ShopSmart

A more efficient shopping experience

Our Team

Team Name: Always Blue

Contributors:

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- Kalen Wiley
- Travis Williams

What is ShopSmart?

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- ShopSmart is a smart shopping assistant that helps users effortlessly manage and organize their grocery lists across multiple stores
- Users begin by creating a profile, then adding one or more stores to their homepage. From there, they can enter items they need for upcoming shopping trips
- Newly added items appear in an unassigned list, where users can sort them by assigning each item to a specific store. Once assigned, the item automatically appears under that store’s list
- Once an item has been purchased, users can mark the item as Complete using a checkbox. They can also remove an item from a store's list
- This design is intended to keep shopping experiences simple, organized, and efficient

Tools Used

Tools Used – Project Tracker

- As a team we used Trello to track our progress throughout development
- The Trello board served as a centralized location where team members could pick up issues that needed to be worked and move them to their own pipeline
- We monitored progress by tracking the Backlog and Completed issues as development progressed

trello board: https://trello.com/b/hBYltvo3/shopsmart-project-tracking

Tools Used – Version Control

- We used GitHub to monitor version control during development
- Each team members was responsible for branching the ShopSmart repository
- When changes were merged, we used Pull Requests to verify that any work done would not break or regress the app
- We verified each other's PRs to ensure code validity and to gain experience with PRs

Programming Languages

Programming Languages

- For this project, we used the following programming languages:
  - React – Frontend
    - Allowed us to develop re-usable components necessary for our application UI
    - Compiles to HTML, CSS, and JavaScript in the deployed environment
  - Python - Backend
    - Flask
    - sqlite3
  - SQLite – Database
    - Utilized multiple CREATE and INSERT statements to generate tables for users, stores, and items

Deployment Environment

Deployment Environment

- Application was deployed with Render:
  - Api – Web Service configured to receive requests at the deployed URL
    - Python3 runtime
    - Automatic deployment on repository commit

  - Web – Static
    - React project is compiled to static HTML, JavaScript, and CSS
    - Fetch requests make calls to the deployed API using environment variables configured in Render
    - Automatic deployment on repository commit

Challenges

Challenges

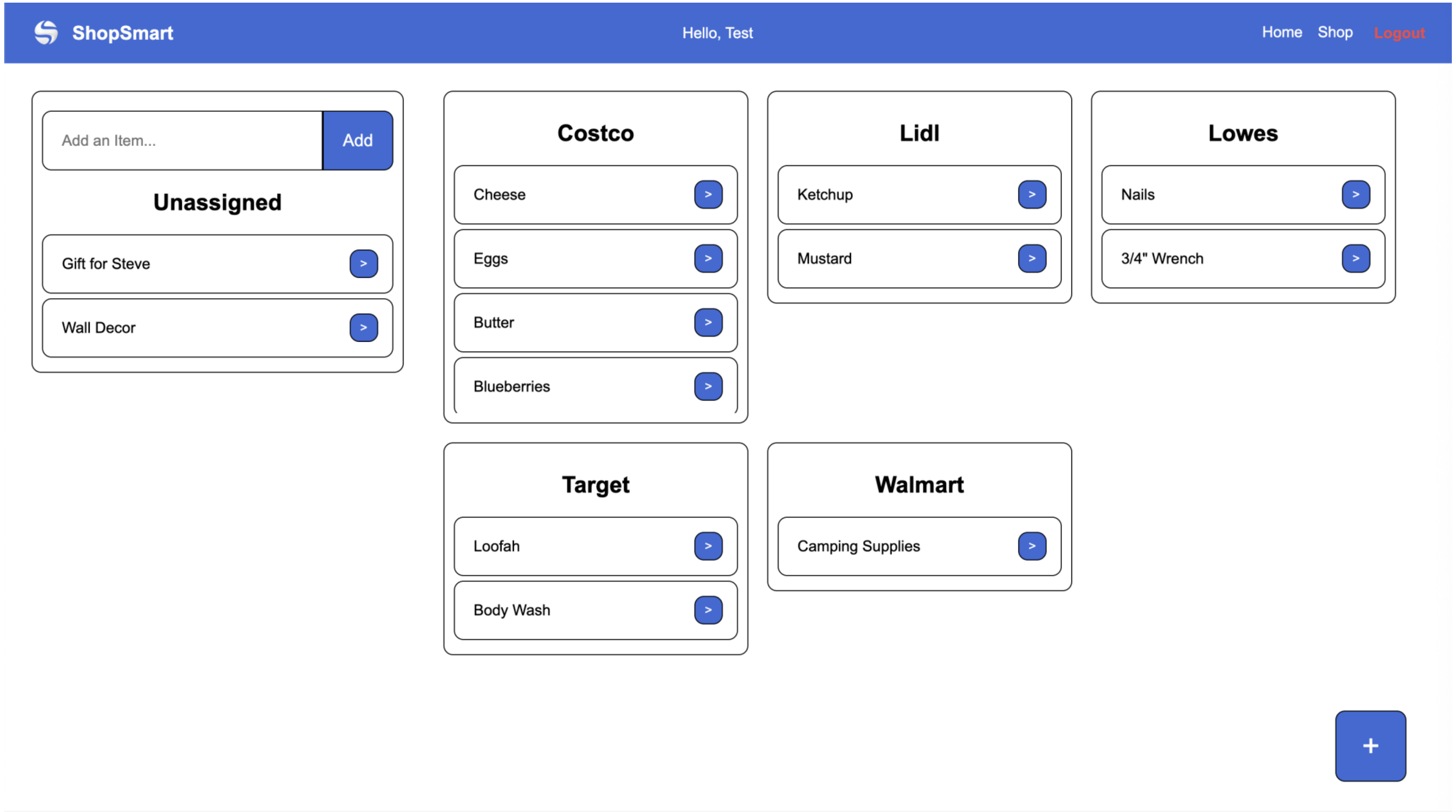
- **Life** - We had several 'life events' happen during the semester
  - Jury duty, overseas travel, family events
  - This occasionally made meeting and working around these events difficult

- **Sprint Planning / Dev Work –** Throughout the project we started planning with our own implementations, only to be reeled back by the week's material, finding there were easier ways to do certain tasks
  - Ultimately this was helpful, but it caused a few roadblocks as we had to rethink an active implementation

- **Time Commitment** - All of us had to split our time between the project and other responsibilities
  - Additional courses
  - Work
  - Family

Demo

ShopSmart Deployed Application


ShopSmart Hello, Test Home Shop Logout

Add an Item... Add

Unassigned
- Gift for Steve
- Wall Decor

Costco
- Cheese
- Eggs
- Butter
- Blueberries

Lidl
- Ketchup
- Mustard

Lowes
- Nails
- 3/4" Wrench

Target
- Loofah
- Body Wash

Walmart
- Camping Supplies