

Welcome to our food recipe blog!

Our goal is to provide our readers with a diverse collection of tasty and easy-to-follow recipes that cater to a variety of dietary preferences and needs. Whether you're a seasoned chef looking to try out new dishes or a beginner cook looking for simple meals to prepare, we've got something for everyone.

Our objectives for this blog are:

- To inspire home cooks to try out new recipes and techniques in the kitchen. To provide practical tips and tricks for making the cooking process easier and more enjoyable.
- To showcase the diversity of flavours and cuisines from around the world. To offer a range of options for different dietary needs, including vegetarian, vegan, gluten-free, and more.
- To create a community of home cooks who can share their own recipes and culinary experiences with each other.
- We hope you find our blog to be a helpful and enjoyable resource for all your cooking needs. Happy cooking!

File Structure:

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- 1. **public** directory: This directory contains the static assets of the web application, such as images, stylesheets, and JavaScript files.
- 2. **MongoDB Data** directory: This directory contains MongoDB data and images.
- 3. **Server** directory: This directory contains the server-side logic of the website, including the routes, controllers, and models for the recipe pages and user accounts.
- 4. **Views** directory: The views directory contains the templates and layout files for the user interface (UI) of the application. These files are responsible for defining the structure and appearance of the UI.
- 5. The **package.json** file contains metadata and configuration information for the project. It is used by the package manager to manage the project dependencies, scripts, and versioning.
- 6. The **app.js** file is a JavaScript file that serves as the entry point of a web application. It is used to configure and set up the application, and to define the routes and middleware that handle incoming requests and responses.

Functional requirements:

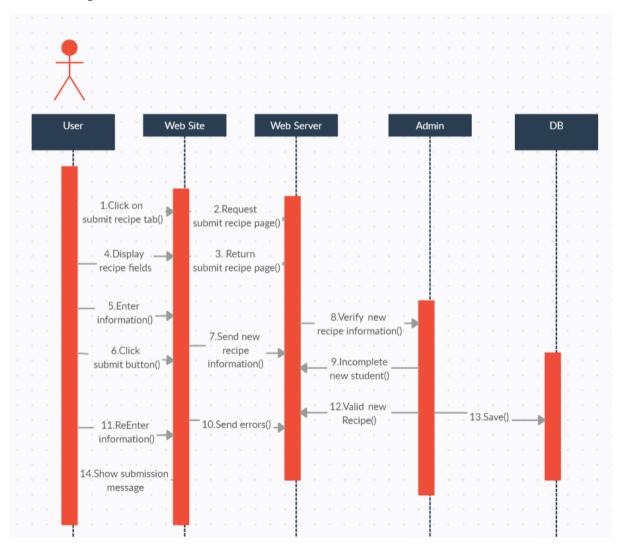
- 1. Ability to browse and search for recipes by category, cuisine, ingredient.
- 2. Ability to view detailed recipe instructions, including ingredients, cooking time, and serving size.
- 3. Ability to save favourite recipes for easy access later.
- 4. Ability to print or email a recipe for offline use.
- 5. Ability to submit new recipes to the website for review and potential publication.
- 6. Ability to browse a random recipe.

Non-functional requirements:

- 1. The website should be visually appealing and easy to navigate.
- 2. The website should be responsive and accessible on different devices and screen sizes.
- 3. The website should load quickly and have minimal downtime.
- 4. The website should have secure authentication and user data protection measures in place.
- 5. The website should have sufficient storage capacity to handle the volume of recipe submissions and user data.
- 6. The website should have a fast and efficient search function.
- 7. The website should have an easy-to-use recipe submission and review process.

Sequence Diagrams:

Submit request:



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