

**Group Number:** Team 2

**Group Members:** Jose Alonso Rodriguez, Alejandro Cisneros, Justin Lee, Angel Nevarez

**Application Name:** Cart Squad

**Application Type:** Utility/Food

**General Description:**

An app that allows you to share grocery lists that can be updated in real-time by other people.

Going grocery shopping for a group of people can be exhausting. If you're a parent doing your weekly grocery shopping for your household, you have to pester your kids all week long to actually tell you what they want. Because we're human, oftentimes you'll forget what they asked for, or they'll forget to tell you. Guessing what they want is a whole new type of stress. What about hosting a chill get-together where you're doing the snack shopping? Same problem. How do you correctly guess what your guests want? When you ask them, lots of people will politely say they're fine with anything, when in reality, there is something on their mind. How do you split the bill without hassle? What if there was a way to solve these issues?

This is what our app aims to solve. Users can create "carts" which serve as a virtual grocery list that can be shared and edited by other app users. The cart owner chooses a store where the items will be bought, a shopping date when they will actually go and buy the items in the cart or pickup their curbside order, and other app users to invite to the newly created cart. Our app will display a browseable catalog of items from the set store that can be added to the cart by cart members. In addition to this, the cart owner can impose monetary restrictions, item count restrictions, or outright item bans for certain cart members. Think of a child whose parents told them to pick out their preferred snack foods for the week but tries to use all their budget on a certain candy. Or, perhaps a party host would rather not have guests add alcohol to the cart. These items could be banned. For certain group settings, our app could also facilitate each cart member paying for their own items or auto-paying the cart owner for the items they added to the cart (stretch goal). Cart members will get notifications periodically before the shop date is reached.

With our app, going grocery shopping for a group of people is made easy and stress-free.

**Feature List:**

- Fundamental features:
  - Users log in to create a shopping cart, name the cart, and set a shopping date
  - A user can create multiple carts for distinct events and set carts as recurring
  - Other users are invited to join a shopping cart as “Admins” or “Members”
  - Admins of a cart can set the overall budget of the cart, individual budgets for members, and specific item bans for members
  - Both admins and members add items to a cart following the budgets and bans
  - Store history of purchases so that users can quickly repurchase or edit previously purchased cart
  - A loading screen for when the app is loading
  - A page that shows the store(s) the user wants to buy the items from. Can set multiple stores if wanted.
  - Search bar/navigation page to search for specific items
  - Catalog page for specific stores that displays inventory and prices with the ability to add each item to the cart
  - Settings page that allows the account owner to change login information and add/remove other users
  - Cart settings page to adjust store, date, members, and admins.
  - Home screen that displays where the user wants to shop, the members that are within the user’s specific shopping group, a button that displays the previous orders when pressed, and a button that creates or deletes a group.
- Stretch features:
  - Update the catalog of items by checking inventory availability of nearby stores using live data
  - Split the cost of groceries with shared payment apps (Venmo, etc.)

**Target Audience:**

Our target audience includes anyone that might want to coordinate shopping trips with other people. We are specially looking to help groups of people whose members are forgetful or suffer from choice anxiety. Our app will make it simple for such people to contribute by providing a list of products they can choose from and allowing members to easily change their preferred products as they wish.

One potential audience includes families that want to plan their groceries for the week and wish for all their members to provide their preferences ahead of time given a certain time and budget constraint. We aim to design our app so that children of ages 7 and up can easily let their preferences be known and for parents to be able to set clear expectations, manage their budget, and validate the purchases to be made.

Our audience also includes people that want to host a party or prepare an event for multiple people. We aim to facilitate the ability of the party/event planners to gain insight into the attendee’s preferences as well as plan multiple shopping carts in a way that equally distributes responsibility.

## Development Plan:

- Alpha 3/07:
  - Login / Registration screen
  - Main menu
  - Basic cart creation and deletion
  - Account settings and cart setting
  - Basic Item addition/removal
  - Basic member invites
  - Item restrictions
- Beta 4/04:
  - Improved UI
  - Cart editing: Add/Modify reminder
  - Notification Center
  - Storing and loading past carts
  - Bug fixes
- Final 4/24:
  - Bug fixes
  - Stretch goals
    - Cart groups
    - Recurring carts
    - Suggestions between members
    - Personal Item Preferences
    - Group preferences
    - Store API