

COOKBOOK:YOUR VIRTUAL KITCHEN ASSISTANT

Project Title: COOKBOOK:YOUR VIRTUAL KITCHEN ASSISTANT

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Store Manager: Keep Track of Inventory .

Here are some key features and a description of an inventory management system:

Inventory Management: Inventory Management helps maintain healthy stock levels in a store and acquire them in time.

Stock Updates: Stock will automatically update on sale of products, and it can be updated on adding new stock.

Cart: Products can be added to cart for a particular sale and quantity can be added to each product.

Checkout at Cart: Upon checkout, cart is cleared, inventory is updated, and a sale record is made.

Adding New Products to Inventory: New products can be added to the inventory by providing product name, image URL, price, stock, tags.

Alert View for Depleting Stock: Depleting stocks are shown in red background, and alert count can be updated as per requirement.

Search Functionality for Products: Products in inventory and product catalog can be searched.

Sale Records: All sale records are stored with sale value, products and datetime.

Project Objective

The primary goal of CookBook is to provide a user-friendly platform that caters to individuals passionate about cooking, baking, and exploring new culinary horizons. Our objectives include:

- **User-Friendly Experience:** Create an interface that is easy to navigate, ensuring users can effortlessly discover, save, and share their favourite recipes.
- **Comprehensive Recipe Management:** Offer robust features for organizing and managing recipes, including advanced search options.
- **Technology Stack:** Leverage modern web development technologies, including React.js, to ensure an efficient, and enjoyable user experience.

PRE-REQUISITES

Here are the key prerequisites for developing a frontend application using React.js:

- **Node.js and npm:**

Node.js is a powerful JavaScript runtime environment that allows you to run JavaScript code on the local environment. It provides a scalable and efficient platform for building network applications.

Install Node.js and npm on your development machine, as they are required to run JavaScript on the server-side.

- Download: <https://nodejs.org/en/download/>
- Installation instructions: <https://nodejs.org/en/download/package-manager/>

- **React.js:**

React.js is a popular JavaScript library for building user interfaces. It enables developers to create interactive and reusable UI components, making it easier to build dynamic and responsive web applications.

Install React.js, a JavaScript library for building user interfaces.

- Create a new React app:

```
npx create-react-app my-react-app
```

Replace my-react-app with your preferred project name.

- Navigate to the project directory:

```
cd my-react-app
```

- Running the React App:

With the React app created, you can now start the development server and see your React application in action.

- Start the development server:

```
npm start
```

This command launches the development server, and you can access your React app at <http://localhost:3000> in your web browser.

- **HTML, CSS, and JavaScript:** Basic knowledge of HTML for creating the structure of your app, CSS for styling, and JavaScript for client-side interactivity is essential.

- **Version Control:** Use Git for version control, enabling collaboration and tracking changes throughout the development process. Platforms like GitHub or Bitbucket can host your repository.
- Git: Download and installation instructions can be found at: <https://git-scm.com/downloads>

- **Development Environment:** Choose a code editor or Integrated Development Environment (IDE) that suits your preferences, such as Visual Studio Code, Sublime Text, or WebStorm.

- Visual Studio Code: Download from <https://code.visualstudio.com/download>

- Sublime Text: Download from <https://www.sublimetext.com/download>

- WebStorm: Download from <https://www.jetbrains.com/webstorm/download>

To get the Application project from drive:

Follow below steps:

Install Dependencies:

- Navigate into the cloned repository directory and install libraries:

```
cd fitness-app-react
```

```
npm install
```

- **Start the Development Server:**

- To start the development server, execute the following command:

```
npm start
```

Access the App:

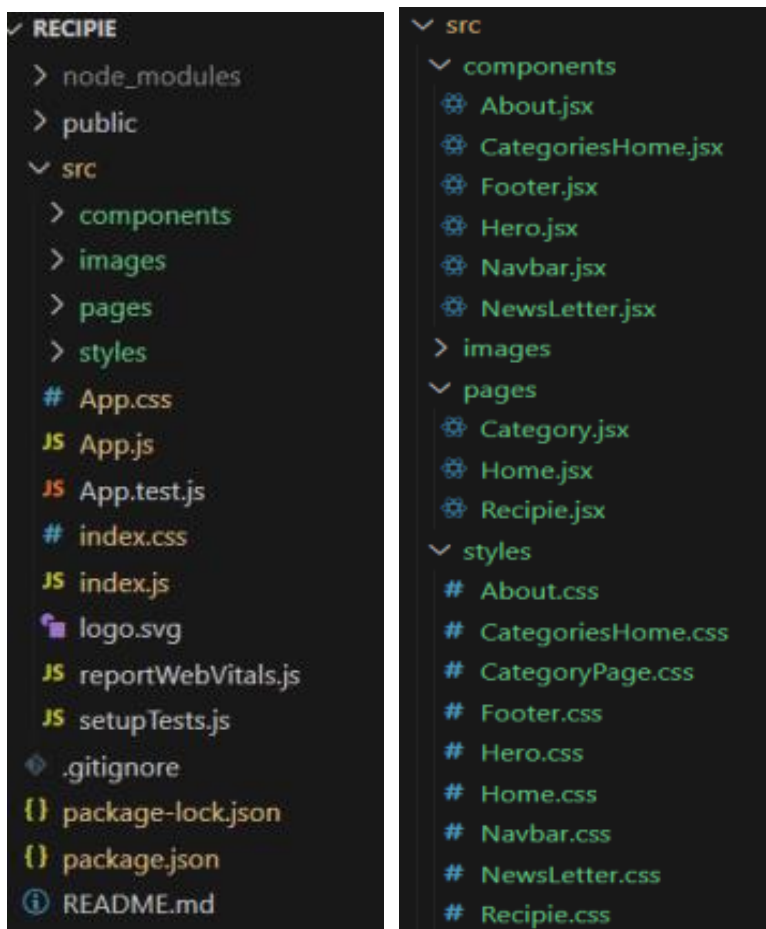
- Open your web browser and navigate to <http://localhost:3000>.
- You should see the application's homepage, indicating that the installation and setup were successful.

