**GreenEats - Sustainable Food Blog**

**Author**: Dương Quốc Thắng  
**Description**: GreenEats is a web application designed to promote sustainable living through food. It provides users with eco-friendly recipes, blog posts, a sustainability calculator, and a contact form. Built with HTML, CSS, JavaScript, and JSON, the project leverages localStorage for data persistence and offers a modern, responsive user interface inspired by minimalist design principles.

**Technologies Used**:

* HTML5, CSS3, JavaScript (ES6)
* JSON for data storage
* localStorage for blog CRUD operations
* Flexbox and Grid for responsive layout

**How to Run**: Open index.html using a local server (e.g., Live Server in VS Code) to ensure proper functionality of fetch API.

**Screen Descriptions**

**1. Home (index.html)**

* **Purpose**: Serves as the landing page to welcome users and showcase featured content.
* **Features**:
  + A fixed navigation bar with links to all pages.
  + A hero section with a call-to-action button ("Try the Calculator").
  + A "Featured Recipes" section displaying 3 recipes from recipes.json.
  + A "Latest Blog Posts" section displaying 3 blog posts from blogs.json.
  + "Show More" buttons redirecting to Recipes and Blog pages.
* **Design**: Clean and vibrant layout with a footer pinned to the bottom using Flexbox.

A screenshot of a food website

AI-generated content may be incorrect.

**2. Recipes (recipes.html)**

* **Purpose**: Displays a collection of sustainable recipes with filtering options.
* **Features**:
  + Loads recipes dynamically from recipes.json.
  + Filter sidebar with categories (All, Vegan, Low-Waste, Seasonal) to sort recipes.
  + Recipe cards with images, titles, ingredients, steps, and sustainability scores.
  + Responsive grid layout adjusts to screen size.
* **Design**: Elegant card design with hover effects and a sleek filter sidebar.

A screenshot of a food website

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**3. Blog (blog.html)**

* **Purpose**: Allows users to view, create, edit, and delete blog posts.
* **Features**:
  + Loads blog posts from blogs.json and persists changes in localStorage.
  + CRUD functionality: Add new posts, edit existing ones, and delete posts.
  + "Read More" links redirect to detailed views (blog-details.html).
  + Responsive grid layout for blog posts.
* **Design**: Minimalist blog cards with interactive buttons for editing and deletion.

A screenshot of a website

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**4. Blog Details (blog-details.html)**

* **Purpose**: Displays the full content of a selected blog post.
* **Features**:
  + Retrieves blog details based on the ID passed via URL parameters.
  + Shows title, image, and full content.
  + "Back to Blog" button returns to blog.html.
* **Design**: Simple, readable layout with large image and centered content.

A screenshot of a computer

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**5. Sustainability Calculator (calculator.html)**

* **Purpose**: Helps users calculate their food sustainability score.
* **Features**:
  + Form with dropdowns and inputs to collect user data (e.g., food type, frequency).
  + Calculates and displays a sustainability score upon submission.
* **Design**: Compact, user-friendly form with a clean result display.

A screenshot of a computer

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**6. Contact Us (contact.html)**

* **Purpose**: Provides contact information and a messaging form.
* **Features**:
  + Displays personal contact details (name: Dương Quang Thắng, email, phone, address, social links).
  + Contact form submits data to the console and resets after submission.
* **Design**: Two-column layout with a professional form and social media links.

A screenshot of a computer

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**Key Highlights**

* **Responsive Design**: All pages adapt seamlessly to desktop and mobile devices using CSS Grid and Flexbox.
* **Interactivity**: Dynamic content loading (Recipes, Blogs) and user interactions (CRUD, filtering, calculator).
* **Aesthetic**: Modern UI with smooth transitions, hover effects, and a consistent color scheme (#2E7D32 for green, #FF5722 for orange accents).