



ECO FOOD CONNECT

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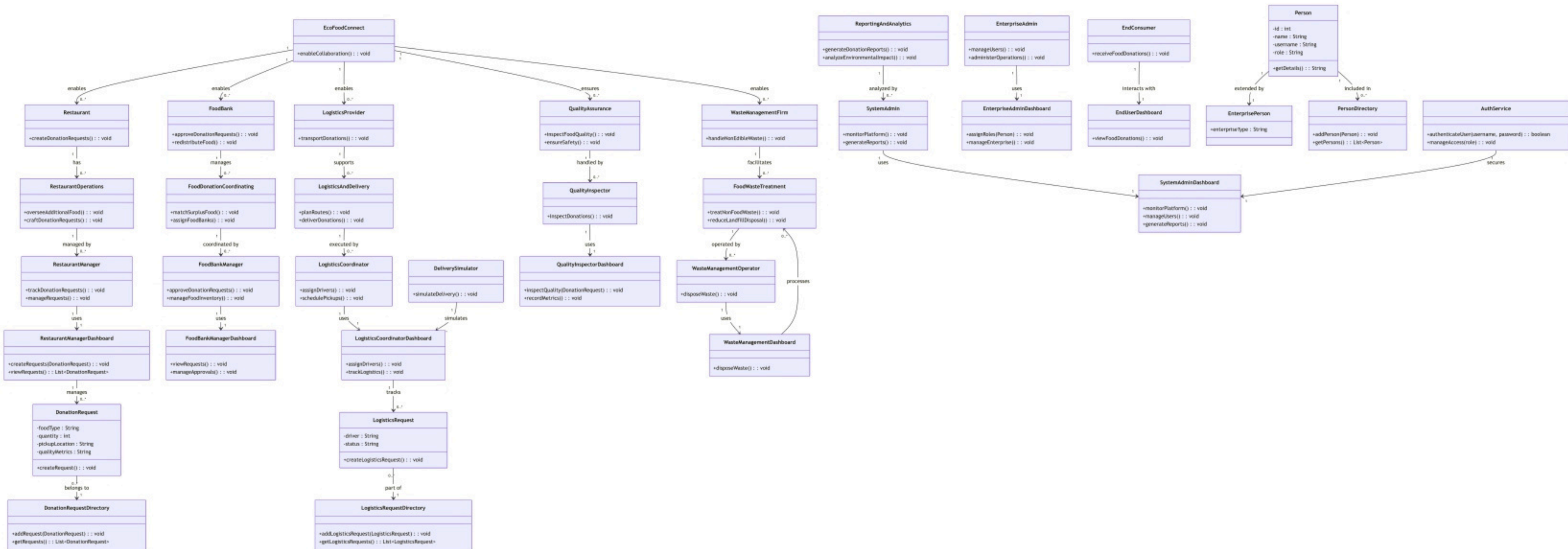
PROBLEM STATEMENT

- The United States has a staggering amount of food wastage, with over 133 billion pounds going to waste annually.
- This only adds to the already huge problem of climate change through increased greenhouse gas emissions and evidences a disconnected society when millions are hungry each day.
- Restaurants are one of the largest generators of surplus food, but they lack a unified platform to efficiently redistribute their excess food to those in need.
- That's where the inefficiency in dealing with food waste and hunger is: coordination among restaurants, food banks, logistics providers, and waste management firms.

SOLUTION

- EcoFood Connect is an end-to-end online platform that bridges the gap between restaurants, food banks, logistics companies, and waste management firms.
- This Java Swing-based software provides an enabling ecosystem for the following activities:
 - 1. Smoothening the process of food donation.
 - 2. Managing the transportation of surplus food.
 - 3. Appropriate disposal of non-edible food waste

UML DIAGRAM



ADVANCED FEATURES

Centralized Coordination:

- Links restaurants, food banks, logistics providers, and waste management firms.

Impact Metrics:

- Tracks donations, waste reduction, and carbon emissions.

Role-Based Functionality:

- Tailored dashboards and workflows for admins, restaurant managers, logistics coordinators, quality inspectors, and more.

Waste Management Integration:

- Sustainable disposal of non-edible food, including composting and energy production.

USE CASE HIGHLIGHT

Example: Food Donation Request Workflow

1. Restaurant Manager creates a donation request (type, quantity, pickup time).
2. Food Bank Manager reviews and approves/rejects the request.
3. Quality Inspector evaluates the food for safety and quality.
4. Logistics Coordinator assigns a driver and schedules pickup.
5. Food is delivered, and the request is marked as "Completed."

IMPACT AND VISION

- Reduces food waste, feeding the hungry sustainably.
- Lowers greenhouse gas emissions and landfill waste.
- Empowers collaboration for a positive environmental impact.
- Improves operational efficiency for restaurants, food banks, and logistics providers.
- Promotes transparency and accountability with trackable metrics on donations, waste, and environmental impact.



ECO FOOD CONNECT
ZERO WASTE

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THANK YOU