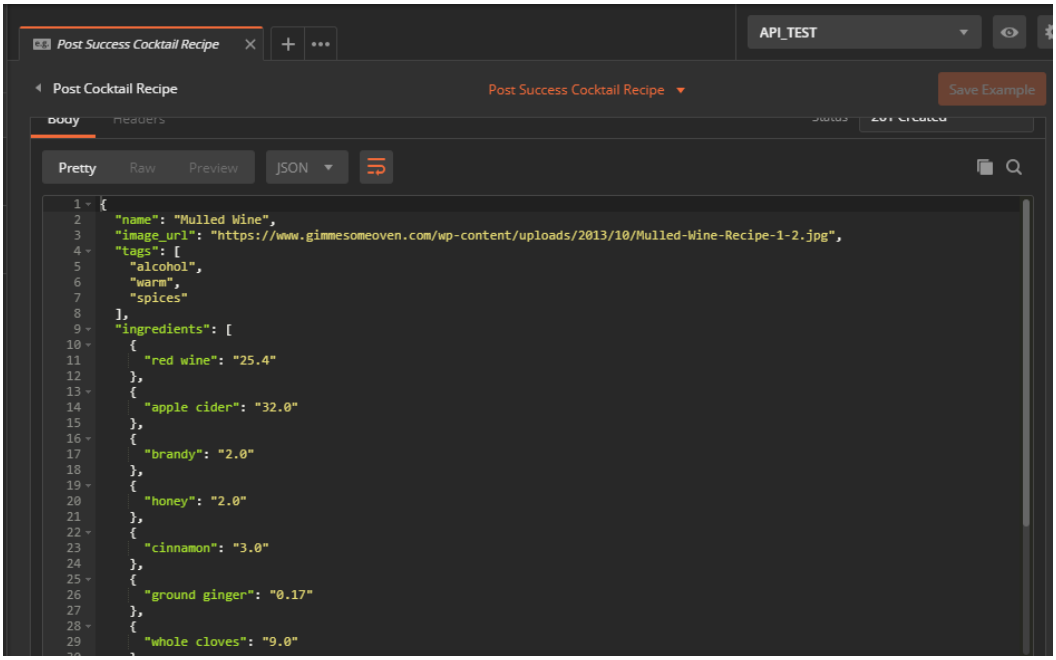
Kaitlyn Vuong

CS441 – Software Engineering

December 1, 2019

Midterm Self Progress Report

At the beginning of the semester, I was originally supposed to work on the frontend with Hanna and Jasmine. However, due to my experience with Postman and RESTful APIs I was delegated to work on the backend with Ace, Michael and Eric. I started by explaining Postman to Ace and Michael until they had a better understanding of Postman and its abilities. I provided examples of a JSON file of what the API should be returning in the examples of Postman that would help later with tests.



In addition to this, I helped create use cases for our app. Ace provided some ideas and listed them in a Google Docs and I would create use cases out of them.

USER STARTS SYSTEM ON DESKTOP:

1. User visits website on desktop computer through web browser
2. Website shows the features but prompts the user to log in or create an account
    a. User logs in with existing account credentials
    b. User creates an account using email and password
3. Website splits the screen with two pictures (beverage vs. food)
4. Website asks the user whether they want to view beverage or food recipes
5. Website displays a message asking user whether they want to view beverage or food recipes
    a. User chooses "beverage recipes"
        i.
    b. User chooses "food recipes"
        i.
    c. User chooses "both!"

USER DOES NOT HAVE AN ACCOUNT:

1. User visits website on desktop computer through web browser
2. Website shows the features and prompts the user to log in or create an account
    a. User does not have an account but wants to see what the website has to offer
    b. User exits out of the prompt without logging or creating an account
3. User is able to look up recipes, scroll through, etc.
4. System will restrict user from being able to customize recipes, favorite/save recipes, share, access calendar and so on

USER FORGETS PASSWORD:

1. End user downloads application through app store on mobile device
2. User launches app
3. App prompts user to log in or create an account
    a. User forgot password
        i. Sends email and asks for verification before resetting
4. App asks for the new password
5. Lets the user log in and continue as normal

USER CREATES A LIST OF INGREDIENTS:

1. End user launches app
2. User logs in [without an issue]
3. User clicks dropdown menu
    a. Clicks on inventory
4. Inventory shows a variety of ingredients
5. User clicks on the ingredients they have
6. User clicks done
7. Apps offers option to name the inventory
    a. User can name and save
    b. Otherwise system will name it "List #_"
8. Apps saves the list and displays "List has been created"

SYSTEM GENERATES RANDOM RECIPE:

1. User enters an inventory list
2. System saves the list
3. User can click generate
4. System will cross reference the ingredients to the list
    a. System will display "Your recipe is being created"
5. System will pop up the recipe right for the ingredients
    a. If there are several, user can scroll through them and pick the one they like

USER'S PROFILE:

1. User launches the app
2. App prompts user to log in or create an account
3. User logs in
4. User clicks on dropdown down menu
5. User clicks on personal
    a. System pops open a calendar [ehhh]
        i. Export recipe to specific date, date will have link to recipe that will open app
    b. User can add calories and meal/snack they ate [ehhh]
    c. User can plan meals for the week or month
    d. User can add a personal shopping list

USER WANTS TO SEARCH FOR RECIPES:

