Team 5

Section 101  
11/03/19

Project Milestone 3

Back-End Development:

**Difficulties:**

For the backend, we had a hard time figuring out how we were going to connect the inventory, sales, dishes and order information to each other. More specifically, we weren’t sure how to relate each dish to its ingredients and amount of each ingredient. We spent a lot of time designing tables for our database and relating them.

**Demo & Features Completed:**

For our demo, we had a detailed outline of our databases. Our database was created, and we had all the necessary tables created.

Tables:

* Sales
  + Keeps track of profit/costs
  + Date and time
  + Dish ordered
  + Order id
* Users
  + Restaurants login information
  + Restaurants address, phone number and name
* Dishes
  + Dish id
  + Cost of dish
* Orders
  + Order id
  + User id (employee who took the order)
  + Date/time
  + Dish id
  + Quantity of dish
* Inventory
  + Ingredient id
  + Ingredient group
  + Ingredient unit
  + Ingredient quantity
  + Ingredient cost per unit
* Dish to ingredients
  + Relates the dish to its ingredients
  + Dish id
  + Dish name
  + Ingredient id
  + Ingredient quantity

**Suggestions:**

We populated the tables with dummy information for testing through our nodejs page. The suggestion from Carl was to start working on the integration layer as soon as possible because that is going to take a lot of time.

**To Do:**

We need to write a SQL Script to populate the Dishes and Dishes\_2\_Ingredients table in a JSNODE file. After this is done we will start to test for insertion and deletion and ensure that all the data is being properly manipulated. We will also need to account when a dish is order that the ingredients are subtracted from the inventory table.

Front-End Development:

**Difficulties:**

Problems we faced in the front end were how to exactly format the structure of our website so that the user could understand how to enter everything without going through too much trouble. Tips from TA:

- create different views for manager/employees

**Demo & Features Completed:**

We first started by sketching our home page to see what tabs we would have in the navigation bar. We then started with the login/create account page. After we found what fields we were going to use we started with building the structure of our website home page and login page. During the demo we showed the TA our sketches, homepage, and our create account page which weren’t fully built but were almost completed and they all worked flawlessly.

**Suggestions:**

A suggestion from Carl was to create different views for manager/employees. This would just allow for differentiation between what the manager would see versus what the employees would see. This could lead to things like sales that would only be seen by the managers, or other specific actions/data that managers would be given access to, but not employees.

**To Do:**

We need to finish the rest of the log in/create account page by this next week at the latest. This will allow for Haley and BJ to begin working more on the integration layer, as that will take the majority of our time, and Ziad and Mauro can continue working on the front end and back end respectively. This will allow for continued progress in all parts of the development of our product.