

## **Equitable Work Allocation Plan for Food Waste Reduction Platform Development:**

### **Meet Maheta**

**Responsible for Retailer-related functionalities, including both front-end and back-end components:**

- Develop HTML and CSS for the Retailer's inventory management interface (add-inventory-form.html and corresponding CSS).
- Implement the InventoryItem.java and InventoryItemDAO.java for backend logic, tying in with the Inventory tables in the database.
- Create the Servlets (AddInventoryItemServlet.java, SurplusItemServlet.java, UpdateInventoryServlet.java) for processing inventory actions.
- Extend the Retailer functionality by creating a Retailer dashboard to visualize inventory status and analytics in add-inventory-form.html and inventory-list.jsp.
- Assist in database design related to Retailer functionalities, ensuring proper relationships and data integrity in SQL schema.

### **Aditya Hirpara**

**Responsible for Charitable Organization functionalities:**

- Implement the CharityInventoryServlet.java for claiming food items and updating the inventory.
- Develop the JSP pages (charity\_inventory.jsp) to display available surplus items and manage claims.
- Handle the User.java model class adjustments for Charitable Organization functionalities.
- Create and maintain database tables and relationships pertaining to Charitable Organizations, including claim processes.

## **Parth Patel**

### **Responsible for Consumer functionalities:**

- Design and code the HTML/CSS for the consumer interface (discounted-items.jsp).
- Implement the consumer purchase functionality through ConsumerInventoryServlet.java.
- Manage the UserDAO.java for consumer transactions and inventory updates.
- Structure the database interactions on the consumer end, especially with purchase and discount features.
- Extra feature: Develop subscribe system for users to provide get real time alerts whenever retailer add donation or discounted items ( SubscribeServlet.java.)

## **Gurminder Singh Badwal**

### **Responsible for core system integration, CSS/HTML standardization, and database management:**

- Standardize HTML/CSS across the platform to ensure a cohesive look and feel, taking charge of files like login.html, registration.html, subscription.html.
- Create and manage LoginServlet.java, LogoutServlet.java, RegistrationServlet.java
- Oversee the database setup and integration, including schema creation and ERD refinement based on project.
- Responsible for jUnit tests for various methods in the whole project.
- Established and maintained the primary repository on GitHub, overseeing the integration of feature branches through meticulous review and management of pull requests to ensure a seamless merge into the main branch.