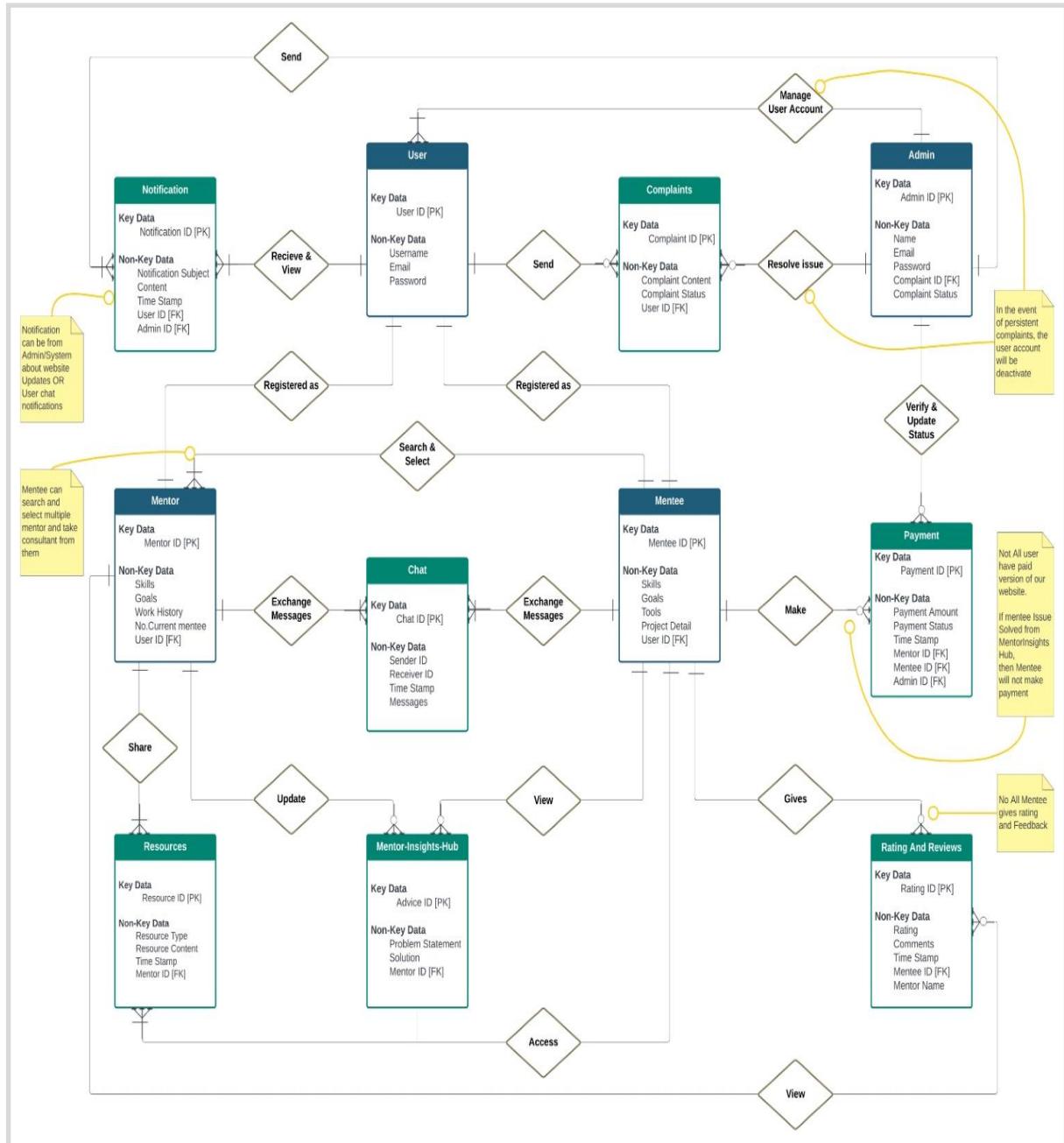
3.7 Design Class Diagram

The class diagram illustrates Mentor-Hub's structure, showcasing the relationships and attributes of key components



3.8 Data Model

The data model overview is a key reference for understanding how Mentor-Hub stores and manages information. It outlines the structure of data entities, relationships, and attributes.



