

# Anna-Mitra

## Weekly Progress Report

Reporting Period: September 15 – October 12

A Web-Based Food Redistribution Platform

Connecting Donors • NGOs • Volunteers



# Project Overview

## Web-Based Platform

**Anna Mitra** is a web-based technology platform that rescues surplus cooked food from restaurants, events, hostels, and households and redistributes it to people in need through a verified network of NGOs and volunteers.

The solution streamlines the end-to-end donation lifecycle—from posting a donation, matching it with the nearest NGO, assigning a volunteer for pickup, ensuring safe handling, and confirming delivery—while maintaining transparency and traceability at every step.

 Home

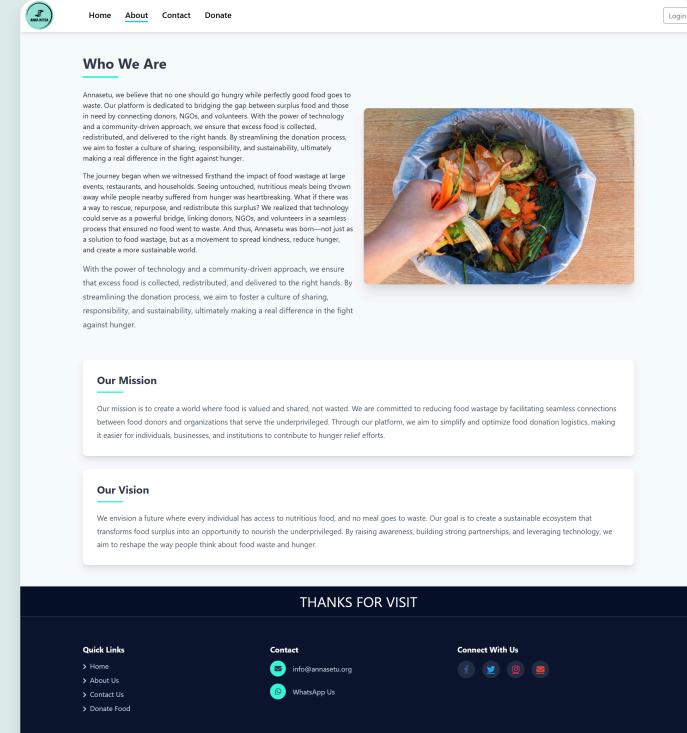
 Contact

 Account

 About

 Login

 Donation Details



The screenshot shows the 'Who We Are' section of the Anna Mitra website. It features a large image of a hand holding a blue cloth bag filled with various vegetables like carrots, onions, and bell peppers. The text discusses the platform's mission to combat food waste by connecting donors, NGOs, and volunteers. It highlights the use of technology to streamline the donation process and ensure food reaches those in need. Below this, there are sections for 'Our Mission' and 'Our Vision', both of which emphasize creating a world where food is valued and shared, not wasted. The footer includes links for quick navigation, social media, and contact information.

# Week 1 Progress

15 Sept – 21 Sept



## Summary of Tasks

### Finalized database schema

User, Donation, NGO, Volunteer, Proof, Feedback tables

### Set up backend environment

Node.js and Express framework

### Connected MongoDB database

For initial testing

### Defined basic API endpoints

Core functionality implementation



## Roadblocks

### Donor–NGO–Volunteer relationship linking

Complex data associations

### Database selection challenge

PostgreSQL vs MongoDB



## Upcoming Tasks

### Finalize database choice

Performance evaluation

### Start designing UI/UX wireframes

Static page creation

# Week 2 Progress

22 Sept – 28 Sept



## Summary of Tasks

- ✓ Started basic **UI/UX wireframes** (Home, About, Contact, role-based pages)
- █ Created **static frontend pages** according to wireframes
- ❖ Defined **endpoints** for static pages



## Roadblocks

- Difficulty finalizing **multi-role dashboards** layout flow
- **Responsive design** issues across different screen sizes
- Lack of finalized **routing structure** (role-based vs global)
- 🔒 Confusion between **public** and **private route** segregation



