

ZERO HUNGER | ZERO WASTE (Food Waste Management System)

Problem Statement

- Food wastage is a massive problem and one of the most overlooked things in today's world
- One third of all food produced in the world goes to waste
- Some restaurants/cafés have a policy to not serve food from previous day, despite being perfectly edible. This is all thrown away as “waste”, at the end of day.
- Roughly \$400B in food ends up in landfills every year resulting in 3.3 billion metric tons of greenhouse gases annually which has multiple effects on the world. (ref: <http://foodtechconnect.com/2015/10/09/10-startups-reducing-food-waste-one-byte-at-a-time/>)
- At the same time, worldwide nearly 800 million people do not have enough to eat. That means one in nine people are suffering from hunger. Hunger and malnutrition are the number one risk to health worldwide. (ref: <https://www.foodbanking.org/hunger-food-banking/about-hunger/global-hunger>)
- This application provides a way to bridge the gap between the wastage and deficit, by letting restaurants/cafés, general people etc donate this food to NGOs, who in turn can feed the needy
- Also, the logistics department is a department, that employees needy people and is in turn generating employment in the society

Key Functionalities

- 1) Donar will post the excess food that they have
- 2) NGO will receive the notification from donar
- 3) NGO will send notification to logistics department
- 4) Logistics Department will pick up food parcel from donar and drop it at NGO
- 5) NGO will then give the food to the receiver

Entities

Donar

String donarName

String donarType

String donarLocation

NGO

String ngoName

String ngoLocation

Logistics

String logisticsName

String logisticsLocation

Receiver

String receiverName

String receiverType

String receiverLocation

Architecture Diagram

