

# Progress Milestone Check

## EcoConnect

### 1. Functional Requirements Checklist

Create a checklist with the following structure:

Feature	Completed	Description
CRUD Operations for Primary Features	Yes	Users can create, read, update, and delete donations, projects, and contact messages.
Frontend Functionality	Yes	React components display data from the MongoDB database and interact with API routes.
Backend Functionality	Yes	Node.js and Express handle API requests and responses for donations, projects, and contact messages.
Responsiveness Across Devices	Yes	UI adapts to mobile, tablet, and desktop views.

Specific Features	yes	Users can donate an amount of money to the organisation
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## 2. System Documentation

Structure your documentation into sections:

### Technical Architecture

- **Overview:** Briefly describe the architecture (MERN stack) and how components interact.
- **Technology Stack:**
  - **MongoDB:** Database for data storage.
  - **Express:** Web framework for Node.js.
  - **React:** Frontend library for building user interfaces.
  - **Node.js:** JavaScript runtime for the backend.

### Database Schema

#### ER Diagrams or Descriptions

- **Donations**
  - **Fields:**
    - **id:** Unique identifier for each donation.
    - **name:** Name of the donor.
    - **email:** Email address of the donor.
    - **amount:** Donation amount.
    - **date:** Date of the donation.
- **ContactUs**
  - **Fields:**
    - **id:** Unique identifier for each contact message.
    - **name:** Name of the person contacting.
    - **email:** Email address of the person contacting.
    - **message:** Message content.
    - **date:** Date the message was sent.

Endpoint	Method	Description
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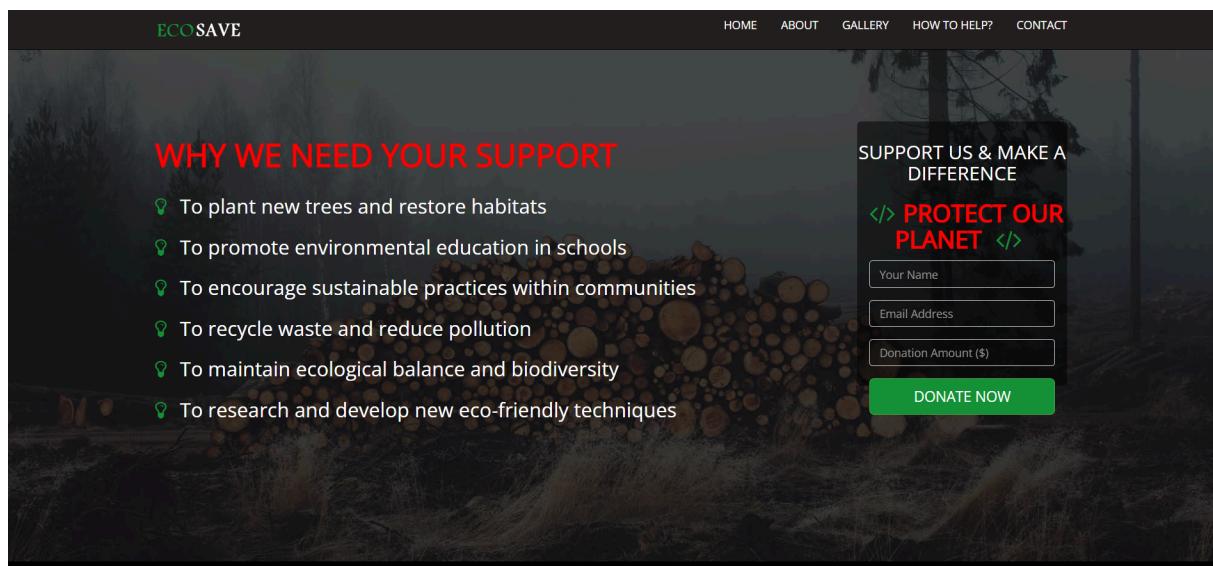
/api/donations	POST	Create a new donation entry.
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/api/donations	GET	Retrieve all donations.
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/api/contact	POST	Submit a new contact message.
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/api/contact	GET	Retrieve all contact messages.
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## User Interface (UI) Design



## ABOUT US

At EcoConnect, we are dedicated to promoting environmental awareness and sustainable practices. Our mission is to connect communities with eco-friendly initiatives that make a difference.



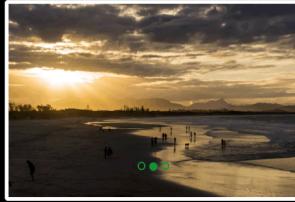
### Promoting Recycling

We advocate for recycling to minimize waste and conserve resources, encouraging communities to adopt sustainable practices.



### Eco-Friendly Techniques

We research and promote innovative eco-friendly techniques that support sustainability and environmental health.



### Waste Reduction

We focus on strategies to reduce waste through community programs and education on sustainable consumption.



### Resource Utilization

We promote efficient resource utilization to support environmental conservation and reduce our ecological footprint.

## Our Profile

EcoConnect is a community-driven initiative focused on fostering environmental sustainability through education, collaboration, and action. We believe in empowering individuals and organizations to take steps toward a greener future.

