***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.