System for Tracking and Assessing Issues of Students in College Life

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Abstract –

This project explores the development and implementation of a web-based platform designed to connect mentors and mentees, fostering meaningful interactions through messaging and appointment scheduling. The platform aims to bridge the gap between individuals seeking guidance (mentees) and experienced professionals willing to share their expertise (mentors). By offering a user-friendly interface and various functionalities, the website seeks to streamline the mentorship process, creating a conducive environment for communication and learning. The platform's primary features include comprehensive user profiles, a secure messaging system enabling direct communication between mentors and mentees, and an intuitive appointment scheduling mechanism. Mentors can showcase their expertise and availability, while mentees can search for mentors based on specific criteria and request appointments at their convenience. The project delves into the technological and design considerations essential for the platform's success, emphasizing the significance of a secure messaging system, personalized user experiences, efficient appointment scheduling, and reliable data privacy measures. Additionally, the implementation of a robust review and feedback system fosters trust and transparency, allowing mentees to make informed decisions when selecting mentors.

Key Words: Web platform, mentorship, communication, mentoring, messaging, appointment

1.INTRODUCTION

The purpose of developing this mentoring website is to create a comprehensive and user-friendly platform that facilitates effective communication and seamless interaction between mentors and mentees. The primary goal is to establish an online environment that nurtures mentorship connections, encouraging knowledge sharing and professional guidance across various fields and industries.

Key Objectives:
1) Streamline Appointment Scheduling
2) Promote Knowledge Sharing
3) Expand Mentorship Opportunities

2.LITERATURE REVIEW

The literature survey examining existing systems in the realm of mentoring platforms reveals a diverse landscape of digital environments designed to facilitate mentor-mentee interactions. A comprehensive overview of these systems demonstrates the varied functionalities, features, and user experiences currently available. Existing platforms offer a range of messaging tools that enable direct communication between mentors and mentees, fostering valuable exchanges and guidance. Appointment scheduling mechanisms are prevalent, providing users the ability to book sessions with mentors based on their availability and expertise.

User interface designs in these platforms play a crucial role, emphasizing user-friendly experiences that prioritize ease of use and satisfaction. Security and privacy measures are of paramount importance, ensuring the protection of user data and communications. Additionally, robust feedback and review mechanisms contribute to building trust and transparency among users.

3. DIAGRAMS
I. Use-case diagram:
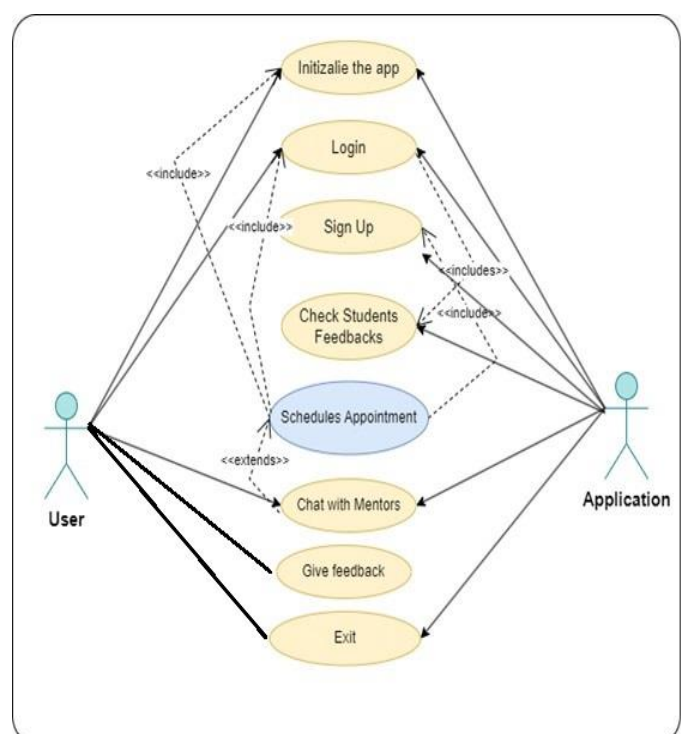
- Initialize the Website: The user launches the Website.
- Login or sign up: If the user is already registered, they can log in to their account. If not, they can sign up for a new account.
- Check students' feedback: The user can view feedback from other students about mentors on the platform.
- Chat with mentors: The user can chat with mentors in real time to get help with problems or ask questions.
- Schedule an Appointment: The user can schedule an Appointment with a mentor to discuss a problem in more detail.
- Give feedback: The user can give feedback about their experience with the mentor.