Chapter 4

Prototyping

4.1 Prototypes

The screenshot shows the MentorHub login page. At the top, there's a green header bar with the 'MentorHub' logo on the left and navigation links for 'Dashboard', 'About', 'Service', and 'Contact' on the right. A search icon and a 'Browse Mentor' button are also present. Below the header, a 'Welcome Back' message is displayed, followed by a 'Log in with Google' button. To the right of the Google button are two buttons: a yellow 'Login' button and a grey 'Register' button. On the left side of the main content area, there are three input fields labeled 'Username', 'Email', and 'Password', each with a corresponding text input box. To the right of these fields is a blue rounded rectangle containing a white illustration of a person standing next to a laptop, with a small speech bubble above them. At the bottom of the page is a green footer bar with the 'MentorHub' logo, a tagline 'Linking entrepreneurs and marketers with experienced mentors who truly enjoy assisting others', social media icons for Facebook, Twitter, LinkedIn, Instagram, and YouTube, and four links under the headings 'Company' and 'Platform': 'FAQs', 'About Us', 'Contact Us', 'Become a Mentor', 'Become a Mentee', and 'Mentor Insights'.

1. Enter Details :

Username
Email
Password

Login >>

MentorHub
Linking entrepreneurs and marketers with experienced mentors
who truly enjoy assisting others

[FAQs](#) [About Us](#) [Contact Us](#)

[Become a Mentor](#) [Become a Mentee](#) [Mentor Insights](#)

MentorHub

Home About Service Contact **Browse Mentor**

Welcome to MentorHub

Your dedicated platform for transformative mentorship experiences.

Register **Login**

Why Choose Us

- Mentor Insights**
- Discover Mentor**
- Chat with Mentor**

Experience Growth with us - Innovate your Journey

- 1** Explore Expert Mentor Advice – On the House for Mentee
- 2** Discover & Connect with seasoned mentors
- 3** receive mentor recommendations based on their profile details
- 4** Engage in Conversations with Experienced Mentors
- 5** Access Mentor-Guided Insights to Propel Your Entrepreneurial Journey
- 6** Embark on a Collaborative Path to Success, Guided by Experienced Mentors

Discover Growth Together

Boost your business dreams with MentorHub – where expert advice meets creative innovation

- 2500+ Startup**
- 1900+ Mentee**
- 1000+ Mentor**
- 350+ Advices**

MentorHub Linking entrepreneurs and marketers with experienced mentors who truly enjoy assisting others 	Company FAQs About Us Contact Us	Platform Become a Mentor Become a Mentee Mentor Insights
---	--	--

Dashboard About Service Contact 

Profile



Hi Alyssa

Complete your Profile step by step



- 1 Personal Details
- 2 Education
- 3 Projects
- 4 Experiences
- 5 Skills And Interests
- 6 Awards And Certificate
- 7 Service Details

1. Personal Details

Full Name

Date Of birth Gender

Country Email

Summary

Save

MentorHub

Linking entrepreneurs and marketers with experienced mentors
who truly enjoy assisting others



Company [FAQs](#) [About Us](#) [Contact Us](#)

Platform [Become a Mentor](#) [Become a Mentee](#) [Mentor Insights](#)

MentorHub Dashboard About Service Contact [Browse Mentor](#)

Find a advice that solve your startup issues

Popular Category

[Administration Services](#) [Advertising](#) [Agriculture & Farming](#)
[IT and AI](#) [Business](#) [Biotechnology](#)

Advices

John Sarder
Founder And CEO at Skief Lab
12 Dec 2023

Title : Google & Yahoo's New Anti-spam Rules: What Does it Mean for Cold Emails?

John Sarder
Founder And CEO at Skief Lab
12 Dec 2023

Title : Google & Yahoo's New Anti-spam Rules: What Does it Mean for Cold Emails?

John Sarder
Founder And CEO at Skief Lab
12 Dec 2023

Title : Google & Yahoo's New Anti-spam Rules: What Does it Mean for Cold Emails?

John Sarder
Founder And CEO at Skief Lab
12 Dec 2023

Title : Google & Yahoo's New Anti-spam Rules: What Does it Mean for Cold Emails?

[1](#) [2](#) [3](#)

MentorHub
Linking entrepreneurs and marketers with experienced mentors who truly enjoy assisting others

Company
[FAQs](#)
[About Us](#)
[Contact Us](#)

Platform
[Become a Mentor](#)
[Become a Mentee](#)
[Mentor Insights](#)

© Punjab University College of Information Technology, University Of The Punjab.

