SwiftCart.com : An Online Grocery Store

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- **Project Scope:**

  This project aims to develop an online grocery store system named SwiftCart.com that provides users with a convenient website to browse through, select, and purchase general household items. The system will allow users to create accounts, browse through a variety of products, add items to their cart, and complete the purchase. Users can choose to have the groceries delivered to their location. The pricing model will include product prices, and additional charges may apply for delivery services. The system will also manage supplier information for efficient inventory management.

  For implementing this project I will use MySQL database to manage user accounts, product information, and order details. The system will have entities for users, products, orders, suppliers, and delivery information. The application's front end will be developed using HTML, CSS, JavaScript, and ReactJS, while the backend will use Python, MySQL, and Django.

- **Technologies Used:**
  - Back-End:
    1. Python
    2. MySQL
    3. Django
  - Front-End:
    1. HTML/CSS
    2. JavaScript
    3. ReactJS
  - Additional:
    1. JavaScript(Node.JS)
    2. Django ORM

- **Functional Requirements:**

  1. User Actions:

a. Log In: Users can log in using their credentials.

b. Sign Up: New users can create accounts.

c. Profile Settings:

i. Change personal details.

ii. Manage delivery addresses.

d. Sign Out

2. Shopping:

a. Browse Products: Users can explore available grocery items.

b. Add to Cart: Add products to a virtual shopping cart.

c. View Cart: Review and modify items in the cart.

3. Placing Orders:

a. Place Order: Users can submit orders for selected items.

b. Order History: View past order details.

4. Delivery Options:

a. Delivery or Pickup: Users can choose delivery or schedule a pickup.

b. Order Tracking: Track delivery status.

5. Pricing and Payment:

a. Product Prices: Display prices for each product.

b. Delivery Charges: Clearly communicate additional delivery costs.

c. Payment Options: Support secure online payment methods.

6. Supplier Management:

a. Add/Edit/Delete Suppliers: Admin can manage supplier information.

b. Supplier Product Catalog: View products available from each supplier.

7. Interface Design:

a. User-Friendly Design: Intuitive and responsive for easy use.

b. Search Feature: Users can quickly find specific products.

c. Works on Various Devices: Accessible on desktops, tablets, and mobile phones.

8. Scalability:

System will handle increased users and transactions efficiently.

★ **Credits:**

- Used ChatGPT to get information about technologies required to complete the project.
- Referred to some project scopes available to get the format of writing project scope.