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Our programs include workshops, community clean-ups, and partnerships with local businesses to promote eco-friendly practices. Together, we can create a positive impact on our planet.

Join us in our mission to protect the environment for future generations and build a sustainable world for all.



"I am grateful to be part of a project that makes such a positive impact. The EcoConnect team is dedicated and inspiring!"

John Doe, Eco-Contributor



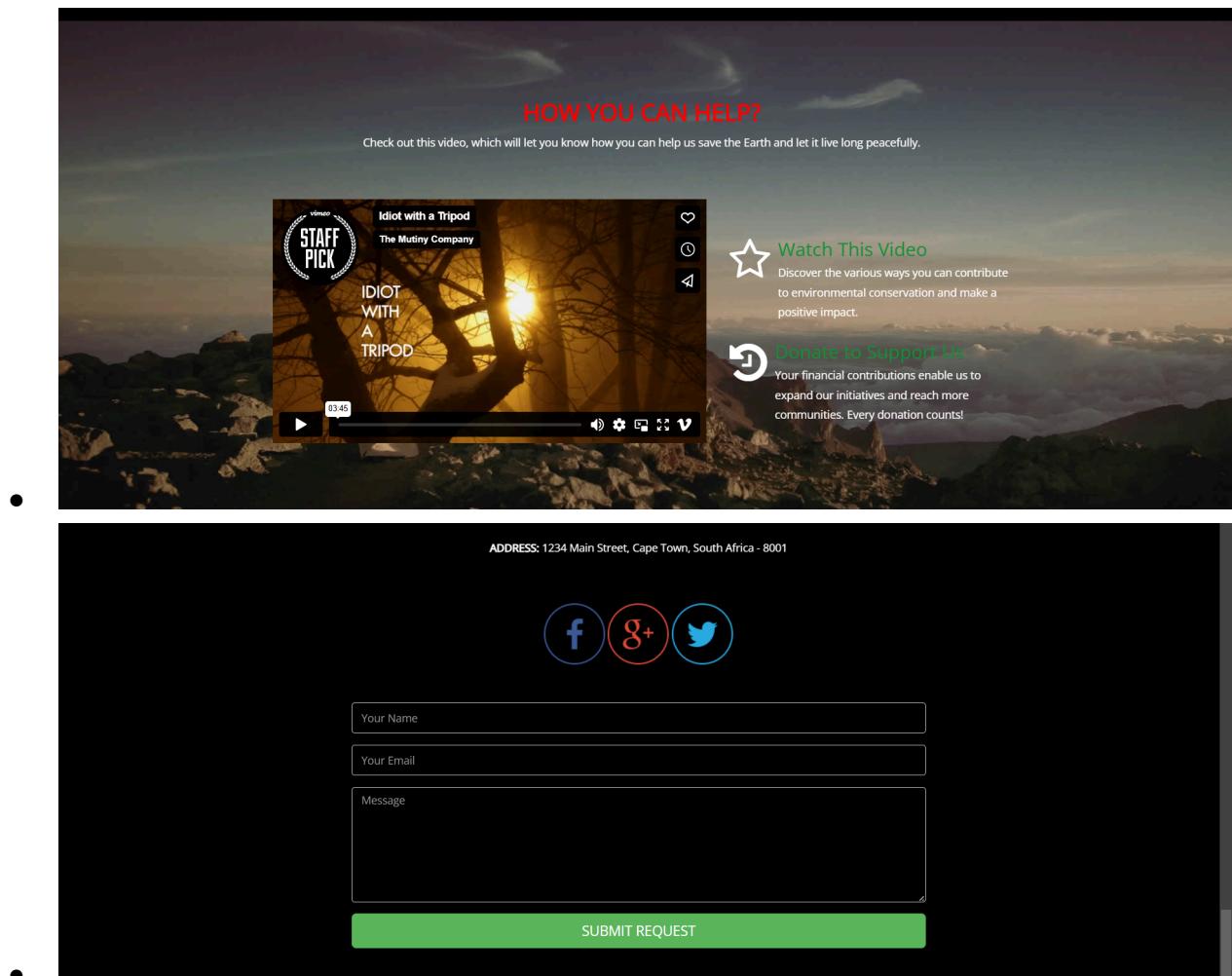
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## GALLERY

Explore our initiatives and events through our gallery.



Eco-Friendly Workshop



## Instructions for Running the Application

- **Development Environment Setup:** Include instructions on how to clone the repository, install dependencies, and start the application.

## 3. Problem Statement

Here's a template for your problem statement, following the structure you provided:

**Problem Statement:** Many communities face environmental degradation due to a lack of awareness and resources for sustainable practices. This issue is especially prevalent in urban areas where residents may not have access to information or local initiatives focused on environmental conservation. My MERN application, EcoConnect, addresses this gap by providing a platform that educates users on sustainable practices, tracks their environmental impact, and connects them with local conservation projects. By facilitating community engagement through organised clean-ups and tree-planting events, EcoConnect empowers

individuals to take action towards a more sustainable future, fostering a sense of responsibility and collective effort in combating environmental challenges.