Exit the Website: The user can exit the Website at any time.

The diagram also shows the different states that the user can be in as they interact with the Website

The diagram shows that the user can move between the different states depending on their needs. For example, the user can move from the Chat with mentors state to the Schedule an appointment state if they need to discuss a problem with a mentor in more detail.

II. SYSTEM ARCHITECTURE
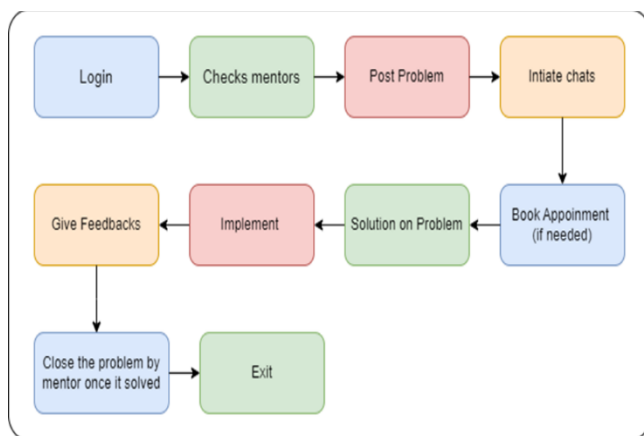
- Login: The user logs in to the mentoring platform.
- Checks mentors: The user checks the list of available mentors and selects one to work with.
- Posts problem: The user posts their problem on the platform.
- Initiates chats: The user initiates a chat with the mentor to discuss the problem.
- Gives feedback: The user gives feedback to the mentor on the proposed solution.
- Implements solution on problem: The user implements the mentor's proposed solution to their problem.
- Books appointment (if needed): The user books

an appointment with the mentor to discuss the progress of the solution or to get additional help.

- Exits the platform: The user exits the mentoring platform.
- Closes the problem by mentor once it is solved: The mentor marks the problem as solved once the user has implemented the solution and is satisfied with the outcome.
- The flowchart also shows the different decision points in the process. For example, the user may decide to book an appointment with the mentor if they need additional help with the solution. Or, the mentor may decide to close the problem.

4. CONCLUSIONS

The development of a mentoring website involves a multifaceted approach that combines the intricacies of technology with the nuances of human interaction. In conclusion, this project undertakes a journey to create a user-centric platform facilitating meaningful connections between mentors and mentees in a secure and efficient virtual space. Throughout this process, the analysis of existing systems has provided valuable insights into the functionalities that are successful and areas for enhancement. These insights have laid the foundation for the proposed system, which aims to bridge the gap between seekers of guidance and experienced professionals, fostering a supportive community dedicated to knowledge sharing and growth. The requirements analysis has been instrumental in delineating the necessary features, functionalities, and safety measures. It emphasizes user-friendly interfaces, efficient communication tools, robust security measures, and the seamless integration of various functionalities critical for an effective mentoring platform.

ACKNOWLEDGEMENT

OUTPUTS
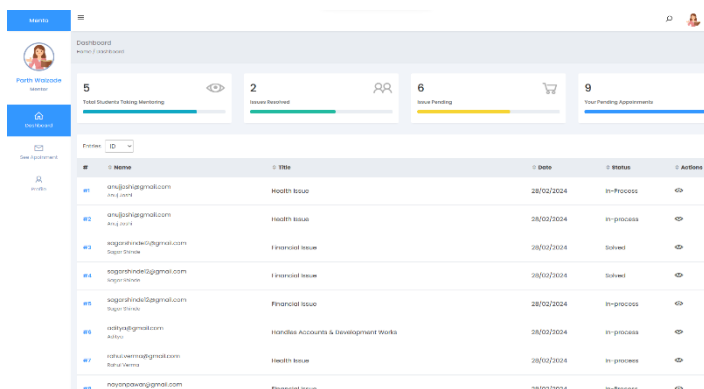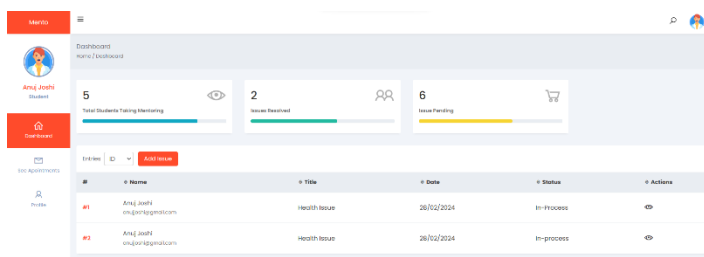
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