**Smart Recipe Hub – USER GUIDE**

* ***Project Overview***

Smart Recipe Hub is a full-stack web application that helps users find, organize, and manage recipes efficiently. The app supports user authentication, recipe image uploads, and dynamic recipe display through a responsive user interface. It provides a seamless user experience for food enthusiasts and home cooks.

**Tech Stack Used**:

* **Frontend**: React + Vite, React Bootstrap, Clerk (Authentication), lucide-react, react-markdown, axios
* **Backend**: Node.js, Express, MongoDB, Mongoose, Multer
* **AI**-**Services:-** Google Gemini API
* **Cloud Services**: Google Cloud Storage, Generative AI (Vertex AI)
* **Deployment:** Vercel

**Target Audience**: Home cooks, food bloggers, culinary professionals, and tech-savvy foodies.

**🍳 Smart Recipe Hub – User Guide**

Welcome to **Smart Recipe Hub**, your all-in-one space to share, store, and improve your recipes with help from AI.

**🚀 Getting Started**

* **Sign Up / Log In**  
  Use your email to create an account or log in securely. We use a trusted login system to keep your data safe.
* **Navigation**  
  After logging in, use the menu bar to move between pages like:
  + **Home** – View user posts
  + **Add Recipes** – Upload your own recipe
  + **AI Recommendations** – Generate trending recipes using AI
  + **Profile** – View your userID and uploaded recipes

**🌟 What You Can Do**

* **Upload Recipes**  
  Share your favourite dishes! Add:
  + Recipe name
  + Description and steps
  + Ingredients
  + An image (optional but recommended)
* **Like and Comments**

After user upload their recipes, you can check other users comments and likes.

Also, you can like and comment on other users recipes

* **Mobile Friendly**  
  You can use Smart Recipe Hub comfortably from your phone, tablet, or computer.

**⏱ Tips & Shortcuts**

* **Quick Upload**: Go straight to the homepage to start adding a recipe.
* **Image Tip**: Clear food photos make your recipes stand out!
* **AI Magic**: Want ideas to improve your dish? Just hit upload and scroll down for suggestions.

**❓ Frequently Asked Questions**

**Q: Why can't I upload my recipe?**  
A: Make sure you're logged in and that your image is in JPG or PNG format. Also, check your internet connection.

**Q: My AI feedback isn't showing up. What do I do?**  
A: Refresh the page after submitting. If it still doesn’t show, wait a few seconds and try again.

**Q: Can I use this on my phone?**  
A: Yes! The site is designed to work great on mobile devices.

**Q: Will my recipes be saved?**  
A: Yes, everything you upload is saved to your account. You can access it anytime.

**📩 Need Help?**

If you run into issues or have feedback, reach out to us from the contact form on the website (if available), or send an email to our support team (details usually found in the footer).