## Upcoming Tasks

- 🍴 Implement **donation functionality**
- 👤 Implement **donor-related functionality**
- lander Finalize required **models, controllers, helpers**
- integrator Integrate **mock frontend screens** with APIs

# Week 3 Progress

29 Sept – 5 Oct



## Summary of Tasks

- ⌚ Created **donation-related model** and controller
- +👤 Added **donor-related functionality**
- ✚ Implemented **creation, updating, viewing** of available donations
- ▣ Implemented **donation request functionality** for NGO role



## Roadblocks

- 🔗 Issues managing **relationships and validation** between Donor, NGO, and Donation models
- 👥 Challenges handling **multiple NGO requests** for the same donation



## Upcoming Tasks

- 🛡 Add **authentication and authorization**
- 👉 Finalize **role-based access** (Donor/NGO/Volunteer/Admin)
- 🌐 Perform initial **end-to-end backend testing**

# Week 4 Progress

6 Oct – 12 Oct



## Summary of Tasks

- 🛡 Implemented authentication (Passport local strategy)
- 🔒 Protected URL endpoints according to user roles
- ✍ Finalized UI for login/signup and dashboard pages
- 🔗 Started connecting frontend with live backend



## Roadblocks

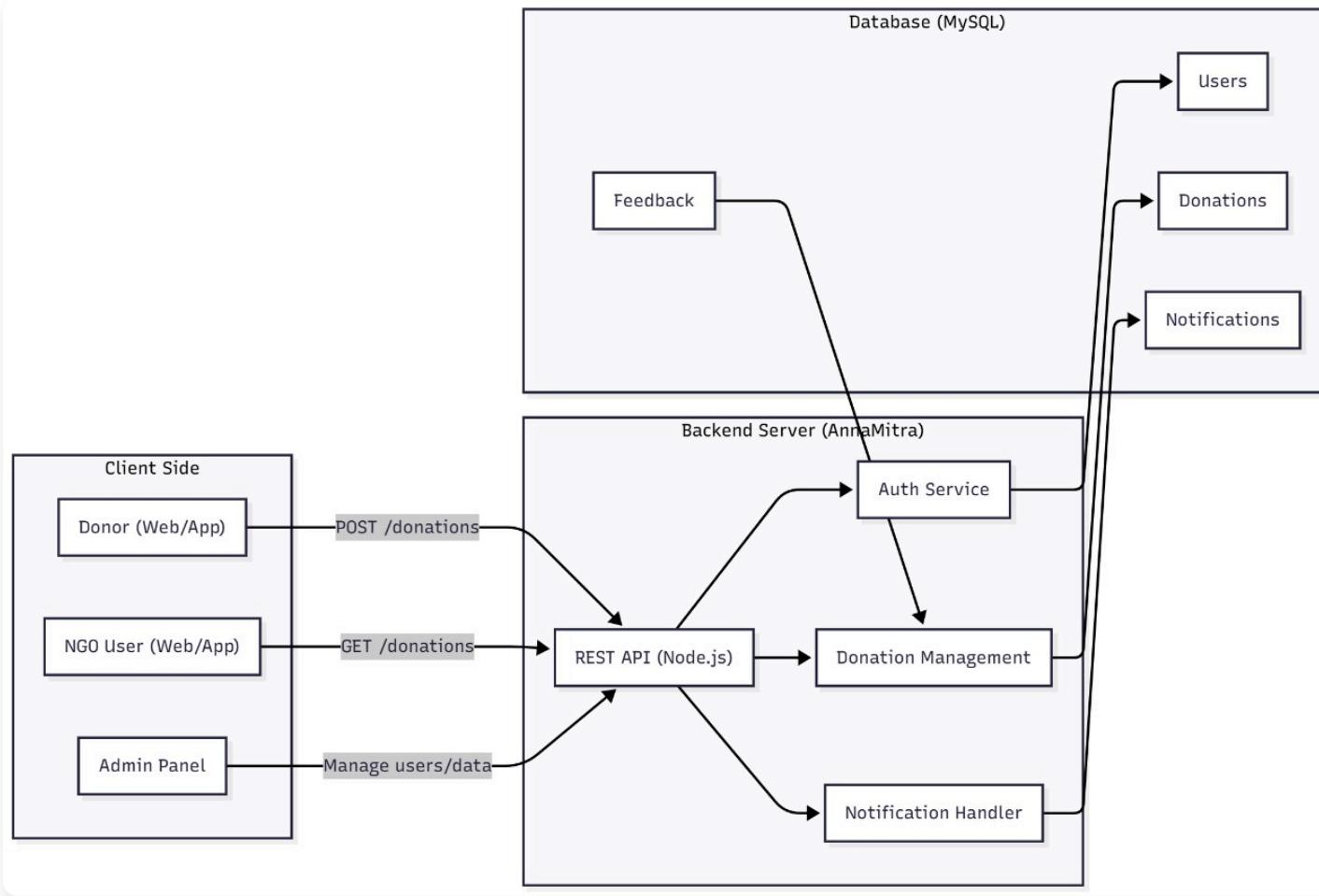
- ❗ Issues integrating **Passport authentication** with role-based access
- ❗ Session handling and redirect problems during login/signup
- ❗ API connection errors while linking frontend with backend



