

MiseAI

Mobile AI Assistant for Chefs

A Progressive Web App for digitizing, editing, and sharing recipes, kitchen events, and inventory—optimized for chef workflow





Vision & Problem Statement



Vision

Empower chefs with a smart, mobile-first AI assistant to streamline kitchen workflows.



Problem Statement

- 🍴 Traditional kitchen management is inefficient—recipes are scattered across physical media
- 📅 Schedules and events are managed manually with limited visibility
- 📦 Inventory tracking is cumbersome and error-prone
- 🔗 Sharing culinary knowledge between teams is difficult

MiseAI addresses these challenges with digital innovation.





Key Features: Recipe Digitization



Transforming Paper to Digital



Upload & AI Extraction

- ✓ Upload recipes via image or PDF format
- ✓ OCR technology recognizes printed text
- ✓ AI extracts ingredients, quantities, steps



Flexible Export

- ✓ Export to CSV for spreadsheet analysis
- ✓ One-click sharing with kitchen staff
- ✓ Print-friendly formatting



Manual Editing

- ✓ Intuitive recipe editor with rich formatting
- ✓ Add personal notes and modifications
- ✓ Scale quantities automatically



Chef-Optimized Workflow

- ✓ Fast, mobile-friendly interface
- ✓ Works offline in busy kitchens
- ✓ Tag system for easy recipe organization





Key Features: Kitchen Calendar & Events



Centralized Kitchen Calendar

- ✓ Single unified view of all kitchen shifts, events, and special dates
- ✓ Custom color-coding for different event types and priorities
- ✓ Mobile access for on-the-go planning and scheduling



Special Needs Management

- 👤 Track and highlight guest allergies with prominent visibility
- ★ VIP guest flagging with special preparation notes
- 🍰 Special occasions management with automated reminders



Team Coordination

- 🔔 Real-time notifications for schedule changes and updates
- 🔄 Synchronized view across all staff devices
- 📋 Staff accountability with task confirmation





Key Features: Inventory Management



Live Inventory Tracking

Real-time monitoring of kitchen ingredients and supplies with the integrated demo system



Reduce Waste & Costs

- ✓ Identify expiring ingredients before they go to waste
- ✓ Track usage patterns to optimize purchasing



Avoid Shortages

- ✓ Automatic alerts when supplies run low
- ✓ Streamlined ordering process with supplier integration



Mobile Access

Check inventory levels from anywhere, enabling kitchen staff to make informed decisions on the go





Technical Architecture



Frontend



React with Vite

Fast Builds



Material UI (MUI)

Dark Theme



Responsive, touch-optimized UI



Backend



FastAPI

High Performance



Secure authentication & data storage



Scalable architecture for growth



AI Integration



Tesseract

OCR



Ollama

LLM



Custom recipe extraction pipeline



PWA Capabilities



Offline functionality



Installable on any device






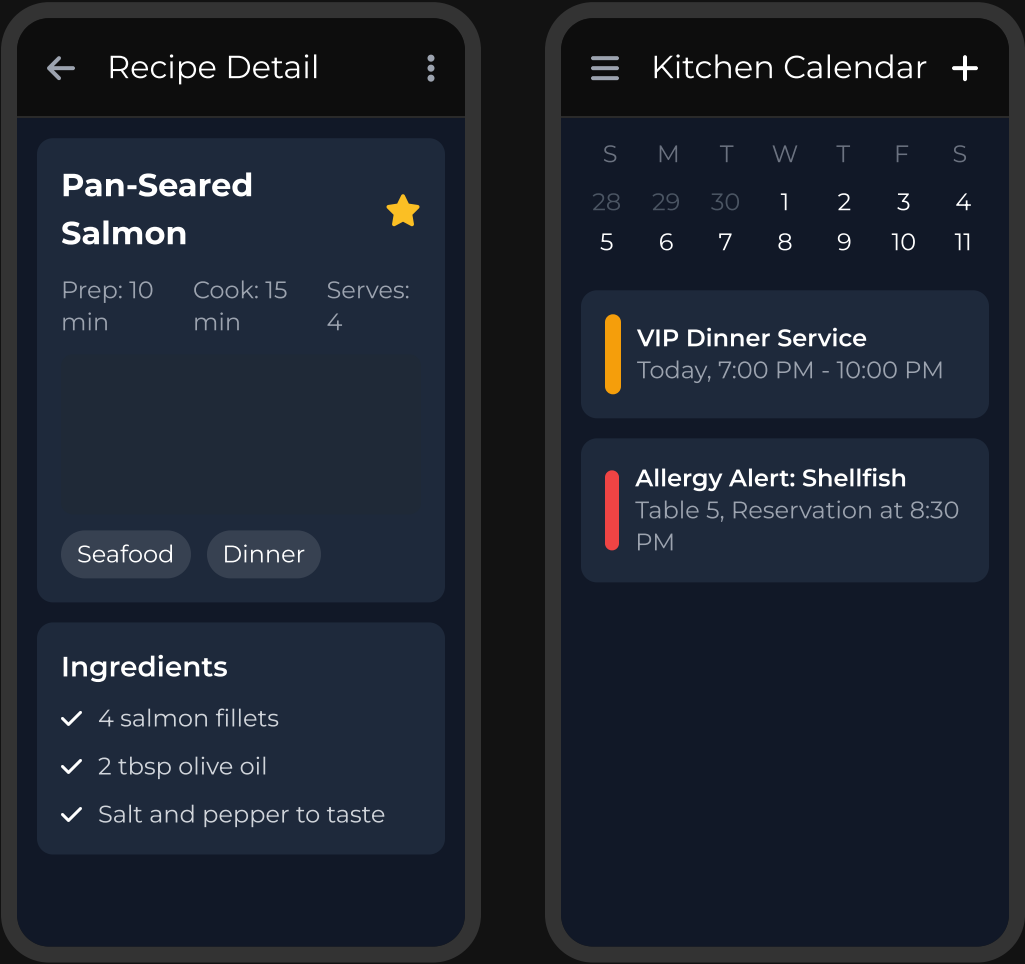
Background syncing



Modern Dark UI Showcase

Experience a sleek, chef-friendly interface—optimized for readability, focus, and quick touch interactions.

- **Reduced Eye Strain**
Dark theme reduces eye strain during long kitchen shifts
- **Touch-Optimized**
Large touch targets for busy kitchen environments
- **Professional Design**
Inspired by GitHub and Figma dark themes for modern appeal
- **Quick Interactions**
Optimized workflow with minimal taps required





Current Status, Roadmap & Next Steps






Current Status

 MVP is live and running






Roadmap

Short Term

-  Advanced UI polish and refinements
-  Extended inventory features
-  Deeper AI-driven insights

Medium Term

-  Integration with more culinary tools
-  Expanded sharing & collaboration features
-  User feedback implementation loop



Next Steps

We're actively seeking:



Feedback



Partnerships



Pilot Users