63

MentorHub Dashboard About Service Contact

Create Advice

Complete the 2 Steps to post the Advice in Mentor Insight Hub

1 2

1. Basic Details of Advice :

Topic of Advice

Skills

Industry And Field



MentorHub
Linking entrepreneurs and marketers with experienced mentors
who truly enjoy assisting others



Company **Platform**
FAQs Become a Mentor
About Us Become a Mentee
Contact Us Mentor Insights

MentorHub

Dashboard About Service Contact  [Browse Mentor](#)

Create Advice

Complete the 2 Steps to post the Advice in Mentor Insight Hub

1 —————→ 2

2. Contents of Advice :

Statement

Description



Post

MentorHub

Linking entrepreneurs and marketers with experienced mentors
who truly enjoy assisting others

Company	Platform
FAQs	Become a Mentor
About Us	Become a Mentee
Contact Us	Mentor Insights

© Punjab University College of Information Technology, University Of The Punjab.

65

MentorHub

Dashboard About Service Contact

[Back](#)

Arham Samia

Search User

Samia: Typing....

Ahmed: okay

John: share file

Esha: please, guide me

Ali: yeah, update it

Umer: Send again

Aiza: thanks

John: not available

Hina: mistakes

Rida: follow rules

Samia: hey, Have you seen my issue

Arham: Yeah, i seen it

Samia: Then plz guide me

Arham: please steps from this link
<https://google.drive.com/drive/>

Samia: Thank you so much

Type Something

MentorHub

Linking entrepreneurs and marketers with experienced mentors who truly enjoy assisting others

Company **Platform**

FAQs Become a Mentor

About Us Become a Mentee

Contact Us Mentor Insights

© Punjab University College of Information Technology, University Of The Punjab.

