**Grocers Project – Mini Project**

**DESCRIPTION**

Create a website that deal with online purchase of groceries.

**Background of the problem statement:**

You work at XYZ solutions as a Java Full stack developer. Due to the Covid-19 situation every business is becoming online. You are asked by your management to lead and develop a dynamic website for online purchase of groceries.

**Implementation requirements:**

1. Create a rich frontend
2. Create admin and user portals
3. Create functionalities for admin portal such as adding, updating, an grocers items.
4. Create functionalities for user/customer portal such as, registration, sign in, purchasing item, adding to the cart, and wish listing items.
5. Create database for storing all application related information.

**The following tools must be used:**

* Java 1.8
* Spring MVC
* My SQL Database
* Eclipse IDE
* JPA

**The following things to be kept in check:**

1. You need to document the steps and write the algorithms in them.
2. The submission of your GitHub repository link is mandatory. In order to track your tasks, you need to share the link of the repository.
3. Document the step-by-step process starting from creating test cases, then executing them, and recording the results.
4. You need to submit the final specification document, which includes:
   1. Project and tester details
   2. Concepts used in the project
   3. Links to the GitHub repository to verify the project completion
   4. Your conclusion on enhancing the application and defining the USPs (Unique Selling Points)

**Use Case Diagram**

Sign in

Admin



Sign up

Sign in

User

**Use Case Diagram for Admin**

Add Products

Sign in

Admin



Customer

Logout

View Products

Update Products

**Admin Panel**

* + Admin will sign in with the already pre-entered credentials present in the database, if the credentials wrong show the error messages and allow admin to re-login
  + After the successful login admin must able to see the Dashboard with the following operations
    - Add products
    - Update products
    - View Requests
    - Logout

**Use Case Diagram for User**

Admin



Part of the Cart

Select Items

View Items

Checkout

Delete Items

Order Status

Sign up

Sign in

User

Add Funds

Log out

**User Panel**

**Sign up:**

* + User can signup entering details like firstname, lastname, email, password, dob, phone no, address and user id should be auto-generated
  + Once user registers, user should able to see the auto-generated id using that user can sign in
  + Once user registers there should be some default amount to purchase items

**Sign in:**

* + Sign in will take user id and password, on successful authentication go to the dashboard of the user else show the error messages and allow user to re-login
  + If the user logs in successfully the application takes to the dashboard where the user can do the following operations:
    - Select items to the cart
    - Delete items from the cart
    - View items in the cart
    - Checkout
    - Order Status
    - Add Funds
    - Logout
  + **Logout:**
    - Logout from the application