Beau Barth

Week 7 Assignment – Final Project Idea

## Project Name:

Fresh and Fast – A grocery delivery application

## Project Description:

The Fresh and Fast grocery delivery application is a single page application which will provide customers seeking fresh produce, meat, and dairy options the ability to skip the drive, skip the line, and order easily from their desktop or mobile device. The application also provides Fresh and Fast employees the ability to manage inventory in real time, ensuring their customers always have the most up to date view of the products available.

## User Stories:

1. ***As a F&F app user, I want the ability to view details about the product inventory available so that I can make informed purchasing decisions***  
     
   **AC1 –** I want to view products in inventory, available or out of stock  
   **AC2 –** I want to view the name, description and current price of the product  
   **AC3 –** I want to view the current availability of the product  
   **AC4 –** I want the ability to add the product to cart if available  
   **AC5 –** I do not want the ability to add unavailable products to cart  
   **Stretch Objective –** I want the ability to select the quantity of a product to add to cart
2. ***As a F&F app user, I want the ability to view my shopping cart while shopping so that I know what I have already added to or may need to remove from my current order***  
   **AC1** – I want the ability to view my shopping cart while shopping for products  
   **AC2** – I want an organized, categorized view of the products in my cart  
   **AC3** – I want to view the name, quantity, and total price for each of my product selections in my cart  
   **AC4** – I want the ability to remove product selections from my cart  
   **AC5** – I want the ability to view and select shipping options for my order  
   **AC6** – I want the ability to see the total cost of my purchases and shipping option selected  
   **AC7** – I want the ability to continue shopping after/while viewing my cart  
   **AC8** – I want the ability to proceed to checkout after viewing my cart

**Stretch Objective** – I want the ability to update the quantity of a product while viewing my cart

1. ***As a F&F employee, I want the ability to view and manage our current product inventory so that I can ensure customers have a real time view of the products we have available*AC1** – I want the ability to view all products currently in inventory  
   **AC2** – I want the ability to add a new product to inventory  
   **AC3** - I want the ability to enter or view the name, description and image URL for each product in inventory  
   **AC4** – I want the ability to enter or view the price and availability for each product in inventory  
   **AC5** – I want the ability to remove a product from inventory  
   **Stretch Objective –**  I want the ability to filter my view of inventory by various product attributes

## Dependencies:

* Accessible Web Server
* Product Inventory must be identified and initial load is required
* React Router

## Tasks:

1. **Setup create-react-app scaffold**
2. **Identify and create initial product inventory**
3. **Create Inventory UI**
   1. Create Inventory Parent Component and Child Components
      1. Item Name
      2. Item Availability
      3. Item Price
      4. Item Image URL
      5. Item Description
   2. Create Inventory Add/Remove (Update) Methods
4. **Create Product Selection UI**
   1. Create Product Selection Parent Component and Child Components
      1. Item Name
      2. Item Price
      3. Item Description
      4. Item Image
   2. Create Add to Cart Method
   3. Create Sold Out Method
5. **Create Shopping Cart UI**
   1. Create Cart Parent Component and Child Components
      1. Item Name
      2. Item Quantity
      3. Line Item Price
   2. Create Delete Item Method
   3. Create Shipping Item Component and Child Components
      1. 3-5 Day Ship Method
      2. Next Day Ship Method
      3. Shipping Price
   4. Create Total Price Component
   5. Create Return to Shopping Method
   6. Create Proceed to Checkout Method

## Week to Week Planning:

* **Week 1** – Build out inventory UI. Focus on functional design first, allow some time for styling once components are built and functional
* **Week 2** – Build out Product Selection UI and Shopping Cart UI. Focus on functional design
* **Week 3** – Complete outstanding functional design, complete all component styling. Run tests and retrieve feedback on usability.