66

Chapter 5

UI/UX

5.1 User Manual

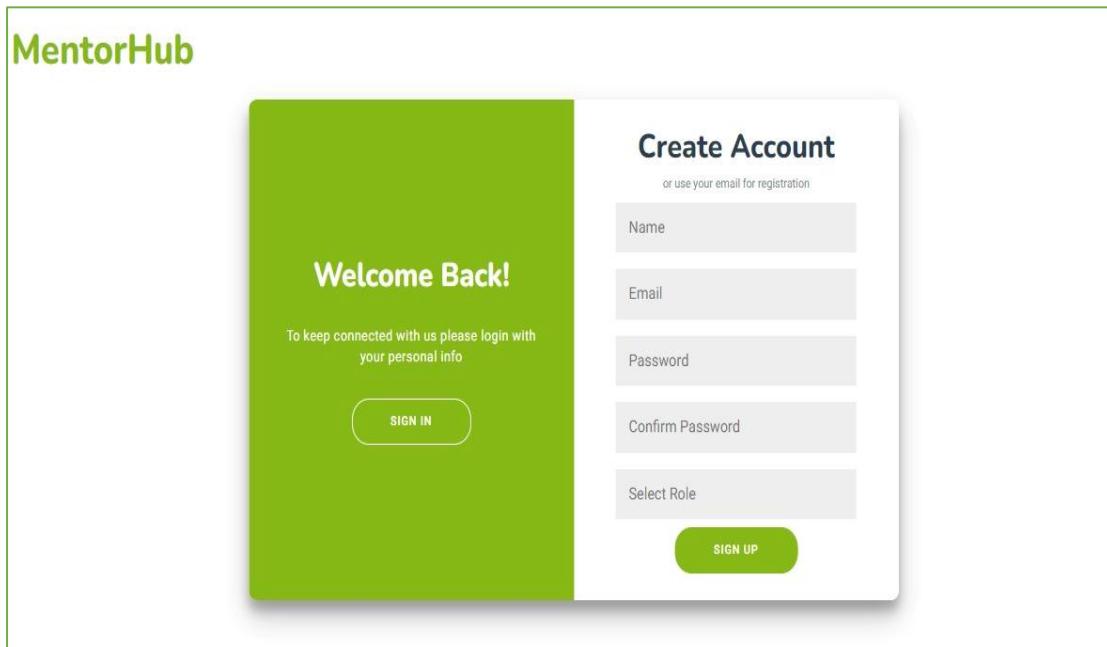


Fig 5.1.1: Sign up

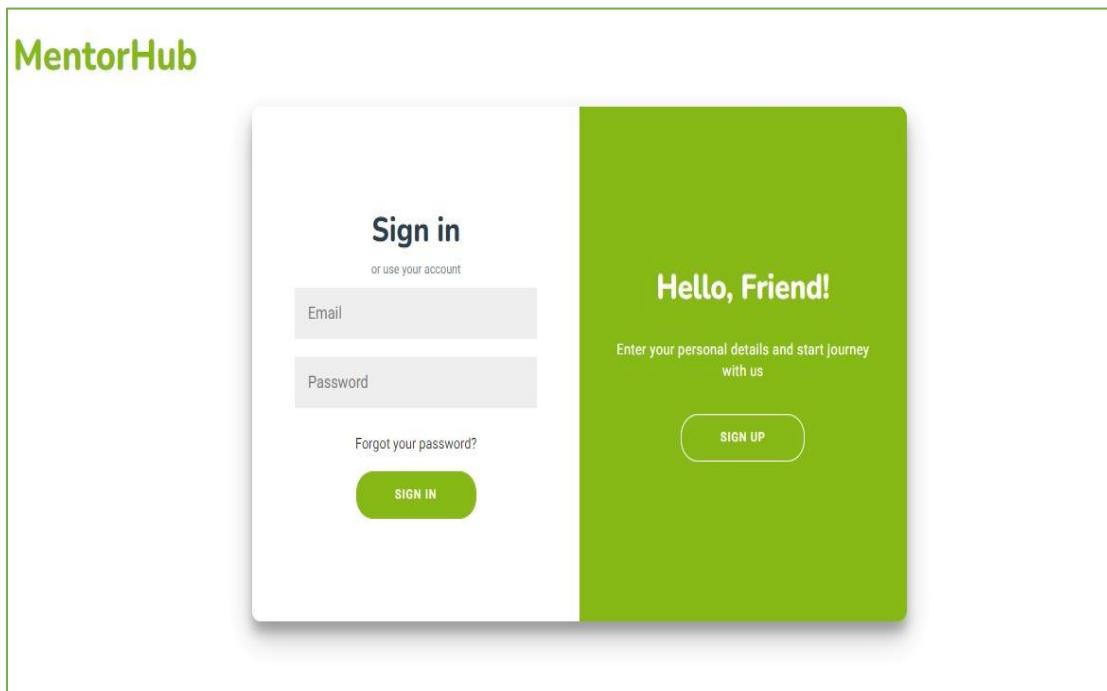


Fig 5.1.2: Sign in

Fig 5.1.3: Create Profile

Fig 5.1.4: View Profile

