

# SP5 Dynamic Grocery List Project Plan

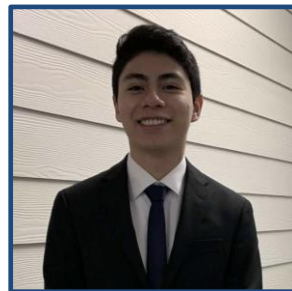
Dynamic Grocery List Application  
Senior Project, CS 4850 Section 02, Spring 2023

## Project Team

Roles	Name	Responsibilities	Contact Information
Project Owner	Sharon Perry	Facilitate Project Progress Advise Project Planning/Management	(770) 329-3895 sperry46@kennesaw.edu
Team Leader	Phillip Magnicheri	Secondary Developer	(770) 882-8488 pmagnicheri@gmail.com
Team Members	Kevin Galdamez	Lead Developer Secondary Documentation	(912) 242-5668 kevingaldamez699@gmail.com
	Ashia Hawkins	Lead Documentation Secondary Research	(678) 431-4170 ashia.hawkins23@gmail.com
	Scott McCandless	Lead Researcher Lead Tester	(478) 262-5104 scottmccandless@ymail.com
Advisor/Instructor	Sharon Perry	Facilitate Project Progress Advise Project Planning/Management	(770) 329-3895 sperry46@kennesaw.edu



