CS/SE/CE 3354 Software Engineering

Project Proposal

FocusQuest

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2. Proposed Implementation
   - FocusQuest is a mobile/web application designed to gamify productivity, track focus sessions, and provide AI-driven insights to enhance users' work and study habits. The app helps users understand their most productive times by analyzing focus patterns and offering personalized feedback.

     Users earn points, streaks, and levels based on task difficulty, encouraging habit-building and motivation. Additionally, an AI-powered chatbot is implemented to provide encouragement, focus tips, and personalized suggestions to ease the burden of hectic tasks and to break them down into subtasks. FocusQuest operates beyond work and study, it can be used to track productivity across various activities such as working out, attending classes, and cooking, since the main idea of this application is to reinforce positive habits in all aspects of life to prevent doom scrolling and excessive screen time.

3. Motivation
   - We are in a world where everything goes very fast. Staying focused is now harder than ever. Traditional productivity methods are hard to follow, Is very difficult to build lasting habits. FocusQuest tries to tackle this by combining gamification, AI-driven insights, and multi-activity tracking to make productivity attractive and personalized to everyone's needs.

     This project is an exciting challenge in terms of software engineering, requiring mobile/web development and the use of AI. FocusQuest helps users stay motivated and focused by taking advantage of technology.

4. Audience
   - FocusQuest is designed for a diverse audience with a goal of enhancing their productivity and developing lasting habits in an engaging way. Students can use this app to stay on track with their academic work, while professionals can use FocusQuest to structure their tasks effectively around project management and team morale. FocusQuest reaches out to students and professionals who share an enthusiasm for gamification, self-improvement, and developing good habits. It

offers personalized optimization of multi-task management through the lens of a video game. In essence, whether you're a student or a professional, or just someone who is willing to take productivity to the next level, FocusQuest is here to help.

5. Future development.
    ○   FocusQuest creates a productive environment that keeps users from getting distracted while incentivizing work with points and streaks. With an AI-powered chatbot, it is designed to provide personalized tips on productivity and scheduling for maximum efficiency. In future updates, FocusQuest aims to take it one step further by building a personalized schedule that leverages past data to identify peak productivity windows and assign smaller, more manageable sub-tasks. The schedule builder would enable users to balance various tasks and make time for everything they hope to do, be it personal or professional. Teams can also use the schedule builder for better collaboration and more efficient event planning. In the future, FocusQuest aims to become a reliable partner in boosting user's productivity while making the process fun and engaging.