

High Five Bagels

Goal: We are trying to create a web application to facilitate the selling of Bagels. This application should allow users to place bagel orders online as well as allow the Bagel Store to be able to keep track of orders and current bagel inventory.

Team:

- James Richardson - Back End Developer
- Dax Thompson - Front End Developer
- Mitch Parsons - Repository/Snacks Manager
- Adam Thomas- Art and Graphics Chief

Team Procedures and Guidelines:

- All communication will be done through Discord on the private server.
- Project and documentation will be handled and shared through GitHub.
- It is required that before you start working, as well as right before you push anything new to the project repository, that you initiate a pull request to keep everything up to date.
- Meetings will be held once a week at a time agreed upon by all group members.
- If more work is needed, the team may meet more than the single scheduled meeting in a week.
- Any project communication as well as team meetings are prohibited if they are before 9:30am. Sleep is a team priority.

Development process:

- Solidify Requirements
 - Work with Dan to gather all requirements for the program. These requirements can range from necessary to wanted depending on the time we have.
- High-Level Design Stage
 - Using different methods we will layout the structure of the program. These methods include use cases and activity diagrams.
- Low-Level Design Stage
 - We will design the specific details of the actual program. Including the classes that will be used and how they will interact with each other. We will illustrate this with methods such as a class diagram.
- Project Development
 - Here we will develop the program itself. During this time we will build a usable program with the ideas we developed in the earlier sections.
- Testing and Bug Fixing

- We will thoroughly test the program and all of its classes and functions.
- Deployment of Product
 - We will turn in the project to Dan for review and release.
- Maintenance
 - This section will not be covered by our team.

Risk Analysis:

Functionality

- Be able to order bagels, schmear and bagel sandwiches
 - Likelihood: High
 - Severity: High
 - Consequences: If this doesn't run, the program is useless.
 - Workarounds: A prompt to the phone number of the Bagel shop in the case that the online order will not go through
- Be able to control inventory, generate report of what inventory is needed
 - Likelihood: High
 - Severity: High
 - Consequences: Company would lose track of supplies if this does not work.
 - Workarounds: Ability to scan a paper copy of the inventory to upload to the site.
- Be able to log into accounts populated with money
 - Likelihood: Medium
 - Severity: High
 - Consequences: Customers will not be able to use the site without an account
 - Workarounds: A continue as guest function where you can put in your credit card info at the checkout stage.

Usability

- Have different accounts for customers, cashiers, chefs and managers
 - Likelihood: High
 - Severity: High
 - Consequences: We need to distinguish the user so that cashiers, chefs and managers have access to inventory and checkout needs
 - Workarounds: An administrator override password
- Manager needs to be able to create accounts for cashiers and chefs
 - Likelihood: High
 - Severity: High
 - Consequences: If the manager cant create accounts for employees, the company will not be able to perform basic tasks.

-Be able to choose a particular time to show up

- Likelihood: High
- Severity: Low
- Consequences: Confusions with customers which might result in a bagel being thrown out.
- Workarounds: A message when bagel is ordered specifying when the bagel will be ready as well as a notification to the user when it is ready for pick up.

-Chefs should be able to see orders with bagels and bagel sandwiches

- Likelihood: High
- Severity: High
- Consequences: If this does not work, the chefs won't be able to make any bagels because they won't see any orders.
- Workarounds: This needs to work as planned.

-Cashiers should be able to see orders with bagels and schmears

- Likelihood: High
- Severity: High
- Consequences: Cashiers won't be able to check anyone out if they can't see the orders.
- Workarounds: Give the customer an e receipt when they order a bagel so that they can show it to the cashier if needed.