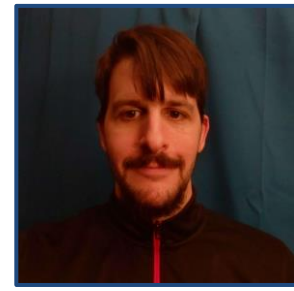
Phillip  
Magnacheri



Kevin  
Galdamez



Ashia  
Hawkins



Scott  
McCandless

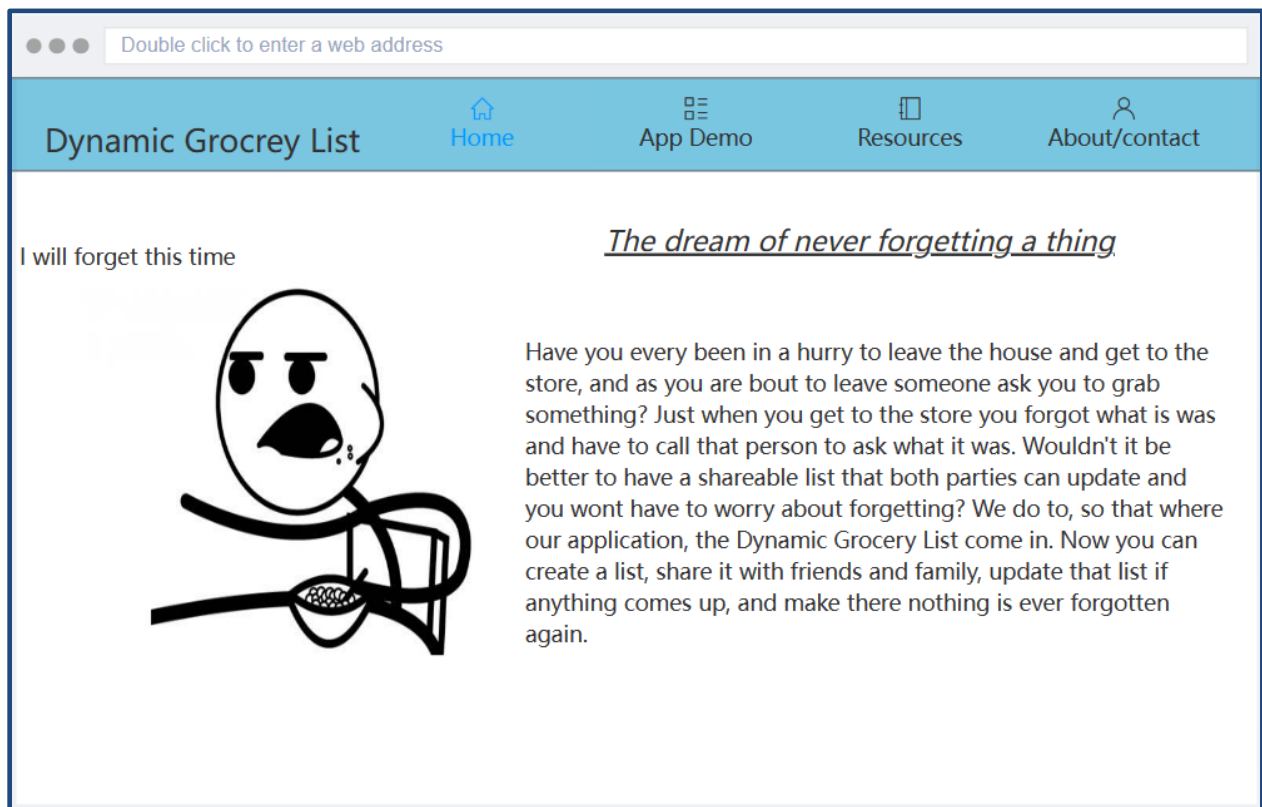
## Project Website

Our team plans to host a website for the dynamic grocery list application which will serve multiple purposes. The first among such purposes is to provide a workable prototype to anyone interested in the grocery list application. The second purpose would be to provide updates notes and version history for app and update releases. The third purpose would be to provide general information regarding the project and project team. This would include project description, project team contact information, project innovation and technology, and other relevant information.

We will host our application on either a KSU given domain from the university or on a personally owned domain for one of the group's members. The website will include a secession for: app demonstrations, patch notes and feature updates, contact information, where to find the application and how to download it. There are plans for more to be added to the website, but these are the base sections we would like to include. We will also host an online GitHub account to post approved code that can be shared along with documentation about how the application runs and the systems being used. Below you can find the pending locations for our website and GitHub. Please note these URLs are subject to change.

- <https://TheDynamicList.com>
- <https://github.com/keving1239>

## Mock Website Layout



## Final Deliverables

1. Project Plan - 2/3/2023
2. Project Website - 4/7/2023
3. Video Demo - 4/7/2023
4. Final Project Report - 4/27/2023
5. Final Program - 4/27/2023
6. Weekly Activity Reports (WAR)
7. Peer Reviews - 3/17/2023

## Milestone Events

1. Prototype - 3/17/2023
2. Project Website - 4/7/2023
3. Final Project Report Draft - 4/14/2023
4. Final Project Package - 4/27/2023
5. C-Day Application - 4/7/2023

## Meeting Schedule

Team meetings will take place in person every Monday and Wednesday starting at 11:00 am until 12:15 pm starting on January 23 and running until April 26. The team will have an open meeting time every Friday starting at 11:00 am until 12:15 pm. This open meeting time will be held virtually on discord to go over any deliverables due that day and to check in before the weekend. Below are the dates for all meetings with the designated times.

January 2023

22	23 In person Meeting 11am to 12:15 pm	24	25 In person Meeting 11am to 12:15 pm	26	27 Virtual Meeting via Discord 11am to 12:15 pm	28
29	30 In person Meeting 11am to 12:15 pm	31				

February 2023

			1 In person Meeting 11am to 12:15 pm	2	3 Virtual Meeting via Discord 11am to 12:15 pm	4
5	6 In person Meeting 11am to 12:15 pm	7	8 In person Meeting 11am to 12:15 pm	9	10 Virtual Meeting via Discord 11am to 12:15 pm	11
12	13 In person Meeting 11am to 12:15 pm	14	15 In person Meeting 11am to 12:15 pm	16	17 Virtual Meeting via Discord 11am to 12:15 pm	18
19	20 In person Meeting 11am to 12:15 pm	21	22 In person Meeting 11am to 12:15 pm	23	24 Milestone Report Meeting via Discord 11am to 12:15 pm	25
26	27 In person Meeting 11am to 12:15 pm	28				

