



DEMO



REPO

Food Seer

Food choices can get overwhelming fast. Especially when you're hungry, tired, and the menu starts to look like a 50-page novel. Food Seer takes the stress out of deciding what to eat by turning meal selection into a natural, conversational experience. Users can answer a quick, friendly quiz or chat with our Ollama-powered assistant to get a tailored recommendation based on their budget and preferences. No scrolling through endless dishes. No second-guessing. Just a short interaction and a meal suggestion that fits the moment.



Powered by:



Implemented Milestones

- Back-end:** Implemented systems for inventory management, user management, user preferences, order management, account creation, and session handling.
- Front-end:** Designed a clean, intuitive UI with tab-based navigation, allowing users to switch between ordering, recommendations, and account features seamlessly and place orders without friction.
- Quiz system:** Developed a guided quiz flow to generate meal recommendations based on user input.
- AI chat-bot:** Expanded the quiz system by integrating an Ollama-powered chat interface, enabling conversational meal recommendations.
- Testing:** We have automated front-end and back-end unit and integration tests with over 85% coverage.

Future Milestones

- Chat-bot history:** Enable the AI to retain user history and previous recommendations, allowing truly personalized suggestions over time.
- Recommendation Feedback:** Add a rating and review system so users can provide feedback on recommendations.
- Analytics Dashboard:** Build reporting and insights on customer choices and ordering trends to support smarter business decisions.
- Chat-bot:** Add speech-to-text and text-to-speech support so users can talk to the chat-bot like a real waiter and receive meal recommendations.

The screenshot shows the FoodSeer web application's main interface. At the top, there's a navigation bar with links for Home, AI Assistant, Quick Quiz, Browse Foods, Create Order, My Orders, and Logout. Below that is a user profile section with 'username' and 'CUSTOMER' dropdowns, and a 'Logout' button. The main content area is titled 'FoodSeer Recommendations'. It starts with a 'Welcome, username!' message. Underneath, there are sections for 'Budget: budget' and 'Dietary Restrictions: MILK, EGGS'. A 'Update Preferences' button is available. The central part of the screen displays 'Your Personalized Recommendations' with four cards: COFFEE (Price: \$3), TEA (Price: \$2), BAGEL (Price: \$4), and BANANA (Price: \$1). Each card has a small icon of a fork and knife.

The screenshot shows the FoodSeer AI Assistant interface. At the top, it says 'Food Recommendation Quiz' and 'Answer 5 quick questions to find your perfect meal! Question 1 of 5'. Below that are four input fields: 'What type of food are you looking for?' with options 'Beverage' and 'Sweet/Dessert'; 'Savory/Meal' and 'Snack'. Further down are filters for 'Budget: No Limit' and 'Available options: 31 safe foods in stock'. The main area is titled 'FoodSeer AI Assistant' with the sub-instruction 'Let me help you find the perfect meal for your day!'. It features a friendly AI assistant icon and a text input field with the placeholder 'Hi! I'm your FoodSeer assistant. How are you feeling today? (e.g., tired, energetic, stressed, happy)'. At the bottom right is a 'Send' button.

Forum



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