## Upcoming Tasks

- 👉 Resolve **CORS and map integration** issues
- 👉 Conduct **internal testing** of complete donation lifecycle
- 📝 Start preparing **test cases** and documentation draft

# System Architecture & Design



This diagram illustrates the **system architecture** of Anna-Mitra, showing the relationships between different components including the frontend, backend, database, and external services.

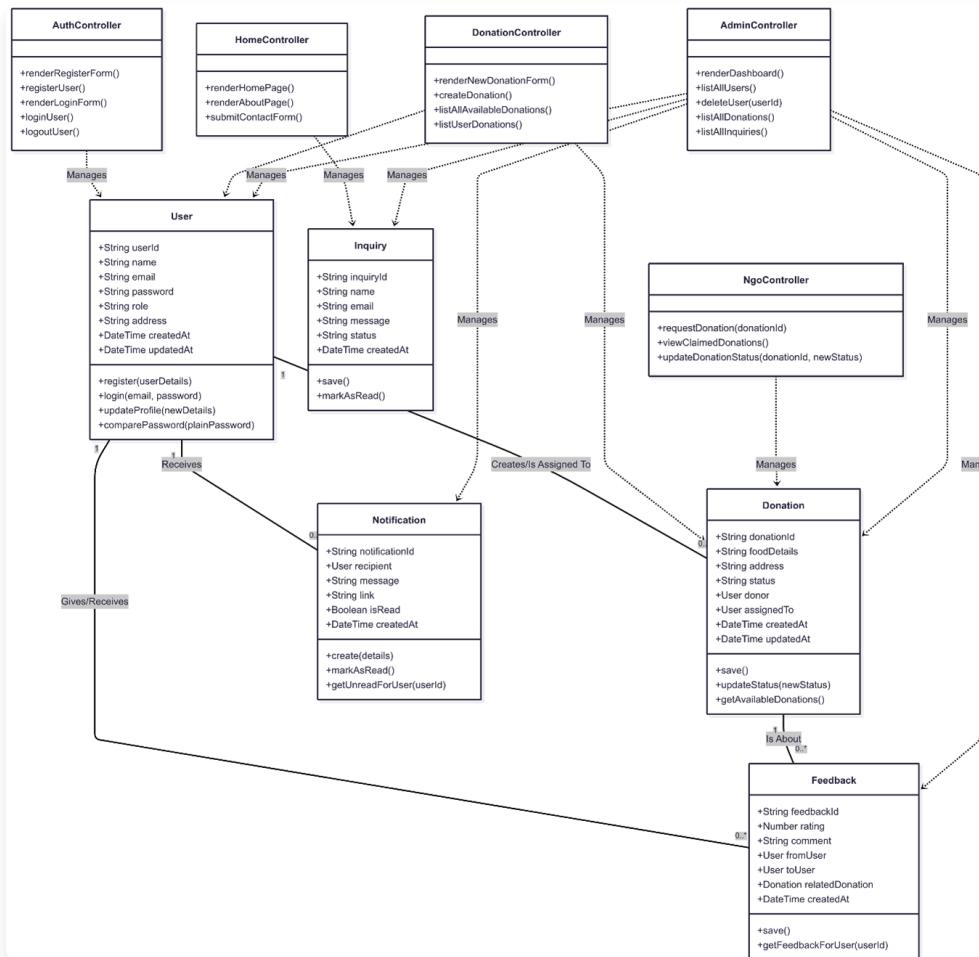
Frontend

Backend

Database

API

# Class Diagram



This class diagram illustrates the **overall structure** of the application, showing the relationships between different entities and their attributes.



