

# Cooking & Food Safety Education Mobile App

## **Main goal of the app**

To teach kitchen novices with foundational cooking skills and food safety knowledge through structured courses, interactive quizzes, and personalized learning paths.

## Main Scenarios

### Scenario 1: Completing a Quiz from a Course

User Goal: Test knowledge after completing a lesson to reinforce learning and earn rewards.

Flow: Login -> Home Screen -> Course Selection -> Quiz

Step-by-Step Interaction:

1. Login Screen:
  - UI Elements:
    - Email/password fields.
    - "Forgot Password?" link.
    - "Sign Up" button for new users.
  - User Action: Enter credentials and tap "Login."
2. Home Screen:
  - UI Elements:
    - Progress bar: "Your Progress: 40% Complete."
    - Featured course card: "Knife Skills Mastery" (highlighted).
    - Navigation bar (bottom): Home, Courses, Profile.
  - User Action: Tap "Courses" in the navbar.
3. Course Selection Screen:
  - UI Elements:
    - Grid of courses (e.g., "Food Safety 101," "Beginner Recipes").
  - User Action: Tap "Knife Skills Mastery" course.
4. Quiz Screen:
  - UI Elements:
    - multiple-choice questions (e.g., "Which knife is safest for chopping vegetables?").
    - Progress indicator: "Question 1/5."
    - Timer (optional): Adds urgency for food safety topics.
  - User Action: Answer all questions and tap "Submit."

Design Rationale:

- Minimal Navigation: Direct path from login to quiz in 4 steps.
- Progress Visibility: Progress bar and badges motivate continued learning.
- Feedback: Immediate quiz results with option to review mistakes.
- Gamification: Badges and animations reward achievement.

## Scenario 2: Signing Up & Initial Assessment

User Goal: Create an account and take a baseline assessment to personalize the learning journey.

Flow: Sign Up -> Account Creation -> Assessment Prompt -> Quiz (Optional) -> Home Screen

Step-by-Step Interaction:

1. Sign-Up Screen:
  - UI Elements:
    - Fields: Name, email, password.
    - Password strength meter.
    - "Already have an account? Login" link.
  - User Action: Enter details and tap "Create Account."
2. Assessment Prompt Screen:
  - UI Elements:
    - Text: "Let's assess your skills to personalize your experience!"
    - Buttons: "Take Assessment Now" or "Skip for Now."
  - User Action: Tap "Take Assessment Now."
3. Baseline Assessment Quiz:
  - UI Elements:
    - multiple-choice questions
    - Progress bar: "Question 3/10."
  - User Action: Complete the quiz and tap "Submit."
4. Personalized Home Screen:
  - UI Elements:
    - Recommended courses: "Based on your results, start with Food Safety 101."
    - Progress bar pre-filled based on assessment score.
  - User Action: Explore courses.

Design Rationale:

- Onboarding Efficiency: Single-screen sign-up reduces friction.
- Personalization: Baseline assessment tailors course recommendations.