**Frontend Development with React.js**

**Project Documentation**

**Introduction**

**Project Title**: Cookbook

**Team Members**:

* Getcyal – Team Leader
* Meghana – Team Member
* Aishwarya – Team Member
* Darshini-Team member

**Project Overview**

**Purpose**:  
This project is a React.js frontend application built with Create React App. It provides a responsive interface with components such as Navbar, Hero, CategoriesHome, Newsletter, About, and Footer to deliver an interactive and user-friendly experience.

**Features**:

* Responsive navigation bar
* Hero section with images
* Categories display
* Newsletter subscription form
* About section for project info
* Footer with quick links and branding
* Routing with react-router-dom
* API integration via Axios

**Architecture**

**Component Structure**:

* **App.js**: Root component that integrates all features.
* **Navbar.jsx**: Provides navigation.
* **Hero.jsx**: Displays the hero section with banner images.
* **CategoriesHome.jsx**: Displays categories and items.
* **Newsletter.jsx**: Manages subscription form.
* **About.jsx**: Provides details about the application.
* **Footer.jsx**: Application footer with links and credits.

**State Management**:

* Local state managed with React Hooks (useState, useEffect).
* No global state manager implemented.

**Routing**:

* Implemented using react-router-dom for page navigation.

**Setup Instructions**

**Prerequisites**:

* Node.js
* npm

**Installation**:

1. Clone the repository
2. Navigate to the project directory
3. Run npm install to install dependencies
4. Run npm start to launch the application

**Folder Structure**

**Client**:

* src/components/ → Contains reusable UI components
* src/styles/ → Contains CSS files for styling components
* src/images/ → Stores static assets
* Core files: App.js, index.js, reportWebVitals.js

**Utilities**:

* **Axios**: API calls
* **React Router**: Page navigation
* **React Icons**: UI icons

**Running the Application**

Run the following command in the project directory:

npm start

**Component Documentation**

**Key Components**:

* **Navbar** – Application navigation
* **Hero** – Banner section with images
* **CategoriesHome** – Displays categories and listings
* **Newsletter** – Subscription form
* **About** – Information section
* **Footer** – Footer with links and credits

**Reusable Components**:

* Navbar
* Footer
* Newsletter

**State Management**

**Global State**: Not implemented.

**Local State**: Managed with React Hooks (useState, useEffect) inside components.

**User Interface**

The UI is built with a responsive layout, featuring a hero banner, categories section, subscription form, about page, and footer. Screenshots or demo links can be added once available.

**Styling**

**CSS Frameworks/Libraries**:

* Custom CSS modules located in src/styles/
* react-icons used for UI icons

**Theming**:

* Simple custom styling with potential for theming extensions in the future.

**Testing**

**Testing Strategy**:

* Unit and integration tests using Jest and React Testing Library (default with CRA).

**Code Coverage**:

* Jest test runner provides coverage reports.

**Screenshots or Demo**

(*Add screenshots of different pages or a hosted demo link here.*)

**Known Issues**

* No major issues documented yet.

**Future Enhancements**

* Add more pages and interactive features
* Integrate with APIs for dynamic data
* Enhance styling with animations and themes
* Improve responsiveness and accessibility