Project Title: Climate Change Awareness System Documentation

1. Project Overview:

The Climate Change Awareness System is a comprehensive platform designed to streamline climate change awareness and related functionalities within organizations. It aims to provide users with essential information, updates, and tools to promote environmental sustainability and consciousness. The system is developed using React.js for the frontend, Express.js for the backend, and Microsoft SQL for database management.

2. System Details:

The system facilitates public onboarding, where users are required to submit essential information including first name, last name, address, date of birth, contact information, gender, and optionally, a photograph. Users can subsequently update their profiles, including password and profile picture changes, at any time.

The platform's user-friendly design integrates essential features to enhance climate change awareness. Through seamless navigation and intuitive functionalities, users can access vital information and updates easily.

3. Project Structure:

Frontend (React.js):

- Public Specific Features:
    - Login/Logout
    - Profile Management (View, Edit, Change Password, Upload Photo)
    - Receive Notifications for climate change updates

Backend (Express.js):

- Authentication:
    - Login Authentication
- User Management:
    - CRUD Operations for User Details

Database (Microsoft SQL):

- Tables:
    - **Users**: Stores public's details (ID, First Name, Last Name, Address, Birth Date, Contact Info, Gender, Photo URL, Email)
    - **Initiatives**: Stores Initiative details (Initiative ID, Tag, Date)
    - **Blogs**: Stores blog details (Blog ID, Blog Image, Blog Title, Blog Subject, Blog Content)