

## Milestones List:

- **Research and Determination:** Determining which platform and languages we will use to do this project.
- **Project Planning:** At this point we want to have a definitive plan for how we tackle and what we provide in terms of user rewards, user needs, and how to encourage user motivation.
- **Graphic Design:** We've created the layout and UI of the application.
- **Prototyping:** Created a diagram of how the user will interact with the application and all its various systems.
- **Development:** We've created intended functionality in the application, including front-end, back-end, and database creation.
- **Testing:** Write unit tests for back-end functionality and test UI using Robot Framework or another UI testing toolkit. We also plan on getting user feedback and adjusting the application based on that.
- **Launch:** Deploy web application as well as publish mobile app if we choose to pursue that avenue.

## Timeline:

Task and Milestones	Start Date	Completion Date
Create database containing user account information as well as user tasks and rewards (B)	November 2023	January 2024
Create stored procedures to access said database information (D)	January 2024	March 2024
Research and determine what development tools to use for the project (All)	October 2023	November 2023
Determine user reward methods (All)	December 2023	January 2024
Interview potential users to determine user needs for application (A)	October 2023	Early December 2023
Design/sketch storyboards for specific interface functionalities (A)	October 2023	November 2023
Create a prototype of the final product prior to implementation (All)	November 2023	Early December 2023
Research potential implementation methods for rewards/motivation (A)	October 2023	November 2023
Research designs for user interface/experience (D)	October 2023	November 2023

Develop front-end screens according to designs (A)	January 2024	February 2024
Program backend functionality and data manipulation (D)	December 2023	March 2024
Testing backend functionality (unit testing) (D)	February 2024	March 2024
Testing front end functionality using Robot Framework or similar tool (B)	February 2024	March 2024
Prepare surveys and take feedback to ensure app quality and make sure it meets design requirements (B)	February 2023	Late March 2024
Document meetings in a journal (D)	October 2023	May 2024
Create presentation (A)	Late February 2024	April 2024

### Matrix:

Task and Milestones	Start Date	Completion Date	Effort
Create database containing user account information as well as user tasks and rewards (B)	November 2023	January 2024	Brad: 75% Duncan/Aaliyah: 25%
Create stored procedures to access said database information (D)	January 2024	March 2024	Duncan: 75% Brad: 25%
Research and determine what development tools to use for the project (All)	October 2023	November 2023	Equally split
Determine user reward methods (All)	December 2023	January 2024	Equally split
Interview potential users to determine user needs for application (A)	October 2023	Early December 2023	Aaliyah: 100%
Design/sketch storyboards for specific interface functionalities (A)	October 2023	November 2023	Aaliyah: 100%
Create a prototype of the final product prior to implementation (All)	November 2023	Early December 2023	Equally split
Research potential implementation methods for rewards/motivation (A)	October 2023	November 2023	Aaliyah: 100%

Research designs for user interface/experience (D)	October 2023	November 2023	Duncan: 100%
Develop front-end screens according to designs (A)	January 2024	February 2024	Aaliyah: 75% Brad/Duncan: 25%
Program backend functionality and data manipulation (D)	December 2023	January 2024	Duncan: 75% Aaliyah/Brad: 25%
Testing backend functionality (unit testing) (D)	February 2024	March 2024	Duncan: 100%
Testing front end functionality using Robot Framework or similar tool (B)	February 2024	March 2024	Brad: 100%
Prepare surveys and take feedback to ensure app quality and make sure it meets design requirements (B)	February 2023	Late March 2024	Brad: 100%
Document meetings in a journal (D)	October 2023	May 2024	Duncan: 100%
Create presentation (A)	Late February 2024	April 2024	Aaliyah: 90% Brad/Duncan: 10%