Team Members

Name	
Heesuk Jang	Seungjeong Park
Jacob Hallberg	Han, Hanye
Juan Vargas-Murillo	

Project Management Tool

We will be using Trello to plan and track the progress of our app "Grocery with Me." Trello gives us a Kanban-like experience with simplistic, yet powerful organizational tools. We currently are tracking five lists which include: ToDo, InProgress, Done, User and Functional Requirements, and Sprint Tasks and Owners. Each member of our team has individual categories within the lists which allow us to assign and keep track of the work in progress and completed by each team member. By monitoring our group activities we can better discuss future sprints and create reasonable goals.

Our project includes three categories of work; the frontend, backend, and Database. Currently we have the look of our splash page design thought out and created. However, we need to be able to add the functionality between the frontend, backend, and database. Our JSON file has all of the tables for one user case and as we move through our sprints we will add more user cases, all of which are connected together with the previous database.

There are 8 weeks left of the course and we have decided to split the sprints into 3 sprints. 2 sprints are 3 weeks long and 1 sprint will be 2 weeks long.

The *Product Backlog* is presented as follows:

Team Activities   CSCI3308 Team 2   ☆   ♗ Team Visible

User Stories

As a user, I want to create one or more grocery lists using my mobile phone to remind myself what I need to buy.

As a user, I want to add one or more items to a grocery list using my mobile phone to prevent me from missing any item to buy.

As a user, I want to delete one or more items from a grocery lists using my mobile phone to avoid buying unnecessary items.

As a user, I want to delete a grocery list from my mobile phone when I no longer need the list.

As a user, I want to share one or more grocery lists with others and allow editing of the list so that someone else can use the list I created.

As a user, I want to name my grocery list so that I can easily identify different lists I created.

As a user, I want to check off items in a grocery list so that I know what items I have already collected and what items still need to be gathered.

As a user, I want all the members I shared a list with to be able to create, add, or delete items from a grocery list so that multiple people can efficiently use a list.

As a user, I want to create a list from a recipe.
💬 1

As a user, I'd like to have a notification when a member of the group makes a modification on the list.

Add a card…

Functional Requirements

System must create a new list when user presses the indicated Icon.

System must accept user credentials to better identify the user and their lists.

System must link a user's list with a unique user phone number for multi-user usage.

System must keep user data secure using sufficient security protocols.

System must accept user input using efficient data types and correctly store the data.

System must have API integrations that allow a user's calendar to be accessed and managed.

System must transmit data when user request access to server through mobile platform.

System must have a live database and server accepting and managing user requests.

System must store non-essential information locally on the user's device.

Add a card…

Non-Functional Requirements

Performance Requirement: User must experience little to no latency when selecting and adding lists.

Interface Requirement: The interface must be obvious and maintain a simple design for user usability.

Operational Requirement: Multiple buttons and visuals will give users quick access to their lists.

Resource Requirement: Database must maintain and keep track of all user information.

Verification Requirement: Users must be able to login into their "Grocery with Me" account.

Documentation Requirement: All user information must be accurately documented and stored.

Security Requirement: User data must be secure using modern protocols.

Reliability Requirement: Product must continue to work under all conditions.

Maintainability Requirement: Developers must be able to quickly and easily assess and solve errors and or add to the product.

Add a card…

Plan Cycle within the Project Management Method

Sprint 1:   3–week Sprint Planning

3-week Sprint Tasks and Ownership (3/4 - 3/24)   ...

Everyone needs to review and revise the Ionic framework. Proficiency with the framework is a must for further group interactions.

👁 🕐 Mar 12

`HH` `J` `J` `H` `S`

Implement integration between back-end and front-end.

👁 🕐 Mar 14

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Create second use case, but only after finishing the integration. These use cases include ER-diagrams that show relational domain model about the tables.

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Create working splash page with login capabilities. This task requires integration with the front end and back end.

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`J` `H`

Create the ability to add lists that are tied to a user.

