

Project Title: Food Donation App

Synopsis:

The **Food Donation App** is an innovative and community-driven platform designed to connect individuals who have surplus food with those in need. Built using the MERN stack (MongoDB, Express, React, Node.js), this app aims to reduce food waste and combat hunger by providing an easy and secure way for users to donate and receive food. The platform facilitates the exchange of food through donation listings, requests, and location-based search, promoting a culture of generosity and sustainability within local communities.

Key Features:

- **Authentication & User Profile Management:** Secure login and registration system with personalized user profiles for donors and recipients.
- **Donation Listing:** Donors can post available food items with details like type, quantity, and location, making it easier for recipients to find and accept donations.
- **Request Listing:** Recipients can create requests for food based on their specific needs, including location and dietary preferences.
- **Map Integration:** A built-in map feature allows users to find nearby donations or requests, making the process of giving and receiving food more efficient.
- **Donation Acceptance:** Donors and recipients can accept or confirm donations, ensuring smooth communication and transaction.
- **Help & Support:** Access to FAQs, donation guidelines, and contact support for troubleshooting.
- **Real-time Notifications:** Instant alerts about nearby donations, requests, and status changes.
- **Admin Dashboard:** An admin panel to manage donations, user activity, and ensure platform integrity.

Technologies Used:

- **Frontend:** React
- **Backend:** Node.js, Express
- **Database:** MongoDB
- **Authentication:** JWT, OAuth
- **Geolocation Services:** Google Maps API

Contributors:

- **Developers:** Sumit Singh Rawat, Pratham Dhingra
- **Mentor:** Mr. Ritesh Kumar Gupta

Goal:

The **Food Donation App** aims to provide a seamless solution for food donation and distribution within local communities. By reducing food wastage and connecting those who have food to those who need it, the app contributes to addressing hunger and promoting sustainability. It empowers users to make a difference in their community while fostering compassion and a sense of shared responsibility.