Good Food Good Mood Documentation

Welcome to the documentation for **Good Food Good Mood**, a website built using the PERN stack. This documentation will guide you through the different components, features, and usage of the website. Good Food Good Mood is a platform designed to reduce food waste by connecting users with surplus food from local restaurants and stores at discounted prices.

Introduction:

Good Food Good Mood is a web application aimed at reducing food waste by providing a platform for users to purchase surplus food from local restaurants and stores at discounted prices. The platform connects users with participating establishments, allowing them to browse available food items, place orders, and collect their purchases directly from the restaurants or stores.

Technologies Used:

Good Food Good Mood is built using the PERN stack, which stands for:

- **PostgreSQL: A powerful, open-source relational database system.**
- **Express.js: A fast and minimalist web application framework for Node.js.**
- **React.js: A popular JavaScript library for building user interfaces.**
- **Node.js: A JavaScript runtime environment that allows running JavaScript on the server-side.**

Additionally, the following technologies and tools were used:

- **JSON Web Tokens (JWT): A standard for creating access tokens to authenticate clients.**
- **Bcrypt.js: A library for hashing and salting passwords.**
- **Axios: A promise-based HTTP client for the browser and Node.js.**
- **Bootstrap: A popular CSS framework for building responsive and mobile-first websites.**
- **i18next: A powerful internationalization framework for JavaScript applications.**

Features:

User Registration and Authentication

- **Users can create an account or sign in with their credentials.**
- **Passwords are securely hashed and stored in the database.**
- **Authentication is implemented using JWT (JSON Web Tokens).**
- **User authentication is required to access certain features of the website.**

Browsing Available Food / Restaurants

- **Users can browse through a list of available food items.**
- **Items are displayed with relevant details such as name, description, price, and discount.**
- **Search and filtering options are available to help users find specific restaurants.**

Placing Orders

- **Authenticated users can add a surprise bag to his cart and proceed to the checkout process.**
- **Users can select the quantity of each item they wish to purchase.**
- **Order summary, including the total cost, is displayed before finalizing the purchase.**

Order History

- **Authenticated users can view their order history.**

Restaurant Dashboard

- **Participating restaurants and stores have access to a dashboard.**
- **The dashboard allows restaurants to add and manage their available food items.**
- **Restaurants can update item details, and mark items as sold out.**
- **Restaurants can also view and manage incoming orders.**

Future Enhancements:

- **Integration with a payment gateway to enable online payments.**
- **Real-time notifications for order updates and new food listings.**
- **Ratings and reviews for restaurants and food items.**
- **User profiles with preferences and dietary restrictions.**
- **Improved search and filtering options for food items.**
- **Integration with mapping services for locating participating restaurants and stores.**

Database Schema

The database schema for Good Food Good Mood includes the following tables:

- **users: Stores user information (name, email, password, etc.).**
- **Services: Stores information about available food items (name, description, price, etc.).**
- **orders: Stores information about user orders (order details, status, pickup time, etc.).**
- **admin: : Stores admin information (name, email, password, etc.).**

For a detailed overview of the database.sql inside the repository, refer to the database schema.

Installation and Setup

To install and set up Good Food Good Mood locally, please follow these steps:

1. **Clone the repository from GitHub: git clone https://github.com/falmasri98/MyProjNew.**
2. **Navigate to the project directory**
3. **Install the server-side dependencies: npm install.**
4. **Navigate to the client directory: cd src.**
5. **Install the client-side dependencies: npm install.**
6. **Return to the project root: cd ...**
7. **Set up the PostgreSQL database.**
8. **Start the development server: npm start.**

Contributing

Contributions to Good Food Good Mood are welcome! If you find any issues or have ideas for enhancements, please open an issue on the GitHub repository and submit a pull request.