Team 36 Project Charter

StudySync

Team Members:
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Problem Statement:
In the modern age, individuals have a variety of tools for self-study and productivity, but these tools are often scattered and uncoordinated. Additionally, it can be difficult to coordinate studying efforts with groups of people. Our online web app aims to integrate multiple study tools into a single platform, making studying more efficient and enjoyable. These tools include a pomodoro timer, a music player integrated with Spotify API, a chatbot, collaborative notetaking, flashcards similar to Quizlet and cooperative study rooms. Using cooperative study sessions and a tree timer adds incentivised study time, where a leaderboard will keep track of total study time between participants to keep accountability. These cooperative study rooms will include a messaging board, collaborative whiteboard / document integrated with google docs, and a customizable environment. Current platforms do not offer this comprehensive set of tools in one place, leading to inefficiency and distraction.

Project Objectives:
- Develop a web application that integrates various study tools into one platform.
- Create user profiles for personalization and saving user preferences.
- Implement a variety of study tools, including a pomodoro timer, music player, chatbot, flashcards, and tree timer.
- Create an incentive to motivate users to continue studying.
- Create a social platform for the efficient communication between users and accountability.
- Enable a user-friendly interface that is easy to navigate and visually appealing.
- Ensure compatibility with various devices and browsers for accessibility.

Stakeholders:
Users: Individuals seeking an efficient, all-in-one study tool that includes social features.
Developers: Nilisha Bhandari, Sai Monish, Ryan Bui, Devan Quinn, Sophie Konger, Joseph Fleming
Project Manager: Yash Agarwal
Project Owners: Nilisha Bhandari, Sai Monish, Ryan Bui, Devan Quinn, Sophie Konger, Joseph Fleming

Deliverables:
- A front-end web application with integrated study tools using MERN stack.
- Using the Mongo-DB database with Java code for the backend. React.js, reactstrap, figma for the front end. Three.js for the customizable environments.

- User profiles for saving preferences and personalizing the experience.
- A back-end server that manages user data and tool functionality.
- A responsive and intuitive user interface.
- Comprehensive testing and documentation.