

# Project Documentation

Project Title

## 1. Introduction

- **Project Title:** CookBook : your virtual kitchen assistant
- **Team ID** NM2025TMID37760
- **Team Leader:** swetha.r.s.2418@gmail.com
- **Team Members:**
  - R.S. Swetha
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## 2. Project Overview

- **Purpose:** CookBook is a virtual kitchen assistant that helps users explore recipes, browse categories, and manage cooking ideas in an interactive and user-friendly way.
- **Features:**
  - Homepage with hero section
  - Recipe details page
  - Category-based recipe browsing
  - About section
  - Newsletter subscription
  - Responsive navigation bar and footer

## 3. Architecture

- **Frontend:** React.js with CSS modules
- **Backend:** Node.js with npm start
- **Database:** None

## 4. Setup Instructions

- **Prerequisites:**

- Node.js
- Npm
- Visual Studio Code

- **Installation Steps:**

# Clone the repository `git clone <repositoryurl>`

`Cd code`

# install dependencies `npm install`

# Run the application `npm start`

## 5. Folder Structure

`Code/`

`|-- package.json`

`|-- README.md`

`|-- src/`

`|-- App.js`

`|-- index.js`

`|-- pages/`

`|-- Home.jsx`

`|-- Category.jsx`

`|-- Recipe.jsx`

`|-- components/`

`|-- Navbar.jsx`

`|-- Hero.jsx`

`|-- Footer.jsx`

`|-- CategoriesHome.jsx`

`|-- About.jsx`

`|-- NewsLetter.jsx`

`|-- styles/*.css`

`|-- images/`

`|-- hero-img1.png`

|-- hero-img2.png

|-- hero-img3.png

|-- hero-img4.png

Public/

|-- index.html

|-- favicon.ico

|-- manifest.json

## 6. Running the Application

- Run the following command inside the project folder: npm start
- Access: Visit <http://localhost:3000>

## 7. API Documentation

This is a frontend-only project and does not include API endpoints.

## 8. Authentication

No authentication system is implemented in this project.

## 9. User Interface

- Landing Page with hero image
  - Recipe Page to display cooking instructions
  - Categories Page for browsing
  - About Page
  - Newsletter subscription
- Navigation bar and Footer for navigation

## 10. Testing

- Basic testing with React Testing Library.
- Manual testing performed using browser.

## 11. Screenshot

<http://localhost:3000/>

## 12. Known Issues

Currently no major issues reported. Minor CSS alignment issues may occur on small devices.

## **13.Future Enhancements**

- Add user authentication and profile management
- Implement backend with database for recipe storage
- Add search functionality for recipes
- Enable users to submit their own recipes