# SP-5 Red Dynamic Grocery List App Project Plan CS 4840 – Section 02 – Spring 2024 Jan 29, 2024



Aaron Figueroa



Elizabeth Krummert



Cole Young

# **Team Members:**

Roles	Name	Major responsibilities	Cell Phone / Alt Email
Team Leader /	Aaron	Facilitates communications	646-709-3919
Documentation	Figueroa	between advisor and team and	adfig13@gmail.com
		composes deliverables.	
Documentation	Elizabeth	Composes deliverables for the	770-893-8886
	Krummert	project.	ekrummert8814@gmail.com
Developer	Cole Young	Develop and maintain core	706-581-0894
		functionality of application.	coleturneryoung@gmail.com
Advisor /	Sharon	Facilitate project progress;	770-329-3895
Instructor	Perry	advise on project planning and	
		management.	

# **Enhanced Overview**

The goal of this project is to create a mobile application that allows users to efficiently manage their grocery lists. Users will be able to share lists with other users to then add or remove items on those shared lists.

Some of the main objectives of the project will be to allow users to create accounts and for users to be able to update shared lists in real-time. The accounts will be used to uniquely identify users to allow them to find other users to share their lists with. We also want to make sure that these shared lists are updated in real-time so users do not miss crucial items that may be added by others at the last minute.

We will build the application using Flutter, Dart, and Firebase.

### **Deliverables**

- Team/Project Selection document
- Weekly Activity Reports
- Peer Reviews
- Project Plan
- Requirements Document
- Design Document
- Prototype
- Test Document
- Video Demo
- Website
- Final Report Package
- Mobile grocery list app that works on both Android and iOS
- C-Day Application/Submission

### **Milestone Events**

- 1. Requirements
  - Description: Define and document the requirements for the application.
  - Beginning Date: 1/29/24
  - Ending Date: 2/12/24
- 2. Design
  - Description: Design and establish proper work flow and application design.
  - Beginning Date: 2/12/24
  - Ending Date: 3/11/24
- 3. Development
  - Description: Develop and add functionality to the application.
  - Beginning Date: 3/11/24
  - Ending Date: 3/25/24
- 4. Final Report Package
  - Description: Create poster and website to display the application and present the final application.

Beginning Date: 3/18/24Ending Date: 4/22/24

# **Meeting Schedule Date/Time**

In-person meeting: Monday at 3:00-3:30 pm

Online Teams meeting: Friday at 8:00 pm

## **Collaboration and Communication Plan**

We will meet twice a week to discuss the progress of our project. One will be a short in-person meeting on campus and the other will be a longer meeting through Microsoft Teams. Any other questions can also be shared between members on Teams. Team members are expected to promptly attend meetings and questions, with a response time of, no later than, three hours.

All members have agreed to their tasks and work commitments and it is required for team members to update the rest of the team anytime progress is made. If a progress update is required from the instructor, our team leader, Aaron Figueroa, will report to them appropriately.

Project documentation and meeting notes will be shared through Teams. Elizabeth Krummert will take the meeting notes and share them on Teams for the entire team to refer back to.

# **Project Schedule and Task Planning**

Project Name:	SP-5 Red Grocery List																	
Report Date:	1/29/2024																	
						Miles	tone #1	1		Milest	one #2			Milesto	one #3		C-I	ay
Phase	Tasks	Complete%	Current Status	Assigned To	01/29	02/05	02/12	02/19	02/26	03/04	03/11	03/18	03/25	04/01	04/08	04/15	4/22	04/25
-	Establish project plan	100%	Completed	Aaron, Cole, Elizabeth	3													
	Define project requirements	5%		Aaron, Cole, Elizabeth		5	3											
	Finalize requirements	0%		Aaron, Cole, Elizabeth			3											
1	Specify technology needed	0%		Cole, Elizabeth			8											
	User interaction flow chart design	0%		Aaron				4	4									
	UI/UX design	0%		Aaron				4	4									
	Database design	0%		Aaron, Cole, Elizabeth					5	10								
	Create offline prototype application	0%		Cole						5	5							
-	Implementing basic layout of app	0%		Cole, Elizabeth							8							
	Connect application to database	0%		Cole							6	5						
	Add functionallity to application	0%		Cole							6	5	8					
	Test functionality of application	0%		Aaron, Cole, Elizabeth								3	3					
	Presentation preparation	0%		Aaron, Cole, Elizabeth								3	4					
	Create website	0%		Aaron, Cole, Elizabeth									1	2				
	Poster preparation	0%		Elizabeth										1	3	2		
	Completion and submission of final report	0%		Aaron, Cole, Elizabeth											4	4	2	
	Refine application and prep for C-Day	0%		Aaron, Cole, Elizabeth												5	5	4
		To	tal work hours	140	3	5	14	8	13	15	25	16	16	3	7	11		4
			an work hours	110				U	10	10		10	10			**		
Legend																		
Planned																		
Delayed																		
Number	Work: man hours																	

# **Version Control Plan**

Our version control plan consists of two parts. Version control for development will be handled in github with our organizational account, by creating comments that will describe the latest version changes to the project. For documentation version control, we will utilize Sharepoint within Microsoft Teams to collaboratively work on files together and maintain an updated file that all team members can access.