

TODO - Recipe Slot App Roadmap

Future enhancements and feature requests for the Recipe Slot App

High Priority (Next Release)

AI & Machine Learning

- [] **AI Recipe Generation:** Create custom recipes based on user preferences and available ingredients
- [] **Smart Recommendations:** Machine learning-powered recipe suggestions based on user behavior
- [] **Ingredient Substitution AI:** Intelligent ingredient replacement suggestions
- [] **Cooking Difficulty Prediction:** AI-powered difficulty assessment for recipes

Shopping & Grocery Integration

- [] **Grocery List Generation:** Automatic shopping lists from selected recipes
- [] **Store Integration:** Connect with major grocery store APIs (Instacart, Amazon Fresh)
- [] **Price Comparison:** Compare ingredient prices across different stores
- [] **Inventory Tracking:** Smart pantry management with expiration date tracking

Enhanced Mobile Experience

- [] **Offline Recipe Storage:** Download recipes for offline cooking
 - [] **Voice Commands:** "Hey Recipe App, find me a pasta recipe"
 - [] **Camera Integration:** Scan ingredients to add them to your pantry
 - [] **Barcode Scanner:** Quick ingredient addition via barcode scanning
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Medium Priority (Future Releases)

Social Features

- [] **Recipe Sharing:** Share favorite recipes with friends and family
- [] **Cooking Communities:** Join groups based on dietary preferences or cuisines
- [] **Recipe Reviews:** Rate and review recipes from other users
- [] **Cooking Challenges:** Weekly cooking challenges and competitions
- [] **Follow Chefs:** Follow favorite home cooks and professional chefs

Multimedia Integration

- [] **Video Tutorials:** Integrate cooking videos for complex recipes
- [] **Step-by-Step Photos:** Visual guides for each cooking step
- [] **Live Cooking Sessions:** Stream cooking sessions with other users
- [] **Recipe Podcasts:** Audio-only cooking instructions for hands-free cooking

Analytics & Insights

- [] **Cooking Analytics:** Track cooking frequency, favorite cuisines, and dietary trends
- [] **Nutritional Dashboard:** Comprehensive nutrition tracking over time

- ☐ **Cost Analysis:** Track spending on ingredients and meals
- ☐ **Cooking Skill Progression:** Gamified skill development tracking

Localization & Accessibility

- ☐ **Multi-Language Support:** Spanish, French, German, Italian, Chinese, Japanese
 - ☐ **Regional Cuisine Focus:** Localized recipe recommendations
 - ☐ **Accessibility Enhancements:**
 - Enhanced screen reader support
 - High contrast themes
 - Large text options
 - Voice navigation
 - ☐ **Cultural Dietary Preferences:** Halal, Kosher, and other cultural dietary needs
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Technical Improvements

✂ Performance Optimization

- ☐ **Advanced Caching:** Implement Redis for better API response caching
- ☐ **Image Optimization:** WebP format support and progressive loading
- ☐ **Database Optimization:** Query optimization and indexing improvements
- ☐ **Bundle Size Reduction:** Code splitting and lazy loading enhancements

Security & Privacy

- ☐ **End-to-End Encryption:** Encrypt user data and preferences
- ☐ **Privacy Dashboard:** User control over data collection and usage
- ☐ **GDPR Compliance:** Full European privacy regulation compliance
- ☐ **Two-Factor Authentication:** Enhanced account security

Developer Experience

- ☐ **API Documentation:** Comprehensive API docs for third-party integrations
 - ☐ **Plugin System:** Allow third-party developers to create extensions
 - ☐ **Webhook Support:** Real-time notifications for recipe updates
 - ☐ **GraphQL API:** More efficient data fetching for complex queries
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Gamification Features

Achievement System

- ☐ **Cooking Badges:** Earn badges for trying new cuisines, cooking techniques
- ☐ **Streak Tracking:** Daily cooking streaks and consistency rewards
- ☐ **Recipe Mastery:** Level up recipes from “Tried” to “Mastered”
- ☐ **Seasonal Challenges:** Holiday-themed cooking challenges