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19	20 In person Meeting 11am to 12:15 pm	21	22 In person Meeting 11am to 12:15 pm	23	24 Virtual Meeting via Discord 11am to 12:15 pm	25
26	27 In person Meeting 11am to 12:15 pm	28	29 In person Meeting 11am to 12:15 pm	30	31 Virtual Meeting via Discord 11am to 12:15 pm	

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9	10 In person Meeting 11am to 12:15 pm	11	12 In person Meeting 11am to 12:15 pm	13	14 Virtual Meeting via Discord 11am to 12:15 pm	15
16	17 In person Meeting 11am to 12:15 pm	18	19 In person Meeting 11am to 12:15 pm	20	21 Final Milestone Report Meeting via Discord 11am to 12:15 pm	22
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30						

## Collaboration and Communication Plan

Open Communication	Planned Communication	Resource Utilization
1. Discord 2. Shared Documents <ul style="list-style-type: none"> <li>○ Google Doc</li> <li>○ Google Sheet</li> </ul> 3. GitHub 4. Email <ul style="list-style-type: none"> <li>○ Personal Email</li> <li>○ University Email</li> </ul> 5. Text Messaging 6. Phones Calls	Meeting in person during the times of 11:00 am to 12:15 pm every Monday and Wednesday.  Virtual meetings via Discord Every Friday form 11:00 am to 12:15 pm  More meeting times may be added, and work may continue beyond these hours if needed.	<b>Discord:</b> Share Google docs and sheets for the team to look over. Share updates on projects or general communication. <b>GitHub:</b> Share code updates and allow for replication of code. Allow other members to peer review code. <b>Email:</b> Use email to communicate docs and spreadsheets. Communicate with the professor with any questions that arise. <b>Phone call/Text messages:</b> Use in case of emergency or if a member has not communicated using other means within a week's time.

## Project Schedule and Task Planning

A Gantt chart detailing the schedule of this project is linked below. This is a chart which is managed by the project team. It should be noted that this is a living document which will follow the development of the project and is thus subject to change.

- [SP5-Yellow-DynamicGroceryList Project Plan](#)

This chart will be updated as changes in the project's status are made. This will include milestone completions, weekly status updates, and delays. Currently, this schedule has been set according to the reasonable expectation of time commitment from the project team. Additionally, phase one (base) deliverables have been adapted into the Gantt chart. In the event that such deliverables are met in an accelerated time frame, phase 2 (expanded) deliverables will be installed into the project schedule.

## **Risk Management**

The security risks to begin this project are minimal but the expansion of this application will incur two large security risks. Inherent risks apply only to the safe and appropriate collection and use of intellectual property. This applies to but is not limited to the following: Grocery store brand, catalog, and information, open source technologies, and image and written text ownership.

Expansion risks will include the protection of user data and user protection on the application end. Since the project plan is to use a database on a cloud-based server to store all user information we plan to use encryption keys on both the application side and the database side to ensure that no outside threats can access data on either side. Since this application will be storing personal data, we will prioritize a transparent and direct communication with all users about the data which is being stored. Additionally, we will make efforts to store minimal data about our users. Access to the database will be restricted to only members who are developing the application and maintaining the database. No one outside the group working on the application will have access to the database and access to the database will be logged to ensure there is a physical trail for all database access events.

As for the second security risk, the user can be the target of malicious attack from outside sources if they were to give up their username and password to others who might try to impersonate the creators of the application. To help prevent this we will implement a two-factor authentication for user safety. We will allow the user to stay logged into the application on their primary phone, but if their account is accessed on a different device, they must provide a security code sent to them via email or text message or approve a sign on using a verification application.

## **Version Control Plan**

Version control will be maintained through the use of a GitHub repository. The work for this project will be conducted via pull requests from said repository. Pull requests are required to undergo peer review from at least one team member before it can be merged with the primary code base. Each pull request should be properly documented to assist documentation efforts. Pull requests should also maintain proper scope for tasks being completed (i.e., one pull request for changing database tables, one for adding a forgotten password page, etc.).