SE3050 – User Experience Engineering   **Semester 2, 2024**

SDG Selection & UX roles

Each UX team should select one of the UN SDGs and assign UX roles to group members

Fill the following table to show your findings

Group ID	SE-S2-WE-08
Group Name:	HungerBuster
SDG	SDG No. 02: **Zero Hunger**
Mini Project Title	Community Food Sharing Platform
Stakeholders	• End Users • Project Sponsors/Clients • Local Food Providers • Healthcare and Nutrition Experts

Individual components	Member 1: IT21813702
	
	Role: UX Researcher
	Component: Surplus Food Listing and Notification System
	
	Responsibilities:
	➢ User Rating System:
	  o Design and implement a system for community members to rate the service of the food distributors they received food from.
	
	➢ Food Provider Interface:
	  o Design and implement an interface for local food providers (i.e. restaurants, grocery stores) to list surplus food items on the system.
	
	➢ Categorization and Tagging:
	  o Ensure that food items can be categorized for easy searching.

Member 2: IT21315282

Role: UX designer
Component: Donation System

Responsibilities:
- ➤ **Elderly home donations system:**
- ➤ **School Kids Food Donation Management:**

- • **Document Submission by School Principals:**
  Interface for school principals to submit documents detailing the nutrition plan and list of low-income family students in need.

- • **Admin Approval System:**
  Workflow for school administrators to review and approve food donation requests.
  Notifications for principals on the status of their submissions.

- • **Student Eligibility Management:**
  Database to maintain records of approved low-income family students.
  Integration with the nutrition plan to ensure dietary needs are met.

- ➤ **Integration with Nutrition Plans:**
- • **Customizable Nutrition Plans:**
  - o Allow schools to create and manage nutrition plans tailored to the needs of their students.

- ➤ **Subscription Based Donations System:**
- • **Subscription Model:** Allow donors to set up recurring donations on a monthly, or annual basis.

- ➤ **Emergency Food Assistance**
- • Real-time alerts and updates on food availability during crises
  Connections to emergency relief services and shelters
  Information on local relief efforts and how to get involved

Member 3: IT21800900

Role: UI designer
Component: Food donation coordination and Food security tools

Responsibilities:
- Food freshness tracking system
  - Food expiry
  - Food safety inspection
  - Delivery feedback

- Real time donation tracking with client using interactive map
  - Pickup location integration
  - Route optimization
  - Included transparency/privacy for users' location

- Food data analysis dashboard for healthcare experts
  - Data visualization
  - Data collection and processing
  - Food Safety inspection for experts
    - Report takedown
    - Food Item Validation

Member 4: IT21827662

Role: UX Writer
Component: Interactive Food Education Content & Community Recipe Sharing

Responsibilities:
- **Interactive Educational Content:**

- **Videos, Quizzes, and Infographics:**
  Develop engaging videos, quizzes, and infographics to educate kids on nutrition, food waste, and healthy habits.
- **Interactive Modules:**
  Create interactive modules that explain food origins, production processes, and sustainability practices.
- **Multilingual Content:**
  Ensure content is available in multiple languages to cater to diverse student populations.
- **Community Recipe Sharing**

	• **Recipe Sharing Platform:** Design a platform for parents, students, and staff to share healthy and budget-friendly recipes. • **Voting and Rating System:** Implement a voting and rating system for recipes to help users identify popular and highly rated recipes. • **Featured Recipes and Tips:** Highlight featured recipes of the week and provide cooking tips to encourage healthy eating habits.
Competitive mobile apps	• Food Rescue Hero • Too Good to Go • OLIO

Identify User Groups

- Health Care Expert
- School Principal
- Food Donors
- Nutrition Experts