🕐 Mar 18

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Week One

Requirement Analysis

Review and revise the ionic framework

Implement integration between back-end and front-end using RESTful API

Week Two

Create one or two more use cases after the integration set-up

Create the relational database-domain models for those use cases and set them up in the database

Create and test working splash page with login capabilities

Week Three

Team code review

Test case development

Test execution

Review sprint 1

Agile Methodology:

10-Minute Standup Agile Meeting

Presenter	Things I've been working on	Things I will work on	Challenges I am facing
Juan V.	I set up an ionic framework and backand library for the front- and back-end environment on my local machine. Then, I attended in Hackathon event the other day and learned how to set up a use case and domain model understanding in detail who does what and how using the forms of noun, objects and verbs. Then, Jacob and I set up and tested some of the initial UI features on a splash page using ionic creator tools. All the changes we made so far are available on our team git-repo now.	I will continue to learn more about not only how backand library works but also how to implement integration between front-end and back-end using RESTful API.	The overall challenge that I am facing has to do with finding time to develop the application. As well as understanding more of the backand service.
Jacob H.	I also attended Hackathon event. Spending a few hours of understanding how ionic framework works and what advantages of its deployment allow us to implement our project was just great. I learned the full process of setting up a use case and producing a solid domain model from it.	I am going to continue to learn more about ionic and backand capabilities using online resources like pluralsight. I will also research more about how to set up RESTful API.	As per challenges I am facing, I have no or very little experience or knowledge on programming languages such as Angular, css, and JSON that we must be familiar with.
Heesuk J.	Along with Juan and Jacob, I also attended the Hackathon event. After taking some time to learn about the tools and features that ionic library provides to build our product, I was able to have a much better sense on what capabilities in terms of functionalities and UI features we could use. Also I received substantial help from a professional at the event to understand the top level development process and drilling down to the implementation of sub-phases starting from constructing a solid use case to transferring it to a database. It was a priceless experience.	I will keep learning more about ionic capabilities as well. I will also try to learn more about the RESTful API so that we can communicate with a database we are going to set up.	I have the similar challenges as Jacob: no experience or knowledge on those languages.

SeungJeong P.	I have installed basic ionic framework on my local machine to understand how Frontend setup works. After testing and modifying the framework code a bit, I had better sense of how Frontend would be connected to the Backend functionalities for the data transferring such as usage of array elements. In addition, after thoughtfully analyzing the objectives of this project, I looked into which application template of the project would best fit our needs.	I will also make sure to learn about ionic and review the programming languages like Angular and css to become more familiar. Since I would like to get more involved in debugging and work on middle section of the development process, I will continuously try to gain more knowledge on them.	I am in the same shoes as Jacob and Heesuk: no experience or knowledge on Ionic, css and Angular languages.
Hanye H.	I installed ionic framework on my local machine.	I will learn about the ionic capabilities as well and continue to try to have a better understanding on the languages we use for our project.	The same here: no experience or knowledge on those languages.

Sprint 1: Retrospective Meeting Discussion

What went well	*When did not go well*	*What should be improved*
- Good teamwork and positive attitude - Good tasks organization using Trello, embedded with Kanban method - Putting a little extra time buffer in our plan to deliver each task - Working as a team at one location at the same time allowed us to cut out a ton of possible efforts to resolve possible misunderstanding, thus allowed us to complete the tasks on time. - The combination of a pair teamwork with working alone if applicable was productive - Thorough code review	- Not enough communication during the sprint - Difficult for everyone to be on the same pace with the programming skills. - Not easy to find time for the team to meet on weekend to do tasks, which need to be collaborated - Not easy for team to adjust to frequent changes of tasks involving implementation - Inefficient approach to wait until the end of the sprint to begin integration testing	More active communication to clarify every member is on the same page in terms of who is doing what and how to prevent misunderstanding between the team members and possible duplicate work

Project Management Tool: Trello

Boards — Trello — + H heesuk.jang

Team Activities CSCI3308 Team 2 ☆ 👥 Team Visible ⋯ Show Menu

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🕐 Mar 18   HH J S

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Sprint Planning throughout the semester

Five Phases for Each Sprint: Plan/Design/Build/Test/Review

Sprint 1: 3-week (3/4-3/24)

Sprint 2: 3-week (3/25-4/14)

Sprint 3: 2-week (4/15-4/28)

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Weekly ToDoList

▬
Finish MileStone #2
👁 🕐 Mar 14   HH J J H S

Add a card…

User Stories

Add a card…

InProgress

Add a card…

Done

Milestone1: Project P submitted.
🕐 Feb 14

Functional/Non-Funct Requirements WriteU
🕐 Feb 24

Team Discussion for
🕐 Mar 3   HH J

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