***1. INTRODUCTION***

* ***Project Title: Cookbook***
* ***Team Members: Divya Shree, Keerthana, Anumithra, Harini***

***2. PROJECT OVERVIEW***

* ***Purpose: The purpose of this project is to create a digital recipe book that allows users to browse and learn different Indian and international dishes.***
* ***Features: Displays different food recipes with attractive images.***

1. ***Provides ingredients for each dish.***
2. ***Search bar for quick recipe search.***
3. ***Responsive design with modern UI.***
4. ***Newsletter subscription option.***

***3. ARCHITECTURE***

* ***Component Structure: The project is divided into multiple React components:***

1. ***Navbar – Navigation and search bar.***
2. ***Header – Title and quote section.***
3. ***RecipeCard – Displays food images with ingredients.***
4. ***Newsletter – Subscription form.***
5. ***Footer – Links and copyright info.***

* ***State Management: Local state is used within components to handle user input (like search and newsletter subscription).***
* ***Routing: Not implemented, as it is a single-page UI.***

***4. SETUP INSTRUCTION***

* ***Prerequisites: Node.js, npm***
* ***Installation:***

***1. Clone the repository.***

***2. Run npm install to install dependencies.***

***3. Run npm start to launch the project locally.***

***5. FOLDER STRUCTURE***

* ***Client: /src/components → Navbar, Header, RecipeCard, Newsletter, Footer***
* ***/src/assets → Food images***
* ***/src/App.js → Main application file***
* ***Utilities: Basic helper functions for handling search input and form submissions.***

***6. RUNNING THE APPLICATION***

* ***Run the following command inside the client folder:***

***npm start***

***The project will start at: http://localhost:3000/***

***7. COMPONENT DOCUMENTATION***

* ***Key Components:***

1. ***Navbar – Displays app title, navigation menu, and search bar.***
2. ***Header – Shows project name and food-related quote.***
3. ***RecipeCard – Each card shows food image + ingredients.***
4. ***Newsletter – Collects email addresses for subscription.***
5. ***Footer – Contains categories and links.***

* ***Reusable Components: RecipeCard can be reused for different recipes.***

***8. STATE MANAGEMENT***

* ***Global State: Not required for this project.***
* ***Local State: Used in:***
* ***Search bar***
* ***Newsletter input form***

***9. USER INTERFACE***

* ***Screenshots/GIFs show food cards with images, newsletter section, and footer navigation.***

***10. STYLING***

* ***CSS Frameworks/Libraries: Pure CSS used (no external libraries).***
* ***Theming: Custom colors (green, white, cream) to give a food-friendly theme.***

***11. TESTING***

* ***Testing Strategy: Manual testing for UI rendering and responsiveness.***

***Checked in browsers (Chrome, Edge).***

* ***Code Coverage: No automated tools, simple visual testing.***

***12. SCREENSHOTS OR DEMO***

* ***Screenshots of the homepage with recipe cards and newsletter subscription.***

***13. KNOWN ISSUES***

* ***No backend support (newsletter not connected to server).***
* ***Limited recipes displayed (static content)***

***14. FUTURE ENHANCEMENTS***

* ***Add more recipes with detailed preparation steps.***
* ***Integrate user login/signup for personalization.***
* ***Add animations and filters for searching by cuisine/category.***
* ***Connect newsletter to backend service (e.g., Firebase).***