



## **Class Diagram – Submission 2**

**Project Name: Waste Food Management and Donation**

**Date of Submission: 27.10.2023 (11:59PM)**

<b>Course Code</b>	<b>CSE438</b>	
<b>Course Name</b>	<b>Smartphone Application &amp; Development</b>	
<b>Course Instructor</b>	<b>Shakib Mahmud Dipto Lecturer</b>	
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**Fall 2023**

## **Title: "NourishNow: The Waste Food Management and Donation App"**

### **Introduction:**

NourishNow is an innovative mobile application designed to address the growing issue of food wastage and hunger simultaneously. The app serves as a platform that connects food donors, such as restaurants, grocery stores, and individuals, with local food banks, shelters, and charities in need of food donations. It is a user-friendly, location-based solution aimed at reducing food waste while providing nourishment to those in need.

### **Description:**

NourishNow is a waste food management and donation app that leverages technology to connect donors and recipients, reduce food waste, and combat hunger. It promotes a culture of food rescue, sustainability, and community involvement, making it a powerful tool in the fight against food insecurity and environmental degradation.

### **Key Features:**

1. **Donor Registration:** Businesses and individuals can easily sign up and create profiles on the app. Donors can specify their location, types of food available, and the frequency of donations.
2. **Real-time Inventory Management:** Donors can use the app to catalog and update their available food inventory. The app provides tips on best practices for food storage to minimize waste.
3. **Request System:** Charitable organizations can send requests for specific types of food or quantities. Donors receive these requests and can choose to fulfill them if they have the required items.
4. **Scheduling and Reminders:** Donors can schedule regular or one-time donations, and the app sends reminders to ensure they follow through with their commitments.
5. **Quality and Safety Guidelines:** NourishNow offers guidelines and resources to ensure food safety and quality standards are met, promoting responsible food donation.
6. **Community Engagement:** NourishNow fosters a sense of community by organizing events, challenges, and campaigns to raise awareness and encourage more people to join the initiative.

