



**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.



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## 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 80% 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 Recommendations page. At the top, there's a header with links for Home, AI Assistant, Quick Quiz, Browse Foods, Create Order, My Orders, and Logout. Below that is a "FoodSeer Recommendations" section with a welcome message "Welcome, username!". It includes filters for Budget (set to budget) and Dietary Restrictions (set to MILK, EGGS). There's a "Update Preferences" button. The main area displays "Your Personalized Recommendations" with four items: COFFEE (Price: \$3), TEA (Price: \$2), BAGEL (Price: \$4), and BANANA (Price: \$1). Each item has a small icon of a fork and knife.

The screenshot shows two side-by-side interfaces. On the left is the "Food Recommendation Quiz" with fields for "What type of food are you looking for?" (Beverage, Sweet/Dessert, Savory/Meal, Snack) and "Budget: No Limit". On the right is the "FoodSeer AI Assistant" with a message from the AI: "Hi! I'm your FoodSeer assistant. How are you feeling today? (e.g., tired, energetic, stressed, happy)". There's a text input field "Type your answer here..." and a "Send" button.

**Forum**



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