Goal Setting

- ☐ **Cooking Goals:** Set weekly/monthly cooking targets

- [] **Dietary Goals:** Track progress toward dietary objectives
 - [] **Skill Development:** Set goals for learning new cooking techniques
 - [] **Budget Goals:** Set and track cooking budget objectives
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Platform Expansion

Wearable Integration

- [] **Apple Watch App:**
 - Timer management during cooking
 - Quick ingredient checks
 - Cooking reminders and notifications
- [] **Android Wear Support:** Similar functionality for Android users
- [] **Smart Home Integration:**
 - Alexa/Google Assistant recipe reading
 - Smart oven integration
 - Kitchen timer synchronization

Desktop Applications

- [] **macOS App:** Native desktop experience for Mac users
 - [] **Windows App:** Native Windows application
 - [] **Linux Support:** AppImage or Snap package distribution
 - [] **Browser Extensions:** Quick recipe saving from any website
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Advanced Cooking Features

Professional Tools

- [] **Recipe Scaling Calculator:** Professional-grade ingredient scaling
- [] **Cooking Timers:** Multiple simultaneous timers with custom alerts
- [] **Temperature Guide:** Internal temperature guide for meats and baking
- [] **Conversion Tools:** Imperial/metric conversion utilities
- [] **Substitution Database:** Comprehensive ingredient substitution guide

Experimental Features

- [] **Recipe Remixing:** AI-powered recipe combination and modification
 - [] **Flavor Profile Matching:** Match recipes to user's taste preferences
 - [] **Seasonal Ingredient Alerts:** Notifications when ingredients are in season
 - [] **Leftover Recipe Generator:** Create recipes from leftover ingredients
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API & Integration Enhancements

Third-Party Integrations

- [] **Fitness App Integration:** MyFitnessPal, Fitbit nutrition sync
- [] **Calendar Integration:** Meal planning with calendar apps
- [] **Smart Kitchen Appliances:** Integration with IoT kitchen devices
- [] **Delivery Services:** Integration with meal kit delivery services

Enhanced API Features

- [] **Real-time Recipe Updates:** Live updates to recipe database
 - [] **User-Generated Content:** Allow users to submit their own recipes
 - [] **Recipe Versioning:** Track recipe modifications and improvements
 - [] **Collaborative Editing:** Multiple users can edit shared recipes
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UI/UX Improvements

Visual Enhancements

- [] **Custom Themes:** User-created and community themes
- [] **Animation Improvements:** More fluid and engaging animations
- [] **Accessibility Themes:** High contrast and colorblind-friendly options
- [] **Seasonal UI:** Interface changes based on seasons and holidays

Interaction Improvements

- [] **Gesture Customization:** Allow users to customize swipe actions
 - [] **Keyboard Shortcuts:** Power user keyboard navigation
 - [] **Drag & Drop:** Drag ingredients between recipes and shopping lists
 - [] **Multi-touch Support:** Enhanced tablet and large screen support
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Business & Monetization

Premium Features

- [] **Recipe Slot Pro:** Premium subscription with advanced features
- [] **Ad-Free Experience:** Remove advertisements for premium users
- [] **Unlimited Recipe Storage:** Remove limits on saved recipes
- [] **Priority Support:** Faster customer support for premium users

Partnership Opportunities

- [] **Celebrity Chef Partnerships:** Exclusive recipes from famous chefs
 - [] **Cooking School Integration:** Partner with culinary schools
 - [] **Kitchen Equipment Partnerships:** Affiliate programs with kitchen brands
 - [] **Cookbook Publisher Partnerships:** Digital cookbook integration
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Research & Development

Experimental Technologies

- ☐ **AR Recipe Visualization:** Augmented reality cooking instructions
- ☐ **VR Cooking Classes:** Virtual reality cooking education
- ☐ **Blockchain Recipe Verification:** Ensure recipe authenticity
- ☐ **IoT Kitchen Integration:** Smart kitchen appliance ecosystem

