CL - 8

Assignment 1
Batch : P11
Group ID:3

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Github: AyanGadpal/E-Annapurna

PROBLEM STATEMENT : E-Annapurna

Motivation :

Today, in the global hunger index India ranks **102nd out of 117 qualifying countries [1].** In India, **many people don't get daily food for a living**. Whereas 84.7% of the total food waste recorded was thrown in the bin in functions, weddings, and other hospitality industry [2]. We should provide that remaining food to the needy one instead of wasting it.

Requirement :

People who wish to donate their leftover food contact us via our website. We store their details with us. When someone requests for food, we check available food and the same areas as sponsors and allocate that much amount of food to them.

We have developed a system to help such needy people to provide them food from these functions given that,

1) Area and availability of volunteers
2) Area of Donor and quantity of food
3) Area and Quantity of Food required by requester.

Users :

1) **Consumer** : Who requests the food
2) **Volunteer** : Who wants to Deliver the food to the people
3) **Donor** : Who wants to Donate Food / Fund to NGO
4) **NGO** : Admin

Input :

1) **Volunteer :**
    a) Location : Area Volunteer is willing to work
    b) Available time slots : Week days

2) **Consumer**
    a) Location : Area
    b) Quantity of People : To estimate how much food (kgs) they will need
    c) Type of Food : RAW or COOKED
    d) Time : Dinner or Lunch

3) **Donor :** (Must Donate Food / Fund or Both)
    a) Personal Information
    b) Location
    c) Food
        i) Type of Food : RAW or COOKED
        ii) Amount in kg(s)
    d) Fund

Output :

1) **Volunteer :**
   a) Pickup Location : Area from where volunteers will pick up food
   b) Drop Location : Area where volunteers will deliver the food

2) **NGO :**
   a) Analysis of all data (Report)
   b) Mapping of volunteers to tasks

3) **Consumer** :
   a) Get Regularly Food (if available)

4) **Donor :**
   a) Acknowledgment

Proposed Solution :

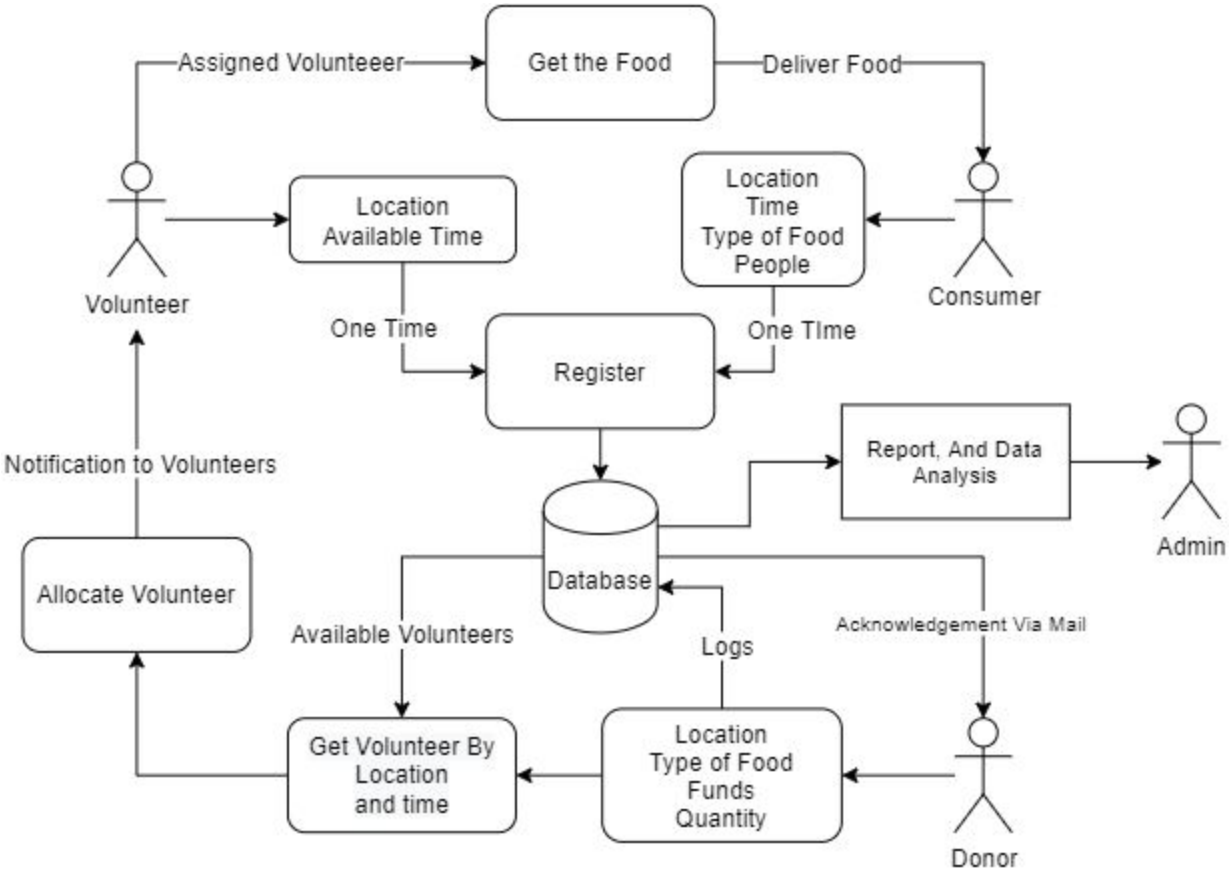

Fig. 1. Solution

Benefits of our system :

1) Volunteers will get mapped to their respective tasks
2) Donors will get a platform where they can donate hence food will not be wasted
3) Poor people will get food if available
4) Leaderboard will encourage people to donate food
5) NGO will get a full report on its performance
6) It will be easy for NGOs to keep track of donation and requirement of food

Summery :

Overall we aim to provide a generalized system that can be utilized by multiple NGOs such as the Robinhood Army [3] or Feeding India [4] to increase their utilization of resources, people and provide better service to the society.

Reference:

1. Global hunger index of india
2. Food wasted in functions such as wedding
3. Robinhood army
4. Feeding india

1st Review Remark :

1. Replace Doc. Conventions with glossary
2. H/W Interfaces - What h/w require like printer, RFID, etc.
    a. Add GPS if needed
3. System Features - List down rather than writing on block.
    a. Short and Simple
4. Perks / Certificates to donors and Volunteers.
5. Use cases