

# **Food Endeavours**

Tutorial Document

# Functional Requirements

## Recipe Display Functionality:

Description: The app should display a list of recipes to the user.

### Requirements:

Recipes are listed with a title and thumbnail image.

Users can scroll through the list of recipes.

Selecting a recipe opens a detailed view with ingredients and cooking instructions.

## Ingredient Selection Functionality:

Description: Users should be able to select ingredients from a recipe.

### Requirements:

Each recipe has a list of ingredients with associated switches/toggles.

Users can toggle these switches to select or deselect ingredients.

## Add to Cart Functionality:

Description: Users can add selected ingredients to a shopping cart.

### Requirements:

An "Add to Cart" button is available on each recipe page.

When clicked, selected ingredients are added to the user's shopping cart.

The app shows a confirmation message when items are added to the cart.

## Shopping Cart Management:

Description: Users can view and manage items in their shopping cart.

### Requirements:

The shopping cart displays a list of all added ingredients.

Users can remove items from the cart.

The cart updates in real time as items are added or removed.

## Order Confirmation:

Description: Users can confirm their purchase from the cart.

### Requirements:

A "Confirm Purchase" button is available in the shopping cart.

Clicking the button requires the user to enter their phone number and home address.

The app validates the input and displays a success message upon confirmation or an error message if information is missing.

## User Account and Authentication:

Description: Users can create an account and log in to the app.

### Requirements:

New users can register with their email and password.

Returning users can log in with their credentials.

User sessions are managed securely.

## Search Functionality:

Description: Users should be able to search for recipes.

### Requirements:

A search bar allows users to enter search terms.

The app displays recipes matching the search criteria.

# Non-Functional Requirements

Note: This app is currently only in its Demo Version. Hence, several functionalities may not function as they are supposed to and some may behave more like a simulation.

- The Demo is only functional on an iPhone 11
- The app was designed on Xcode 13
- The requirements mentioned below are intended for the full app

## 1. Performance Requirements:

- Loading Time: The app should load any screen within 3 seconds under normal usage conditions.
- Response Time: Interactions such as button presses or toggling switches should respond within 1 second.

## 2. Usability Requirements:

- Accessibility: The app must be accessible, supporting screen readers and adaptable to various screen sizes and orientations.
- Ease of Use: The app should have an intuitive UI, allowing users to complete most actions within 3 steps.

## 3. Security Requirements:

- Data Protection: User data such as account information and personal details must be encrypted in transit and at rest.
- Authentication: Implement secure authentication mechanisms for user login, with options for password recovery.

## 4. Reliability Requirements:

- Uptime: The app should have an uptime of 99.9%.
- Data Backup: Regular backups of user data and app content should be performed to prevent data loss.

## 5. Scalability Requirements:

- User Load: The app should be able to handle up to 10,000 concurrent users without performance degradation.
- Expandability: It should be easy to add new recipes and features to the app without significant refactoring.

## 6. Maintainability and Support:

- Updates: The app should support over-the-air updates for new features and bug fixes.
- Documentation: Comprehensive documentation should be provided for future maintenance and support.

## 7. Legal and Regulatory Compliance:

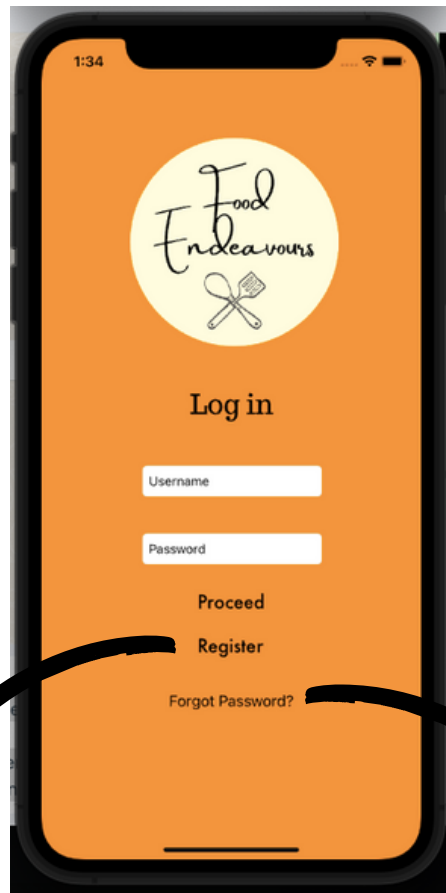
- Privacy Compliance: The app must comply with GDPR and other relevant data protection regulations.
- Content Licensing: All content, including images and recipes, must be used in compliance with copyright laws.

## 8. Localization and Internationalization:

- Language Support: The app should support multiple languages and regions, with the ability to easily add new localizations.