1. User enters app with a specific craving
    a. Specify?
        i. "I want to eat chicken…"
        ii. "I want a lebanese dish…"
2. User logs in
3. System has a search bar at the top of the app
4. User searches for a particular item
5. System provides a list with similar or actual recipes pertaining to the searched item
    a. User may be able to filter the results further
        i. Lebanese meal with chicken
        ii. Lebanese meal with beef
        iii. Lebanese meal with saffron idk

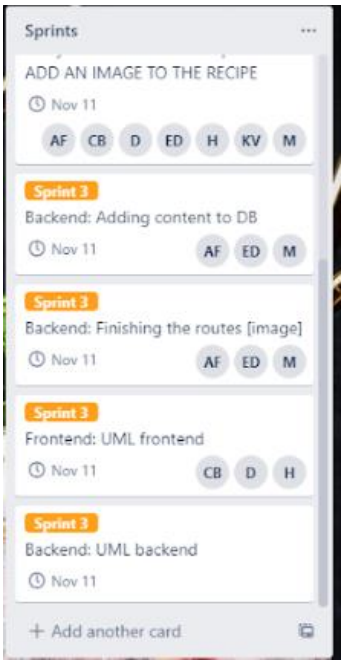
USER WANTS TO SAVE RECIPES:

1. User logs into their account
2. User searches for a specific craving
    a. Specify?
        i. "I want to eat chicken…"
        ii. "I want a lebanese dish…"
3. User finds a couple they are interested in
4. User can favorite it
5. System will save the recipe
    a. Saves it into a list in their profile under Personal

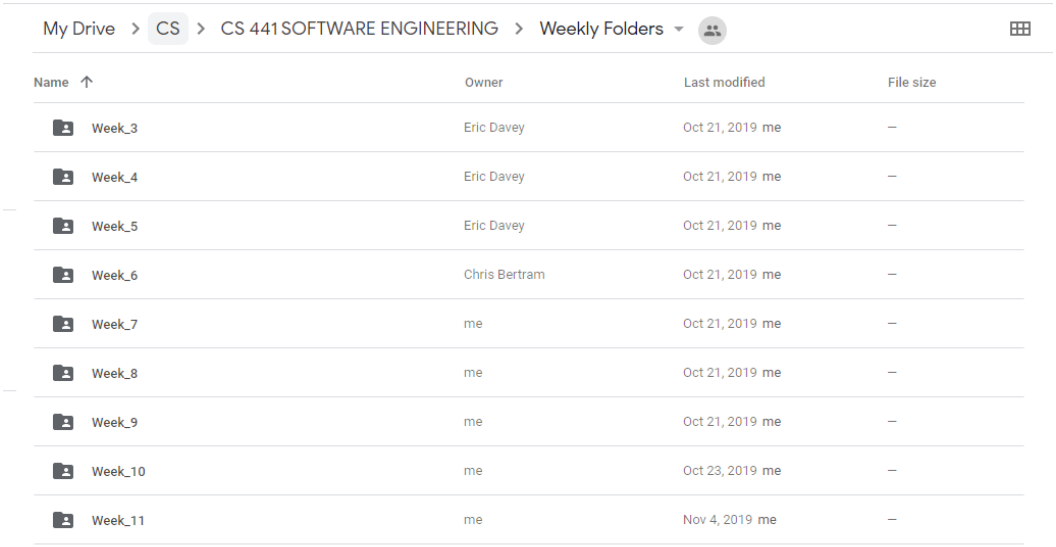
USER WANTS TO DELETE THEIR ACCOUNT:

1. User logs into their account
2. User clicks on dropdown menu
    a. User clicks on settings
    b. User clicks on "Delete Account"
3. System will prompt the user if they want to delete account
    a. No
    b. Yes
        i. System will send an email to verify with a code
        ii. User will have to enter code

After working on these, I shifted gears and became organizing our documents and Trello board. My position in the group slowly shifted from the backend to project manager. I was not alone in this because Eric helped me organize and keep in contact with everyone to make sure the project was coming together. I was not used to managing six people and checking in on everyone to make sure cards on the Trello board were being implemented. I started setting up sprint meetings. I kept track of everything we have accomplished during the sprint meetings and what



our goals and expectations were for the next sprint meeting. If our goals were not met at the next sprint meeting, I would change their due date and add them to the next sprint meeting. I mainly did this through Trello because it allowed me to set due dates and keep track of who was working on what. During each class time, I would check in on the frontend and backend to see their progress. Eric helped me with this because I was not sure how to communicate with everyone and he showed me how. In addition to this, I used Trello to keep track of what was in progress and what needed to be implemented. I learned that I should break the sprint cards into more specific cards in order to know what is being done. This allowed everyone to see what was actually being implemented. I also kept track of what everyone was doing in each week and placing them into folders for everyone to see.



In order to implement a POST for the API in the backend, I worked with Ace and Michael to create a user interface. At first, I tried implementing a form with HTML and JS and tried to link that to the database or the API. However, after several tries of it not working, Ace and I had a discussion to figure out why it was not working. In the end, we figured it would be best to create a route in the API for POST and use Postman as a user interface. This was easier because we could simply place our JSON file inside the body of the route POST and send it directly to the API. At the moment, I scheduled a meeting with everyone to go over the slides before our final

presentation. In addition to this, I am making sure both the frontend and backend are being finalized before submitting the repo via email.