User



Donation

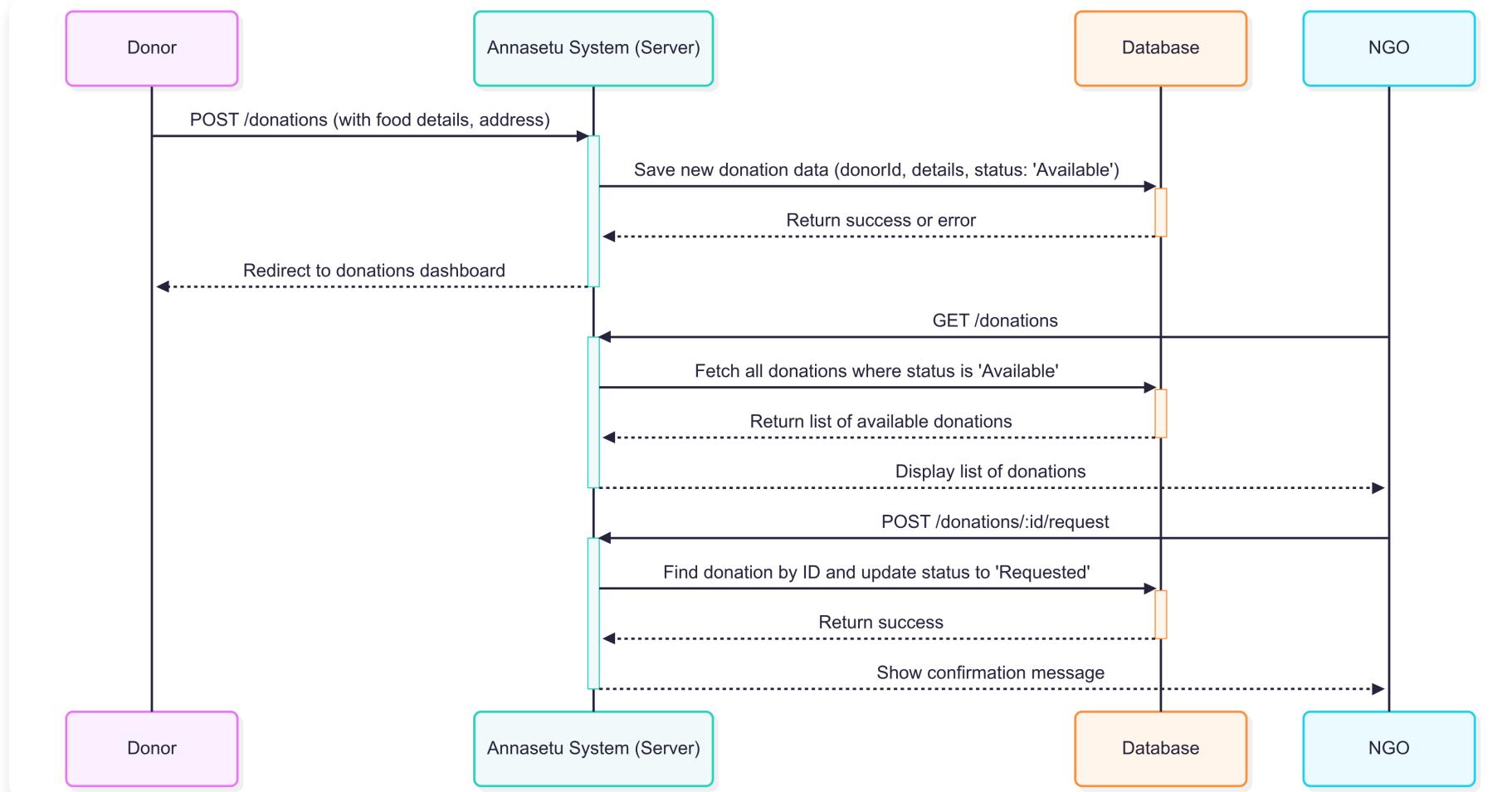


NGO



Volunteer

# Sequence Diagram



This sequence diagram illustrates the **flow of interactions** between different components of the system during the donation process, from initial request to final delivery.

