Project Documentation

Cook Book - Your Virtual Kitchen Assistant

1.Introduction:

* Project Title : Cook Book-Your Virtual Kitchen Assistant
* Team ID : NM2025TMID40038
* Team leader : AARTHEE.C
* [E-mail : [sac2427bca5245@ssacollegechennai.com](mailto:sac2427bca5245@ssacollegechennai.com)]

Team Members:

* AMALA.J
* [E-mail : sac2427bca5698@ssacollegechennai.com]
* ANISH MALIKA.A
* [E-mail: anishmalika20@gmail.com]
* ASMA BEGUM.I
* [E-mail : [sac2427bca5212@ssacollegehennai.com](mailto:sac2427bca5212@ssacollegehennai.com)]

2.Project Overview:

Purpose:To provide an easy-to-use digital cooking guide with step-by-step recipes and tutorials.

Features:

* Search recipes from the collection
* Subscribe to the page for updates
* Detailed ingredients&step-by-step procedure
* Vedio tutorials for recipes
* Direct navigation to the home page

3.Architecture:

* Frontend:React.js with CSS or styling
* Backend:Node.js + Express.js(optional,if subscription and feature implemented)
* Database:Mongo(optinal,for storing subscriptions and recipe data)
* Authentication:optional(if user login is added)

4.Setup Instructions:

* Install Node.js
* Install npm packages using ‘npm install’
* Run frontend using’npm start’
* Use Visual Studio Code for development

5.Folder Structure:

CookBook/

* |--public/ #Static assets(index.html,icons)
* |--src/ #Source code
* | \_\_components/ # Reusable UI components
* |\_\_pages/ #Application pages
* |\_\_Styles/ #CSS styles
* |\_\_App.js #Main React App
* |\_\_Index.js #Entry point
* |--Package.json #Project Dependencies
* |--README.md

6.Running the Application:

* npm start(Run fronted)
* Access application at <http://localhost3000>

7.API Docmentation:

* GET/api/recipes->Fetch all recipes
* GET/api/recipes->Fetch single recipe with ingredients&procedure
* GET/api/videos/:id->Fetch vedio tutorial link
* POST/api/subscribe user to page updates
* GET/api/home->Direct navigation to home page

8.Autentication:

Currently optional.can be implemented if login/subscription requires secure access

9.User Interface:

* Landing page with recipe search
* Recipe page with ingredients and procedure
* Vedio tutorial page
* Home page for direct navigation
* Subscribe section

10.Testing:

* Manual testing of recipe search,subscription,and vedio tutorial access
* Tools:Chrome DevTools,Postman(if APIs implemented)

11.Demo vedio link:

https://drive.google.com/file/d/1qYupIWtGvA6C\_vDsFk9\_XtxGEQ4ps2c8/view?usp=drive\_link

12.Known Issues:

* Limited number of recipes in the initial version
* Requires internet connection for vedio tutorials

13.Future Enhancements:

* Add user accounts with personalized recipe collections
* AI-based recipe recommendations
* Voice-enabled cooking assistant
* Offline mode for saved recipes and vedios