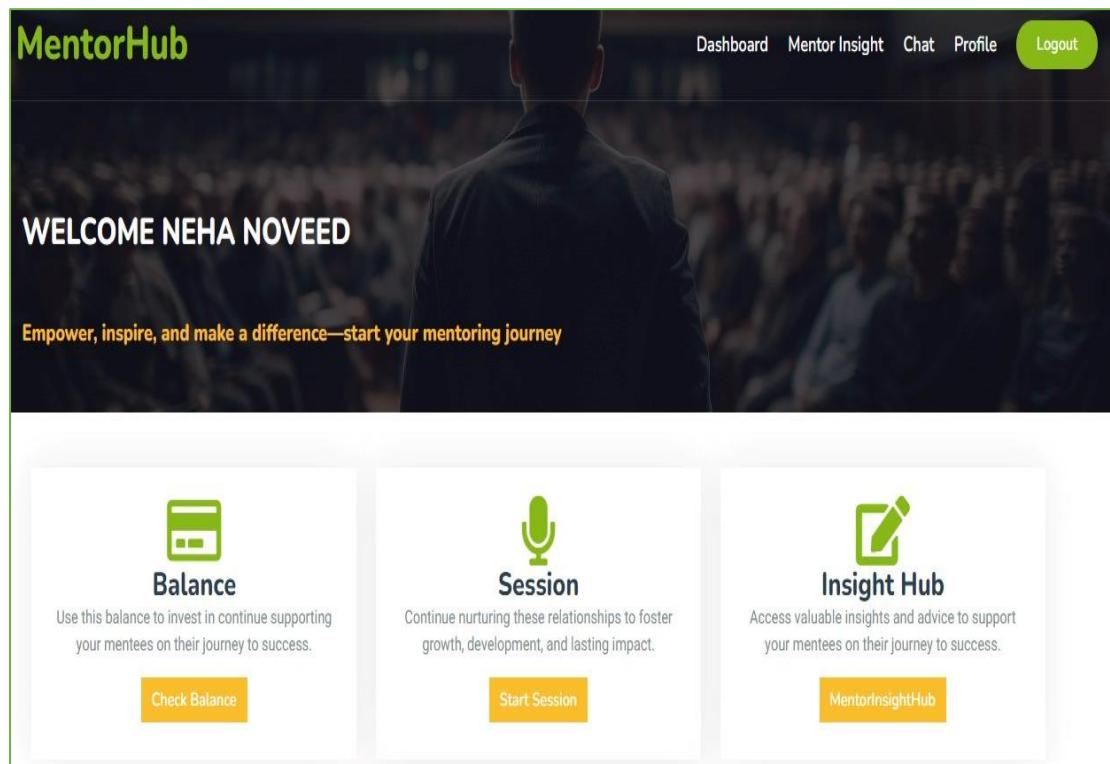


Fig 5.1.5: Mentor dashboard

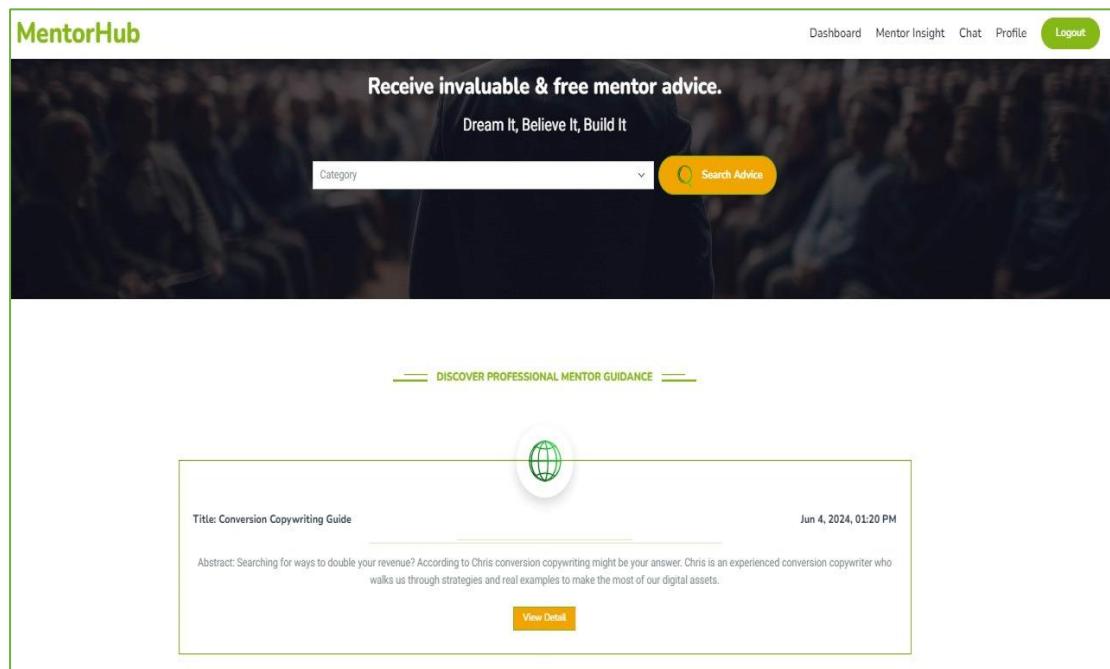


Fig 5.1.6: Search Mentor's Insight (Advice)

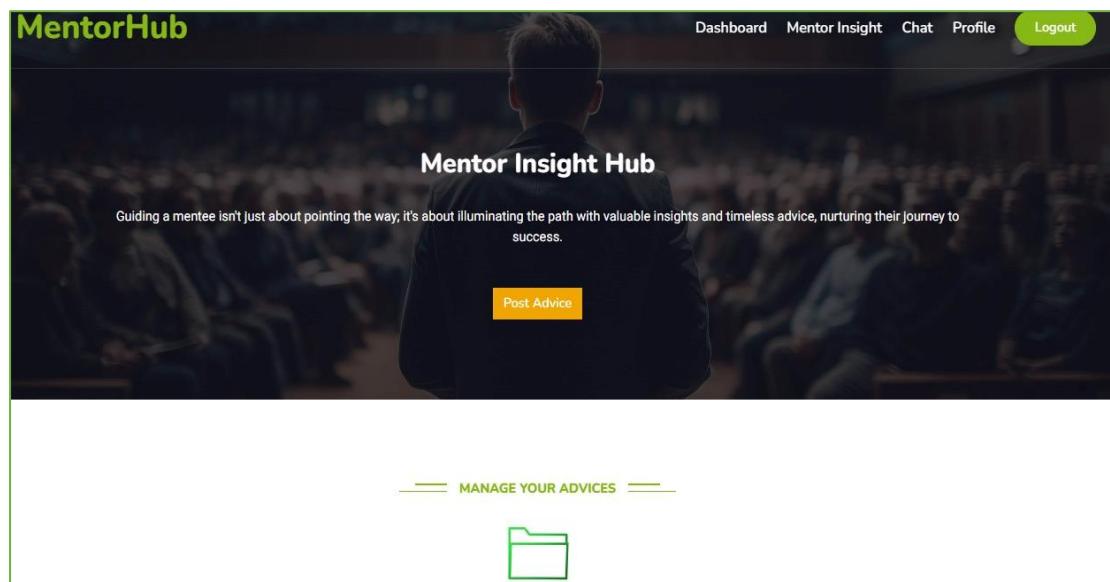


Fig 5.1.7: Mentor Insight Hub(Manage Advice)