Data Science Projects

- ☐ **Recipe Trend Analysis:** Identify emerging food trends
 - ☐ **Nutritional Research:** Contribute to nutritional science research
 - ☐ **Cooking Behavior Studies:** Understand user cooking patterns
 - ☐ **Ingredient Price Prediction:** Predict ingredient price fluctuations
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Known Issues & Bug Fixes

Current Issues

- ☐ **iOS Keyboard Overlap:** Fix keyboard covering input fields on some iOS devices
- ☐ **Android Back Button:** Improve back button behavior in nested navigation
- ☐ **Image Loading:** Optimize image loading for slow connections
- ☐ **Memory Usage:** Reduce memory footprint on older devices

Performance Issues

- ☐ **Startup Time:** Reduce app startup time on older devices
 - ☐ **Search Performance:** Optimize ingredient search for large datasets
 - ☐ **Animation Stuttering:** Fix animation performance on mid-range devices
 - ☐ **Battery Usage:** Optimize battery consumption during extended use
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Documentation & Community

Documentation Improvements

- ☐ **Video Tutorials:** Create comprehensive video guides
- ☐ **API Documentation:** Complete API reference for developers
- ☐ **Troubleshooting Guide:** Common issues and solutions
- ☐ **Best Practices Guide:** Optimal app usage recommendations

Community Building

- ☐ **Developer Forum:** Community space for developers and power users
 - ☐ **Recipe Contest:** Regular community recipe competitions
 - ☐ **Beta Testing Program:** Organized beta testing for new features
 - ☐ **User Feedback Portal:** Structured feedback collection system
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Success Metrics & KPIs

User Engagement

- [] **Daily Active Users:** Target 10,000+ DAU by end of year
- [] **Recipe Discovery Rate:** Average 5+ recipes discovered per session
- [] **Cooking Completion Rate:** 70%+ of saved recipes actually cooked
- [] **User Retention:** 60%+ monthly retention rate

Feature Adoption

- [] **Slot Machine Usage:** 80%+ of users try slot machine mode
 - [] **Ingredient Mode Usage:** 60%+ of users use ingredient-based search
 - [] **Recipe Saving:** Average 20+ saved recipes per active user
 - [] **Social Sharing:** 30%+ of users share at least one recipe
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Release Timeline

Q3 2024 (v1.1.0)

- AI Recipe Recommendations
- Enhanced Offline Support
- Voice Commands (iOS)
- Grocery List Generation

Q4 2024 (v1.2.0)

- Social Features (Recipe Sharing)
- Apple Watch App
- Multi-language Support (Spanish, French)
- Advanced Analytics Dashboard

Q1 2025 (v2.0.0)

- AR Recipe Visualization
- Smart Kitchen Integration
- Premium Subscription Launch
- Desktop Applications

Q2 2025 (v2.1.0)

- VR Cooking Classes
 - Celebrity Chef Partnerships
 - Advanced AI Features
 - Global Market Expansion
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How to Contribute

Interested in helping with any of these features? Here's how you can contribute:

1. **Pick a Feature:** Choose something from this list that interests you
2. **Create an Issue:** Open a GitHub issue to discuss the implementation
3. **Fork & Develop:** Fork the repo and start developing
4. **Submit PR:** Submit a pull request with your implementation
5. **Collaborate:** Work with maintainers to refine and merge

Contribution Labels

- `good-first-issue` : Perfect for new contributors
- `help-wanted` : Features we'd love community help with
- `high-priority` : Features needed for next release
- `research-needed` : Features requiring investigation

Feedback & Suggestions

Have ideas not listed here? We'd love to hear them!

- **Email:** BeauRecipeApp@gmail.com
- **GitHub Issues:** Create a feature request issue
- **Community Forum:** Join our developer community discussions

This TODO list is maintained by [Beau Lewis](#) and the Recipe Slot App community.

Last Updated: June 26, 2024

Next Review: July 15, 2024