Request

Matching

Delivery

Confirmation

# Account UI



## User Account Interface



Home   About   Contact   Donate

Responsive Design

### My Profile



@Hardas

**Personal Information**

Full Name  
Hardas

Email  
hardas@gmail.com

Phone Number

Address

[Edit](#)

**Profile Management**

**Settings & Preferences**

**Donation History**

**Notification Center**

THANKS FOR VISIT

#### Quick Links

- > Home
- > About Us
- > Contact Us
- > Donate Food

#### Contact

- info@annasetu.org  
 WhatsApp Us

#### Connect With Us



# Login UI

## Secure Authentication Interface

The screenshot shows a two-column layout. The left column features a teal-colored 'Welcome Back' section with a circular 'ANNA SETU' logo and a 'Sign in to your account to continue' button. The right column is a dark-themed 'LOGIN' form titled 'Access your account'. It includes fields for 'Email' and 'Password', a 'SIGN IN' button, and links for 'Register' and 'Forgot Password?'. A blue 'Role-Based Access' button is positioned above the login form.

**ANNA SETU**

Welcome Back  
Sign in to your account to continue

**LOGIN**  
Access your account

Email  
Password

SIGN IN

Don't have an account? [Register](#)  
[Forgot Password?](#)

**Role-Based Access**

**User Login**

**NGO Login**

**Volunteer Login**

**Admin Login**

THANKS FOR VISIT

**Quick Links**

- > Home
- > About Us
- > Contact Us
- > Donate Food

**Contact**

[info@annasetu.org](mailto:info@annasetu.org)

[WhatsApp Us](#)

**Connect With Us**

[f](#) [t](#) [i](#) [e](#)

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# Home UI

## Main Dashboard Interface

The dashboard interface features a top navigation bar with links to Home, About, Contact, and Donate. A purple button labeled "Role-Based Dashboard" is visible. On the right, there are four pink-bordered cards: "Active Donations" (with a fork icon), "Statistics" (with a chart icon), "Donation Map" (with a map icon), and "Updates" (with a bell icon).

### What We Do

#### Connecting Food Donors with Those in Need

AnnaSetu serves as a bridge between food donors and recipients. We collect surplus food from restaurants, events, and individuals, and distribute it to shelters, community kitchens, and families facing food insecurity.

Our network of dedicated volunteers ensures that good food doesn't go to waste and instead reaches those who need it most, creating a more sustainable and compassionate community.



#### Reducing Food Waste, Fighting Hunger

Every day, tons of perfectly good food is wasted while many go hungry. AnnaSetu works to solve both problems simultaneously by redirecting surplus food to where it's needed most.

Through our technology platform, we make food donation simple, efficient, and impactful. Donors can easily schedule pickups, and our volunteers ensure timely collection and distribution, maintaining food safety standards.



### Recent Donations

See how people are making a difference through food donations



Cooked Meals  
Vegetarian  
Quantity: Multiple servings



Fresh Produce  
Fruits & Vegetables  
Quantity: Multiple servings



Packaged Food  
Non-perishable  
Quantity: Multiple servings



Bakery Items  
Bread & Pastries  
Quantity: Multiple servings

### Our Impact



34+  
Meals Donated



2  
Active Volunteers



2  
Partner NGOs



2  
Regular Donors

## THANKS FOR VISIT

**Quick Links**

- > Home
- > About Us
- > Contact Us
- > Donate Food

**Contact**

- ✉ info@annasetu.org
- 📞 WhatsApp Us

**Connect With Us**

- Facebook
- Twitter
- Instagram
- Email

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# Donation Page UI

## Donation Management Interface

Home About Contact [Donate](#) [Login](#)