# Tutorial

**Clicking  
“Register”  
navigates to  
the User  
Registration  
Page**



1:34

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Log in

Username

Password

Proceed

Register

Forgot Password?

**Clicking  
“Forgot  
Password”  
navigates to  
the Password  
Retrival Page**



1:35

< Back

Food Endeavours

Register

Name

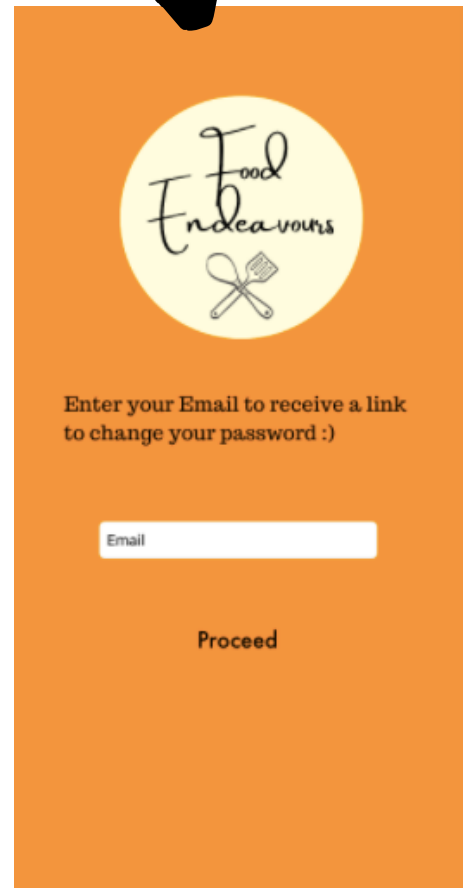
Username

Password

Confirm Password

Email

Confirm



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Enter your Email to receive a link to change your password :)

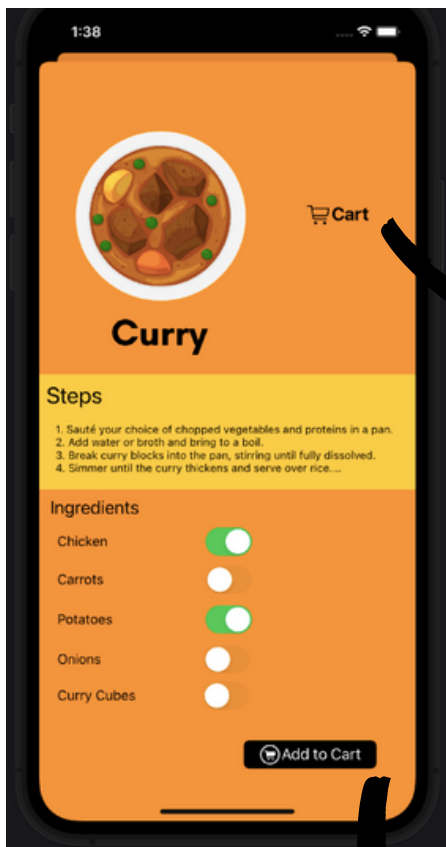
Email

Proceed

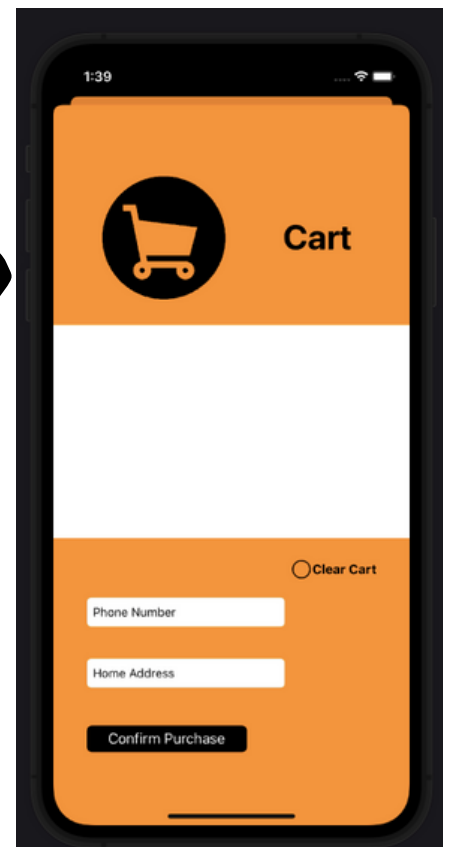
**Successful  
Login  
attempt leads  
to Home Page**



**Clicking on a  
Recipe leads  
to the Recipe  
page**



**Clicking  
“Cart”  
navigates to  
the Shopping  
Cart Page**



**The toggle  
buttons alongside  
each recipe -  
when it is turned  
ON, the ingredient  
is selected and can  
be added to cart  
upon clicking  
“Add to Car”  
button at the  
bottom**

