Recipe Finder website

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Introduction:

Recipe Finder is a web application designed to help users discover, save, and share recipes. With an intuitive interface and robust features, Recipe Finder aims to provide users with a seamless experience in exploring and managing their favourite recipes.

Key Features:

- **1. Recipe Database**: Recipe Finder boasts a comprehensive database of recipes spanning various cuisines, meal types, and dietary preferences.
- **2. User Authentication**: Users can create accounts, log in, and securely manage their profiles. Authentication ensures data security and personalization.
- **3. Recipe Search**: Users can search for recipes based on keywords, ingredients, categories, and more. Advanced search filters enable precise recipe discovery.
- **4. Recipe Details**: Each recipe includes detailed information such as ingredients, preparation instructions, cooking time, servings, and nutritional facts.

5. User Interaction:

- Comments: Users can engage with recipes by leaving comments, sharing tips, and asking questions.
- Favourites: Users can mark recipes as favourites for quick access and future reference.
- Rating: Users can rate recipes based on their experience, providing valuable feedback to the community.
- History: Users can view their recipe browsing history to revisit previously viewed recipes.

6. User-generated Content:

- Recipe Collections: Users can create personalized recipe collections to organize and categorize their favorite recipes.
- Notes: Users can create and attach notes to recipes, enabling personalization and customization.

7. Social Features:

- Sharing: Users can share recipes via social media platforms, email, or direct links, extending the reach of the application.
- Following: Users can follow other users to stay updated on their activity, such as recipe uploads, comments, and collections.

Technology Stack:

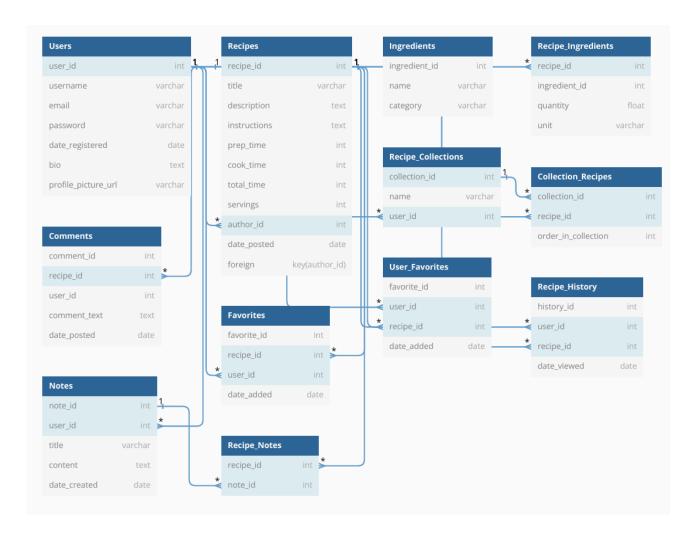
- Frontend: HTML, CSS, JavaScript, React.js (or other frontend frameworks)
- Back end: Node.js, Express.js, MongoDB (or other databases)
- Authentication: JSON Web Tokens (JWT)
- API Integration: External APIs for recipe data (optional)

- Deployment: Cloud hosting platforms like AWS, Heroku, or Vercel

Future Enhancements:

- **1**. Recommendation Engine: Implement machine learning algorithms to provide personalized recipe recommendations based on user preferences and browsing history.
- **2**. Recipe Sharing Community: Foster a vibrant community by facilitating user interactions, recipe sharing, and collaborative cooking experiences.
- **3**. Enhanced User Profiles: Expand user profiles to include additional features such as user-generated content statistics, badges, and achievements.
- **4**. Mobile Application: Develop a mobile application version of Recipe Finder to cater to users on the go, offering seamless access to recipes anytime, anywhere.

DATABASE SCHEMA (ER Diagram):



Conclusion:

Recipe Finder aims to revolutionize the way users discover, save, and share recipes online. With its user-friendly interface, extensive feature set, and commitment to continuous improvement, Recipe Finder is poised to become a go-to destination for food enthusiasts worldwide.