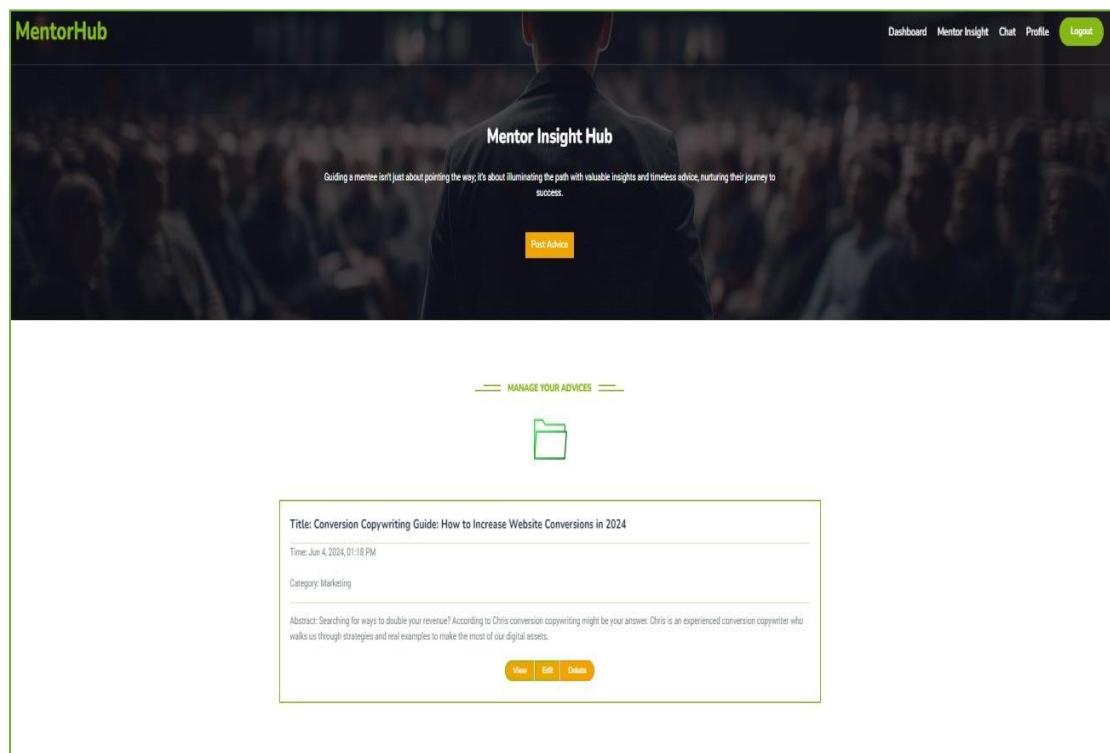


Fig 5.1.7.1: Mentor Insight Hub(Manage Advice)

The screenshot shows the 'Post Advice' section of the MentorHub platform. At the top, there's a green header bar with the 'MentorHub' logo. Below it is a white form area with several input fields and sections:

- Detailed Information:**
 - Title:** A text input field containing "Describe your goal".
 - Category:** A dropdown menu set to "Category".
 - Abstract:** A text input field containing "Statement".
- Detail of Advice:**
 - A toolbar with various font and style options.
 - A text input field with placeholder text "Give your project detail...".

Fig 5.1.8: Post Advice

This screenshot displays a detailed view of an advice post titled "Guide" under the "Marketing" category, posted on June 4, 2024, at 03:44 PM. The post includes an abstract about doubling revenue. The main content is titled "What is conversion copywriting?" and discusses its role in digital marketing. It features a chart titled "Attention Spans Are Getting Shorter" comparing attention spans across different media platforms. Below the chart is a video thumbnail for "Airbnb introduces the..." and a section on direct response copywriting. The page also includes a sidebar with a search icon and other navigation links.

Fig 5.1.9: View Advice

Edit Advice

Detailed Information

Title: Conversion Copywriting Guide: How to Increase Website Conversions in 2024

Category: Marketing

Abstract: Searching for ways to double your revenue? According to Chris, conversion copywriting might be your answer. Chris is an experienced conversion copywriter who walks us through strategies and real examples to make the most of our digital assets.

