

SRS: System Requirements Specification

1. Introduction

The purpose of this document is to detail the intentions and scope of the web app, provide an overall description of its needs, and define the system's features and requirements. The intentions and scope are meant to explain the specific audience to appeal to, the system's use case, as well as the scope of the system. It will then cover a general description that will include how the system satisfies the user's needs. Finally this document covers the system's features and requirements separated by their, either functional or non-functional, status.

1.1 Purpose

The purpose of this application is to provide customers the option to purchase food items from their local grocery stores and deliver the items straight to their house. Users are able to select multiple places to shop from, giving them the benefit of finding exactly what they want without the hassle of searching the stores themselves. The application is designed to be a web application, but can still be accessed through mobile devices.

1.2 Intended Audience

This application is intended to be used by people of all ages from young to old. However, the user must have a valid payment method in order to pay for the service; aside from that, anybody is able to use the application.

1.3 Scope

To provide an easy to use and inviting web application for ordering an array of groceries from multiple grocery stores all at once and have them promptly shipped to your home. This application is intended to be used for ordering food items from local convenience stores. This application is intended to provide convenience for customers for whatever the reason. Whether it be because the customer can't physically shop for themselves, or the customer doesn't want to go through the hassle of shopping, this application is there to allow them to shop from wherever they are and have them delivered straight to their home.

2. Overall Description

Grocery Chimp is a web application designed to order an array of groceries from a plethora of local grocery stores simultaneously, and have your order promptly shipped to your home. Upon entering the app it presents a main screen showcasing the current food deals at the grocery stores nearby. Users can use the search bar to find what grocery item they are looking for and the search query yields the items similar to what was searched. The item list returned can be filtered and re-ordered based on cheapest, or by brand, or by store, etc. After placing the

groceries in the cart, there's the final pay screen and an ETA on when they will arrive at the user's entered address. The ETA on arrival is based on distance of the store & current projected grocery store traffic. Upon the groceries delivery, the employee takes a picture and uploads it to the app which notifies the user with the picture that the food has been delivered.

2.1 User Needs

Users need a fast, reliable, and user friendly grocery store ordering application. Grocery Chimp sets out to do just that with its inviting user interface that makes shopping for groceries fast and easy, and even displays the best deals on items from your local grocery stores.

2.2 Assumptions and Dependencies

We assume users have nearby grocery establishments as well as employees also nearby. Where nearby is defined to be a certain radius about where the user is.

3. System Features and Requirements

3.1 Functional Requirements

- The system should allow users to make an account provided that an address, name, birthday, and payment information is given.
- The system should display the current food deals/display products at the grocery stores nearby.
- The system should retrieve relevant products from the users query of the search bar and/or from filter features according to re-ordered based on cheapest, or by brand, or by store, etc.
- The system should allow users to place grocery items into their cart and place an order on those carted items.
- The system should determine the total amount we charge the customers, and the system should provide the features that allows customers to use coupon code.
- The system should allow customers to make online payments through the app.
- The system should provide estimated delivery time when they will arrive at the user's entered address.
- The system should notify customers when their groceries are delivered.
- The system should update with the current deals on grocery items from supported stores.

3.2 Nonfunctional Requirements

- Users should be able to see the current food deals at the grocery stores nearby.
- Users should be provided with an inviting and easy to use interface.
- Users should be able to make a new account or log in through their already existing accounts.
- Users should be able to filter the type of products to meet their specifications.

- Users should be able to search for an item.
- Users should be able to add, remove, and edit their grocery items list.
- Users should be able to pay through the app via some type of bank account information.
- Users should be given the daily deals of grocery items at their nearby stores.
- Users account information is secured with password authentication.