

## Functional Requirements

### 1. User Authentication and Access

- a. The first thing anyone sees when accessing the app is a signup/login page.
- b. Signing up prompts the individual for a username and password
  - i. The password must be encrypted.
  - ii. No specified username or password requirements
    - 1. Username: At least 6 characters
    - 2. Password: At least 8 characters with a number and uppercase letter
  - iii. The system must then save the username and password
- c. On subsequent login, the user should then be able to enter their username and password to enter the site.
- d. Every user must re enter their username and password each time they visit the app.

### 2. User Account Features

- a. Managers, Baristas, Cashiers, and Customers all have the ability to add money to their account in an easy to read/use fashion.
  - i. There is no set limit to the amount of money they can add (could use dollars or cents).
  - ii. Only this digital money is accepted in the shop.
- b. Managers accounts should have access to barista, cashier, and customer views.
- c. Barista and cashiers accounts should have access to barista, cashier, and customer views.
- d. Customer accounts should only have access to the customer view.

- e. The manager account should be able to remove and add cashier and barista accounts.

### 3. Individuals Views

#### a. Customer View

- i. A customer can view the menu of drinks
- ii. A customer can select customizations for a drink
- iii. A customer is notified when their drink is ready

#### b. Cashier View

- i. The cashier should be able to see what the customer has selected.
- ii. The cashier can see the total amount of money the customer's selections will cost.
- iii. The cashier can see if the customer has paid and how much has been paid.
- iv. The cashier can look up customer accounts to help them order

#### c. Barista View

- i. The barista can see a list of orders sent in by customers.
- ii. The barista can mark orders as complete and they will then leave the page.

#### d. Manager View

- i. A manager can view and add inventory.
- ii. A manager can view products.
- iii. A manager can add new products.
- iv. A manager view contains a button to pay employees.

### 4. Product Features

- a. Each base drink is a combination of specific ingredients
  - b. Ingredients can be modified in their amount
  - c. Certain ingredients can be added to a drink
  - d. Products are subject to change based on the managers adjustments
5. Inventory
- a. There will be a section where the manager can view total inventory.
  - b. Manager will be able to add new inventory for a certain price.
  - c. Inventory can be restocked at any time.
6. Payroll
- a. Cashiers and Baristas add hours via a button in their view
  - b. The manager pays all employees at the same time based on hours worked. We set the \$/hr at 15+. Paying employees resets their hours worked until paid again.
  - c. The manager is not paid on a salary. Only cashiers and baristas are directly paid.
7. Graphical
- a. A consistent color scheme of choice across the entire app
  - b. The app will be smooth and user friendly throughout

## Non-Functional Requirements

1. There will be multiple database object types which hold inventory, payroll, customer orders, etc.

- a. The database will also hold and remember user account info, including username, password, and account balance
2. The team will use the Git version control system, with GitHub as a remote repository.
3. The system must be deployable
  - a. Can be either locally hosted or hosted by a cloud service