



Project Title	Food Donation System
Technologies	MERN
Domain	Food
Project Level	Difficult

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1. Problem Statement:

Create a web application which is useful for management of Food Donation and collection activities.

2. 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 homes of Food donors.
- Each user has an account.
- Every user also has a dashboard where they can view several things in 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.

Admin Features:

- Admins receive all the requests made by donors.
- Admins can accept or reject the donation requests depending upon the details provided by a donor.
- If accepted, admins can assign an agent to a donation for collecting donation from the donor's home.
- Admins can view all the pending donations along 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 donor's homes.
- Agents can mark their collection upon collection of food from donor's home.
- Agents can also view all those food donations which have been collected by them previously.
- Agents can update their profile.

3. Project Evaluation metrics:

3.1. Code:

- You are supposed to write code in a modular fashion • Safe: It can be used without causing harm.



- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works similarly in every environment (operating system).
- You have to maintain your code on GitHub.
- You must keep your GitHub repo public so anyone can check your code.
- Proper readme file you have to maintain for any project development.
- You should include the basic workflow and execution of the entire project in the readme file on GitHub.
- Follow the coding standards.

3.2. Database:

MongoDB is a source-available cross-platform document-oriented database program. Classified as a NoSQL database program, MongoDB uses JSON-like documents with optional schemas.

3.3. API Details or User Interface:

You have to expose your complete solution as an API or try to create a user interface for your model testing. Anything will be fine for us.

3.4. Deployment:

Deploy the application on your preferred service.

3.5. Solutions Design:

You have to submit complete solution design strategies in High-level Document (HLD), Lowlevel Document (LLD), and Wireframe documents.

3.6. System Architecture:

You have to submit a system architecture design in your wireframe document and architecture document.

3.7. Optimization of solutions:

Try to optimize your solution on the code level, and architecture level, and mention all of these things in your final submission.

4. Submission requirements:

4.1. High-level Document:

You have to create a high-level document design for your project. You can reference the HLD form below the link.

Sample link: [HLD Document Link](#)



4.2. Low-level document:

You have to create a Low-level document design for your project; you can refer to the LLD from the link below.

Sample link: [LLD Document Link](#)

4.3. Architecture:

You have to create an Architecture document design for your project; you can refer to the Architecture from the link below.

Sample link: [Architecture sample link](#)

4.4. Wireframe:

You have to create a Wireframe document design for your project; refer to the Wireframe from the link below.

Demo link: [Wireframe Document Link](#)

4.5. Project code:

You have to submit your code to the GitHub repo in your dashboard when the final submission of your project.

Demo link: Project code sample link

4.6. Detail project report:

You have to create a detailed project report and submit that document as per the given sample.

Demo link: DPR sample link

4.7. Project demo video:

You have to record a project demo video for at least 5 Minutes and submit that link.

4.8. The project LinkedIn a post:

You have to post your project details on LinkedIn and submit that post link in your dashboard in your respective field.