

Milestones:

- Research and discovery: For this part we are going to figure out what kind of project we want to create. The languages we are going to use. And the platform we want to put the project on.
- Project Planning: This is focused on division of labor and prioritizing what work is most important to be completed.
- User Diagram: Creating the users lifecycle while using the app.
- Graphic Design: Create the interface and layout of the app, logo. Color schemes to standout.
- Development: Create all desired functionality, database and API.
- Testing: Run app and check for bugs and functionality issues.
- Launch: Upload finished app

Timeline:

Task and Milestones	Start Date	Completion Date
Develop an initial app will be the responsibility of Chris Meyer	October 2021	October 2021
Test app for any visual bugs or other changes required will be the responsibility of Alex Mezcuca	March 2022	April 2022
Upload Prototype of app will be the responsibility of Chris Meyer	April 2022	April 2022
Design screen layouts will be the responsibility of Chris Meyer	October 2021	January 2022
Document progress and changes to project will be the responsibility of Abele Abdi	September 2021	April 2022
Develop requirement tracker in GitHub repository will be the responsibility of Chris Meyer	October 2021	April 2022
Validate code's security will be the responsibility of Nicholas Ruth	December 2021	April 2022
Providing user's access for web application will be responsibility of Prayag Pandit	October 2021	April 2022
Develop database for users in the application will be responsibility of Prayag Pandit	October 2021	April 2022
Investigate possible problems with web applications will be the responsibility of Prayag Pandit	November 2021	April 2022
General troubleshooting for web application will be the responsibility of Prayag Pandit	December 2021	April 2022

Tracking/monitoring the web application's outgoing and incoming network activity by utilizing security notifications, ping tools, and Wi-Fi analyzer as needed will be the responsibility of Prayag Pandit	November 2021	April 2022
Research possible improvements / additions to the app will be the responsibility of Alex Mezcua	September 2021	March 2022
Investigate whether Android, iOS (mobile), or Web would be better for the app will be the responsibility of Alex Mezcua	September 2021	September 2021
Refine prototype to minimize users' input will be the responsibility of Alex Mezcua	March 2022	April 2022
Document code styling for readable code and consistency will be the responsibility of Alex Mezcua	November 2021	January 2022
Developing the user interface for an activity will be the responsibility of Abele Abdi	January 2022	April 2022
Identify which technology stack to use will be the responsibility of Abele Abdi	October 2021	April 2022
Developing efficient code will be the responsibility of Abele Abdi	October 2021	November 2021
Identifying areas for modification in existing programs and subsequently recorded these modifications will be the responsibility of Abele Abdi	January 2022	April 2022
Investigate if we can implement a technology such as the cloud to assist our application Nicholas Ruth	November 2021	December 2021
Implement the best security practices to keep user data confidential Nicholas Ruth	November 2021	April 2022
Develop infrastructure that allows our application to pull data and get its resources Nicholas Ruth	October 2021	February 2022
Design our network to be security focused to analyze traffic coming in and minimize breaches Nicholas Ruth	January 2022	April 2022
Develop and assist with design of the backend infrastructure of the application Nicholas Ruth	October 2021	April 2022
Developing the database schema for users and items will be the responsibility of Chris Meyer	October 2021	October 2021

Matrix:

Task and Milestones	Start Date	Completion Date	Effort
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Develop an initial app will be the responsibility of Chris Meyer	October 2021	October 2021	Chris: 20% Abele: 20% Prayag: 20% Alex: 20% Nick: 20%
Test app for any visual bugs or other changes required will be the responsibility of Alex Mezcua	March 2022	April 2022	Alex: 50% Abele: 25% Nick: 25%
Upload Prototype of app will be the responsibility of Chris Meyer	April 2022	April 2022	Chris: 75% Prayag: 25%
Design screen layouts will be the responsibility of Chris Meyer	October 2021	January 2022	Chris: 75% Alex: 25%
Document progress and changes to project will be the responsibility of Abele Abdi	September 2021	April 2022	Alex: 25% Abele: 75%
Develop requirement tracker in GitHub repository will be the responsibility of Chris Meyer	October 2021	April 2022	Chris: 50% Prayag: 50%
Validate code's security will be the responsibility of Nicholas Ruth	December 2021	April 2022	Nick: 75% Chris: 25%
Providing user's access for web application will be responsibility of Prayag Pandit	October 2021	April 2022	Prayag: 75% Chris: 25%
Develop database for users in the application will be responsibility of Prayag Pandit	October 2021	April 2022	Prayag: 50% Nick: 50%
Investigate possible problems with web applications will be the responsibility of Prayag Pandit	November 2021	April 2022	Prayag: 75% Chris: 25%
General troubleshooting for web application will be the responsibility of Prayag Pandit	December 2021	April 2022	Prayag: 50% Abele: 50%
Tracking/monitoring the web application's outgoing and incoming network activity by utilizing security notifications, ping tools, and Wi-Fi analyzer as needed will be the responsibility of Prayag Pandit	November 2021	April 2022	Prayag: 50% Nick: 25% Abele: 25%
Research possible improvements / additions to the app will be the responsibility of Alex Mezcua	September 2021	March 2022	Alex: 50% Chris: 50%
Investigate whether Android, iOS (mobile), or Web would be better for the app will be the responsibility of Alex Mezcua	September 2021	September 2021	Alex: 50% Abele: 50%
Refine prototype to minimize users' input will be the responsibility of Alex Mezcua	March 2022	April 2022	Alex: 50% Chris: 50%

Document code styling for readable code and consistency will be the responsibility of Alex Mezcua	November 2021	January 2022	Alex: 75% Chris: 25%
Developing the user interface for an activity will be the responsibility of Abele Abdi	January 2022	April 2022	Abele: 50% Prayag: 50%
Identify which technology stack to use will be the responsibility of Abele Abdi	October 2021	April 2022	Abele: 75% Prayag: 25%
Developing efficient code will be the responsibility of Abele Abdi	October 2021	November 2021	Abele: 20% Chris: 20% Alex: 20% Prayag: 20% Nick: 20%
Identifying areas for modification in existing programs and subsequently recorded these modifications will be the responsibility of Abele Abdi	January 2022	April 2022	Abele: 75% Chris: 25%
Investigate if we can implement a technology such as the cloud to assist our application Nicholas Ruth	November 2021	December 2021	Nick: 60% Abele: 20% Prayag: 20%
Implement the best security practices to keep user data confidential Nicholas Ruth	November 2021	April 2022	Nick: 100%
Develop infrastructure that allows our application to pull data and get its resources Nicholas Ruth	October 2021	February 2022	Nick: 33.3% Abele: 33.3% Prayag: 33.3%
Design our network to be security focused to analyze traffic coming in and minimize breaches Nicholas Ruth	January 2022	April 2022	Nick: 50% Prayag: 50%
Develop and assist with design of the backend infrastructure of the application Nicholas Ruth	October 2021	April 2022	Nick: 50% Alex: 25%
Developing the database schema for users and items will be the responsibility of Chris Meyer	October 2021	October 2021	Chris: 100%