COSC 304 Project Group 5 - Shopping Cart
System Feature Document

Vision

The vision of our group is to make grocery shopping remotely available and easily available. The implementation of our web application enables users to make multiple grocery orders.

Information Architecture

The following outline is an information architecture for our app:

User Entrance:

- Login/Logout
- Start Shopping
- View all the orders made
- View Customer Info
- View Warehouse
- View Admin page

Order:

- Search for the desired item
- Add to cart
- Place order

Cart:

- Add items
- Delete items

Items:

- Description of each item
- Image of item

Customer

- View customer profile information

Warehouse:

- View a list of all current items in the warehouse

Admin

- View a list of all orders
- View a list of all customers
- Database reset

Technical Architecture

Frontend Framework:

The frontend is made using HTML and JSP elements. The frontend framework seamlessly connects with our backend which stores all the data for our application.

Backend Framework:

We used the jdbc driver to connect with the sql server so that we can pull the data from our file ordedb_sql.ddl.

Database:

The database management language used for this project is SQL and the data is stored in the file ordedb_sql.ddl. This file consists of 10 tables that are used to store data about different users that log into the application.

Features

Each item has a description and an image to help users better understand each item. Each item can be searched for using the item name or by using the category name in the search bar.

All the pages except the home page have a top navigation bar. In the top navigation bar, the user can navigate to their cart or view their orders. The user can click on a menu item to navigate to it. The navigation bar also shows the current logged in user.

The cart feature allows users to add or remove items from it and update the quantity of your item as required. Users can make changes to the cart and see what it contains, before placing the order.

Each user checks out on their customer id. This helps keep track of each order in the database and increases the usability of the app.