[Dynamic Grocery List] SP-5, Gold
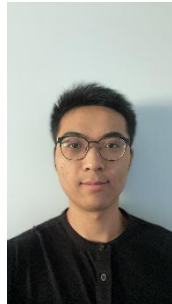
Date: 9/1/20203

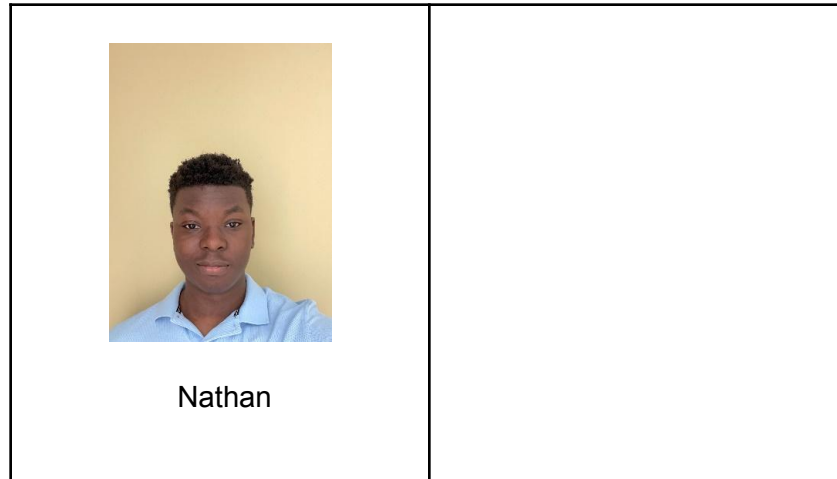## Project Team

Roles	Name	Major responsibilities	Contact (Cell Phone)
Project owner	Sharon Perry		
Team leader	Jaedan Hill	Managing project, team members	217-855-9756
Team members	Nathan Ansah	Development, Documentation	678-764-5447
	Shawn Yang	Development, Documentation	470-460-0120
Advisor / Instructor	Sharon Perry	Facilitate project progress; advise on project planning and management.	Sperry46 in D2L is preferred

Jaedan

Shawn

Nathan

Project Overview

Our team's project is a mobile app which offers the real-time editing and updating of a grocery list with multiple users. Our shopping list app will provide a platform for groups to collaborate. Key features of our project include a login screen, homepage, and database. We will use Flutter to create our frontend and Firebase to support our backend. Key features of our project include a login screen, homepage, database. A user should be able to login to the app, select a list, then edit that list. In conclusion this app will improve the shopping experience for its users through easy and increased collaboration.

Project website
https://hotzone5th1117826.weebly.com/

Final Deliverables - Specific To Your Project

Define a few Deliverables for your project – Deliverables that make sense for your project. In general, a Final Report, source code, website and link to Github. Again, faculty research projects may have varying Deliverables, like IEEE format research paper (if it gets published you get credit !).

1. Website – required website for project detailing its creation, features, and final results.
2. Link to GitHub – link to GitHub that contains source code.
3. Final Report – Report detail entirety of projects development and result

4. Demo video – video that will be used in the final presentation.
5. Source code – source code files

Milestone Events (Prototypes, Draft Reports, Code Reviews, etc)

Define a few milestone events for your project – events that make sense for your project. In general, milestones like planning (RAD), Development, Prototype, Research Results, and Final Report.

#1- Research – By 9/16 (unofficial milestone not on gantt chart)

- Learn Flutter
- Learn Firebase
- Learn integration of flutter and firebase
- Learn Git and GitHub
- Learn good practices for mobile development using these platforms

#2 – Project Design – By 9/20

- Mockups
- Database Design
- GitHub setup
- Design program logic

#3 – Development – By 10/20

- Create Screens in Flutter – login page, lists screens, other screens determined during mockups
- Firebase database creation
- Integrate Flutter and Firebase
- Develop working prototype
- Test Prototype

#4– Final report – By 11/15

- Review Documentation
- Create draft
- Finalize draft
- Record demo video
- create poster
- submit to D2L

Meeting Schedule Date/Time

09/12(Tue)	14:15
09/19(Tue)	14:15
09/26(Tue)	14:15
10/3(Tue)	14:15
10/10(Tue)	14:15
…	…

Collaboration and Communication Plan

We are meeting in discord using the screen and potentially in person. Discord provides text chat, screen sharing, and video call options. We also communicate through text messages. We are using GitHub to share source code and google docs for documentation.

Project Schedule and Task Planning

See the Project Work Plan (Gantt chart) file attached.

Other Plans – Like Risk Assessment (if applicable)

We do not believe a risk assessment plan or other plans are needed for our project.

Version Control Plan

Git and GitHub will handle our version control. We also communicate with the rest of the group before pushing major updates to the source code.