### Food Rescue

#### Donate Food

Your contribution can make someone's day brighter

##### Food details:

Food Title

Food Source

Food Items

| #                                | Name | Type | Condition | Quantity | Cooked Date & Time | Expiry Date & Time | Images | Action |
|----------------------------------|------|------|-----------|----------|--------------------|--------------------|--------|--------|
| No food items available          |      |      |           |          |                    |                    |        |        |
| <a href="#">+ Add More Items</a> |      |      |           |          |                    |                    |        |        |

Estimated people can be fed

Description

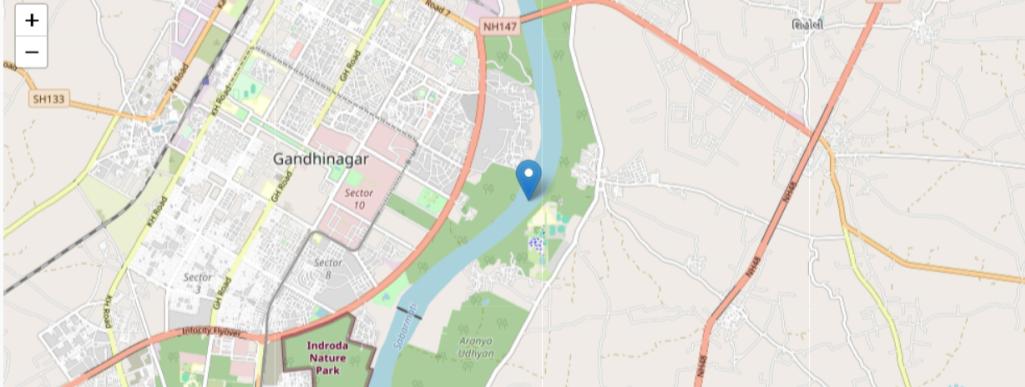
Food Image  
 No file chosen  
Upload an image of the food you're donating

##### Contact details:

Pickup Address  
 [Map](#)

City  State

You can also click on the map to set your address and coordinates



Contact person name

Contact Number

Email Address

[SUBMIT DONATION](#)

#### Create Donation

#### Food Details

#### Pickup Time

#### Location Info

THANKS FOR VISIT

**Quick Links**

- > Home
- > About Us
- > Contact Us
- > Donate Food

**Contact**

[info@annasetu.org](mailto:info@annasetu.org) [WhatsApp Us](#)

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# Upcoming Weeks (5-8)



## Week 5: Upcoming

13 Oct – 19 Oct

- ✓ Complete **UI polish** and validation checks
- 🔔 Implement **notification system** (Firebase/SMS)
- 👥 Conduct **user testing** with dummy accounts
- 🏢 Implement **NGO functionality**

5



## Week 6: Planned

20 Oct – 26 Oct

- ⌚ Perform **functional testing** and integration
- 🔧 Fix **bugs** and optimize performance
- ▶ Finalize **screenshots** and video demo

6



## Week 7: Planned

27 Oct – 2 Nov

- 📄 Prepare **final documentation** and PPT
- 👥 Conduct **review meeting** and presentation
- ✍️ Apply **UI/UX feedback**

7



## Week 8: Final Stretch

3 Nov – 20 Nov

- 📤 Submit **final build** and documentation
- 👤 Complete **presentation rehearsals**
- 📅 Final submission: **November 20, 2025**

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# Conclusion



## Key Achievements



### Database Setup

Finalized schema  
MongoDB integration  
**User, Donation, NGO models**



### UI/UX Design

Wireframes completed  
Static pages created  
**Role-based dashboards**



### Backend Functionality

Node.js & Express setup  
API endpoints defined  
**Donation lifecycle**



### Authentication

Passport implementation  
Role-based access control  
**Protected endpoints**



### Donation Features

Creation & updates  
NGO request system  
**Volunteer assignment**



### Multi-Role System

Donor dashboard  
NGO dashboard  
**Volunteer & Admin views**

# Thank You!

Anna-Mitra: Connecting Food to Those in Need