Detail of Advice

Content:

What is conversion copywriting?

It's the art and science of crafting **compelling messages** that drive your readers to take specific actions. This could mean anything from making a purchase, filling out a form, downloading an ebook, signing up for a newsletter, or hitting that "like" button on YouTube.

You might already be familiar with the term **copywriting**. But how is **conversion copy** different from what's out there? Let's break it down:

- Definition:** Think of **conversion copy** as the copy that's designed for a particular action, e.g. **get new users**, a sales page, **mentor guide**, a video sales letter, etc. As the name implies, this is a copy designed to get an almost immediate, measurable response. On the other hand, not all **conversion copy** has to necessarily produce a response (like a copy for your "About us" page for example), but might lead to it.
- Content writing:** Content sounds a connection with **copywriting**. It's about sharing valuable information, sparking discussions, and establishing yourself as a go-expert. While it can include elements of conversion copywriting, its main goal is often to engage and inform. This is the writing you put on blog posts, has this one. Think "education and engagement".
- Traditional advertising:** Traditional advertising is the old school cousin of conversion copy. You can find it in print advertising, like brochures and billboards. It's all about selling, but it doesn't always have the lead-focused goal of conversion copywriting does. Traditional advertising copy is also known as **marketing copy**.

This gives you a pretty good idea.

But how do you actually **create copy** that really **drives action**, unless you write copy that starts from your understanding their wants, needs, fears, and aspirations.

I based my **conversion copywriting** on what I learned from the top conversion copywriters out there on how they would define it. They all agree on this:

Laura Fitton: "How do you define conversion copywriting? Pretty much the same way [Aaron Weber](#) who invented the term defines it: Copy built on customer research that **causes** (not **causes**) **real** **actions** or **best guesses** that gets people to take action."

John Gutfreund: "I define conversion copywriting as building bridges between the mentor's wants, needs, and desires and my client's products and services. Doing this well requires understanding the market and its players (positioning), knowing which angles to touch on (messaging), and which words to use to inspire action (writing)."

John Boddy: "Conversion copywriting is copy that is direct and generates clear, measurable results. It's not content."

John Boddy: "Conversion copywriting is words that make people take action!"

Brennan?: Simple, just do it...

Update

Fig 5.1.10: Edit Advice

Packages

Home / Pages / Packages

Awesome Mentee Packages

2 Person	2 Person	2 Person
★★★★★	★★★★★	★★★★★
<ul style="list-style-type: none"> Access essential features Search mentor or advice Basic support 	<ul style="list-style-type: none"> Access essential features Search mentor or advice Priority support Additional perks 	<ul style="list-style-type: none"> Access essential features Search mentor or advice Premium support Exclusive benefits Personalized mentorship Advanced tools
Buy Now	Buy Now	Buy Now