You have successfully installed and set up the application on your local machine. You can now proceed with further customization, development, and testing as needed.

Project structure

The image is of the folder structure which shows all the files and folders that have been used in project development

project structure



In this project, we've split the files into 3 major folders, *Components*, *Pages* and *Styles*. In the pages folder, we store the files that acts as pages at different url's in the application. The components folder stores all the files, that returns the small components in the application. All the styling css files will be stored in the styles folder.

Project Flow

Project demo:

Before starting to work on this project, let's see the demo.

Demo link:

<https://drive.google.com/file/d/1wjXooXeMVWuVWJZPnlSTLUObU3fekCAc/view?usp=sharing>

Use the code in:

https://drive.google.com/drive/folders/1u8PnV_mE0mwKkH_CvuNpliZtRLJZMqrO?usp=sharing

Project setup and configuration

Duration: 2 Hrs

Skill Tags:

-
- **1. Install required tools and software:**
 - **Installation of required tools:**
 2. Open the project folder to install necessary tools
In this project, we use:
 - React Js
 - React Router Dom
 - React Icons
 - Bootstrap/tailwind css
 - Axios
- For further reference, use the following resources
 - <https://react.dev/learn/installation>
 - <https://react-bootstrap-v4.netlify.app/getting-started/introduction/>
 - <https://axios-http.com/docs/intro>
 - <https://reactrouter.com/en/main/start/tutorial>

Project Development

Duration: 8 Hrs

Skill Tags:

- **1. Setup React Application:**
 - Create React application.
 - Configure Routing.
 - Install required libraries.
- Setting Up Routes:-


```

code > node_modules > bin > > autoprefixer.ps1
1 #!/usr/bin/env push
2 $basedir=Split-Path $MyInvocation.MyCommand.Definition -Parent
3
4 $exe=""
5 if ($PSVersionTable.PSVersion -lt "6.0" -or $IsWindows) {
6     # fix case when both the Windows and Linux builds of Node
7     # are installed in the same directory
8     $exe=".exe"
9 }
10 $ret=0
11 if (Test-Path "$basedir/node$exe") {
12     # Support pipeline input
13     if ($MyInvocation.ExpectingInput) {
14         | $input | & "$basedir/node$exe" "$basedir/../autoprefixer/bin/autoprefixer" $args
15     } else {
16         & "$basedir/node$exe" "$basedir/../autoprefixer/bin/autoprefixer" $args
17     }
18     $ret=$LASTEXITCODE
19 } else {
20     # Support pipeline input
21     if ($MyInvocation.ExpectingInput) {
22         | $input | & "node$exe" "$basedir/../autoprefixer/bin/autoprefixer" $args
23     } else {
24         & "node$exe" "$basedir/../autoprefixer/bin/autoprefixer" $args
25     }
26     $ret=$LASTEXITCODE
27 }
28 exit $ret
29

```

Project Implementation & Execution

Duration : 1 Hrs

Skill Tags:

- After completing the code, run the react application by using the command “npm start” or “npm run dev” if you are using vite.js
- And the Open new Terminal type this command “json-server --watch ./db/db.json” to start the json server too.
After that launch the Rythimic Tunes.

Here are some of the screenshots of the application.

Hero components

Category: *Chicken*

[Chicken](#) [Vegetarian](#) [Starter*](#) [Seafood](#) [Dessert](#)



15-minute chicken & halloumi burgers



Ayam Percik



Brown Stew Chicken



Chick-Fill-A Sandwich



Lamb

[View All Recipes](#)



Miscellaneous

[View All Recipes](#)



Pasta

[View All Recipes](#)



Pork

[View All Recipes](#)



Seafood

[View All Recipes](#)



Side

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Lamb Rogan josh



Matar Paneer



Nutty Chicken Curry



Baingan Bharta



Lamb Biryani

