Project Milestone 7 Team MergeSort(); [101-4]

Title: Hungry Hill

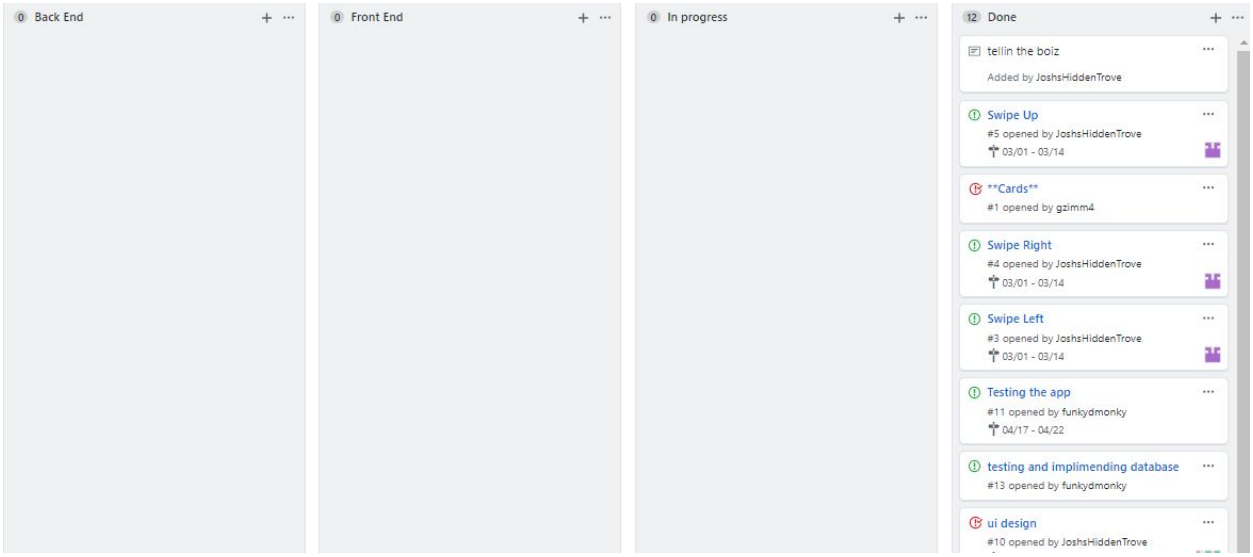
Names:

John (Jack) O'Fallon
Alan Bourgeois
Josh Meier
Henry Wang
Gavin Zimmerman
Brandon Walter-Allen

Project Description:

Hungry Hill is a recipe rating app, where users can swipe left or right on a variety of meals to catalog them for future use. The app sponsors a recipe matching page, a menu of filter and preference settings, and a featured page. Our main feature, utilized by the recipe matching page, uses a tinder-like user input design to rate and save recipes. A user will swipe right if a recipe looks pretty good, swipe left if it doesn't appeal to them, and swipe down for more information on the recipe including ingredients. The UI is designed for desktop, tablet, and mobile use. Thus users can access our app easily from anywhere, and by using the google sign in, they are able to quickly resume where they left off. If a user does not wish to sign in or make a commitment to the app, then user data defaults to cookies so that the app is still functional. Another feature, filters, which are accessible on the filters page, allows users to limit recipes shown by dietary/ allergy restrictions. Finally, the featured page exhibits the top-rated recipes by our user base, and all recipes the user has swiped right on.

Project Tracker: https://github.com/JoshsHiddenTrove/CSCI3308SpringProject/projects/1



Optional Video: See file labeled ‘Additions Since Presentation’ for the recommended additions we added from the presentation in our GitHub Repo. Specifically, we implemented a google sign in.
VCS: https://github.com/JoshsHiddenTrove/CSCI3308SpringProject
Commits: https://github.com/JoshsHiddenTrove/CSCI3308SpringProject/commits/master

Contributions:

Gavin Zimmerman [Integrating] - Designed integration layer (HTML requests, handling user input, cookie storage, and use, google sign in API, database queries, and data to send to embedded pages). The majority of my work was done on server code, but also helped with embedding the front end.

Josh Meier[BackEnd] - Used selenium to scrape recipes from all recipies.com and format them along with helping set up the Postgres SQL database working directly with Brandon.

Brandon Walter-Allen [Backend - Database] - Designed and created (Postgres) database. I also created a parsing script (written in C++) to split the raw scrape data, and write it to external CSV files that correspond to the tables in the database. Wrote a SQL script file that created the tables, and inserted the data from those external CSV files, into their respective tables.

Henry Wang - Implemented the swiping feature and touch screen swipe input. I also designed an HTML structure to handle smooth transitions between swipes. Tested and ensured features regarding buttons, and swipes had correct functionality.

John (Jack) O’Fallon [Front-End] - Worked on the layout of how the site was to look, did a lot of research on bootstrap, and trying out new and better ways for buttons and cards to look. Once the team was happy with the initial layout of the site that Alan and I went back and forth on updating, I specifically looked into implementing the sticky social media buttons, and the animated button with the tutorial popup. Also implemented a function to hide the card holding ingredients. I used CSS, HTML, and JavaScript. I tried helping out the team anywhere they needed but this was my main focus for this project.

Alan Bourgeois [Front-End] - Helped with the design and coding of the HTML/CSS for the website pages. I initially built a basic blueprint using Figma, and then Jack and I began working together through many variations and versions, implementing the nav bar, image gallery, ingredients list, filter check-boxes, and right-swiped cards. My goal with the external style sheet was to create a clean, solid looking website that was simple to edit and easy to debug.

Deployment: hungry-hill.herokuapp.com