Fig 5.1.11: Packages of Payment

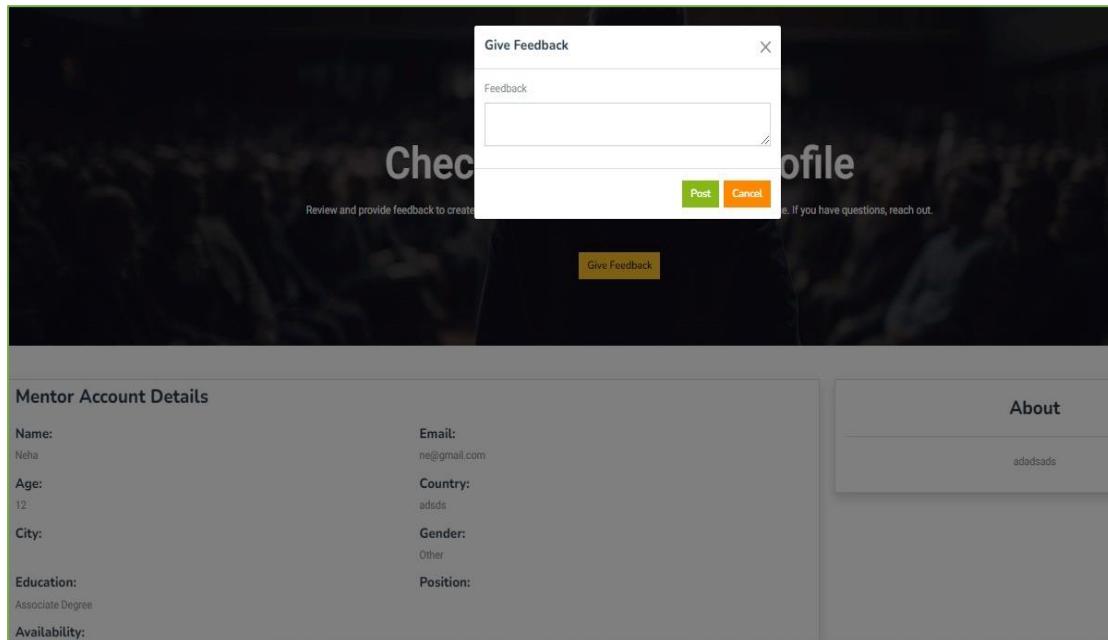


Fig 5.1.12: Give feedback(to mentor)

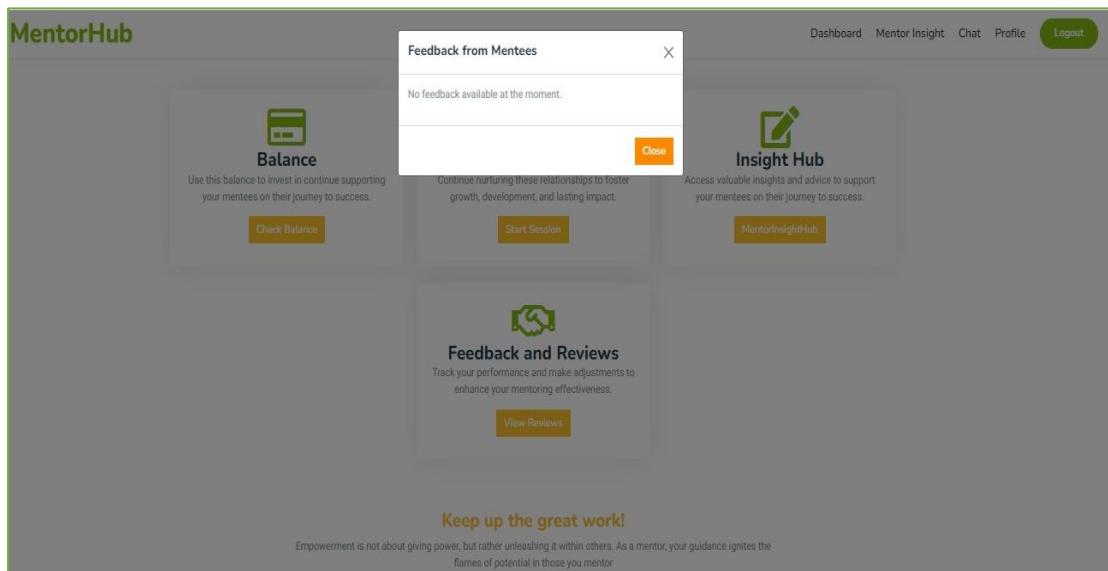


Fig 5.1.13: View Feedbacks (from mentee)

Chapter 6

Final Deployment

6.1 Code URL

<https://github.com/Aiza22-del/MentorHub>

Chapter 7

Conclusion & Future Work

7.1 Conclusion

In conclusion, the Mentor-Ship Platform represents a pivotal advancement in the realm of startup entrepreneurship, offering a beacon of hope and opportunity amidst the ever-evolving landscape. Through our innovative web-based mentoring system, we have successfully bridged the divide between aspiring founders and seasoned mentors, fostering invaluable connections and nurturing a supportive community. Our mission was to develop this platform was met with resounding success, as we meticulously incorporated features such as real-time chat with mentors, an insightful hub for mentorship resources, and streamlined payment functionalities. This achievement stands as a testament to the collaborative efforts of our dedicated team. As we embark on this transformative journey, let us continue to innovate, collaborate, and inspire, paving the way for a brighter future of entrepreneurship. Together, we can shape a landscape where aspirations are met, dreams are realized, and success knows no bounds. We are confident that the Mentor-Ship Platform will not only fuel economic growth but also empower the next generation of entrepreneurs to realize their full potential.

7.2 Future Work

In addition to all features, we will also try to cover three more useful functionalities in our Mentorship Platform:

1. Interactive Forums and Discussions:

Enable founders and mentors to engage in vibrant discussions, share ideas, seek guidance, and collaboratively solve challenges.

2. Recommendation of Founder-Mentor Matchmaking (Machine Learning)

Implement an algorithm that suggests suitable mentors to founders based on their goals, skills, and expertise. This enhances the matchmaking process and helps founders find the right mentor.