

CS585 Project Proposal

Team Project Proposal

Team Information

- Team Name: Scrum Squad
- Product Name: WIUlyfe
- Team Members: Marissa Norris (Team Lead), Anwah Pascal, Ambika Mishra

Project Scope

- Project Type: Web Application

Project Proposal

1. Why did your team choose this topic?

To have a successful educational experience, students need to be organized and have relevant information at their fingertips. We hope to create a useful tool for students. As students here at WIU, we have not encountered a single solution that would best manage the affairs we deem essential to students.

2. What is the project about?

This project aims to be a student companion and aid students in their day-to-day activities. The web application will be multifaceted and be able to run on a mobile device. Students will have a financial planner, school/extracurricular organizer, course tracker, job/ internship helper, mental/ physical health tracker, tips and tricks for student life(automated notifications at different intervals), and future planner. This project will also help students navigate university life.

3. How can your team's current expertise help you complete the project?

As students at Western Illinois University, we have acquired skills in Java programming, server-side, and front-end Web development. Computer and information security. Other skills include teamwork, communication, time management, and creative thinking.

4. What technical difficulty do you anticipate?

- Time constraints
- Technology stack selection
- Scalability
- Performance
- User interface design

- Information security (multi-factor authentication)

5. Outline the basic timeline by month and outcome

Month	Milestones/Outcomes
Month 1	Decide on the scope of the project and submit a proposal
Month 2	Research web development/database development Brainstorming software engineering approach, requirement analysis Defining key models e.g financial planner and course tracker Use UI designer to help model the interface/frontend development Implement authentication Documentation
Month 3	Development of backend Enter mock data and alpha test Write up test scripts Integration/unit testing Add/test advanced functionalities Documentation
Month 4	Stress test Invite Beta testing from external parties Deploy web app Fix bugs & UI improvements