

Food Donation system

A series of several thin, white, parallel diagonal lines extending from the bottom right towards the top right of the slide, adding a modern, geometric design element.

Objective:

A web application that is useful for the management of Food Donation and collection activities.

Benefits:

- Users can easily donate food.
- examine all of their previous contributions.
- Helps in easy flow for managing donations.
- Log of every donation in details.


Features :

The System consists of three types of Users:

- Admins
- Donors
- Agent

- Admins: They control all the activities and accept/reject donations and select agents.
- Donors: They are the driving users of the application who donate food.
- Agents: They are responsible for collecting food from the homes of Food donors.
- Each user has an account.
- Every user also has a dashboard where they can view several things in the short summary.
- The application provides sign-up, login, and logout functionalities

Donor Features:

- Donors submit requests for food donations along with some basic information.
 - Donors' requests for donations can be approved or denied, and they can simply monitor the features.
 - Donors are able to examine their currently unfinished donations (if any).
 - Donors may examine all of their previous contributions as well.
 - The profile of a donor can be updated.
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- Several white lines of varying lengths and orientations are positioned in the bottom right corner of the slide, creating a modern, abstract graphic element.

Admin Features:

- Admins receive all the requests made by donors.
- Admins can accept or reject donation requests depending on the details provided by a donor.
- If accepted, admins can assign an agent to a donation to collect donations tin from the donor's home.
- Admins can view all the pending donations another ng with status.
- Admins can view all the donations that they have received.
- Admins can also view all the agents in the application.
- Admins can update their profile

Agent Features:

- Agents will receive notifications from admins to collect food from donors' homes.
- Agents can mark their collection upon collection of food from the donor's home.
- Agents can also view all the food donations which have been collected by them previously.
- Agents can update their profile

Dependencies:

- Bcryptj : 2.4.3
- Cloudinary: 1.33.0
- cookie-parser: 1.4.6
- cors: 2.8.5
- dotenv: 16.0.3
- express: 4.18.2
- express-fileupload: 1.4.0
- jsonwebtoken 9.0.0
- Mongoose: 6.8.1
- nodemailer: 6.8.0
- nodemon:2.0.20

Q & A:

Q1) How does this application authenticate the user?

- Only Donor can register for the app
- Admin can add the agent and another admin from the admin panel.
- All three types of users ie. The admin, agent, and donor can sign
- JSON WEB TOKEN token is used for creating the token, sending the cookie on the front end if the user has entered the correct credentials
- Every API request from the front will be validated

Q 5) What is the flow of donations?

- First user can add the food item from the donor donate panel and send the donation request with the pickup address,
- Admin then accepts or rejects the donation base on the donation requirement,
- If Admin accepted the donation, the admin has to assign the agent to collect the donation from the donor's home
- Agent can change the status of a donation
- Agent have a log of all the donation he collected or, donation yet to collect