

Name: FoodForMe

Description: FoodForMe is a personalized food allergy app that detects potential food allergens when a product is entered into the app through manual search or barcode scanning and has a personalized response to the user whether or not the user should be able to consume the product. Additionally, the user has a choice to log the product that they searched up into a calendar to save that product if they consumed it on that day.

List of dependencies/packages: Firebase, Firestore, needs a device with a camera

To test my app you will require a camera. I designed my app for an iPhone 16 in portrait mode only. You can create your own user account and it should work. If that does not work you can use [lucky@gmail.com](mailto:lucky@gmail.com) and the password is Satvik26. When you are adding a picture to the profile picture, only certain images from your photo library would be stored because firestore has a limited number of bytes it could store, but if it's underneath the bytes number it will store. There is no problem when you are taking a picture for the profile picture. When scanning the barcode it is usually very consistent, but can get finicky at times so just keep on retrying to scan if that happens. Otherwise everything else should be working smoothly.

You can scan any product and it should work. If it is not in the database then there is an example input below.

Example input: Doritos Nacho Cheese Picture



## Required Feature Checklist

✓ **“Settings” screen.** The two behaviors implemented are:  
(fill in) edits first, last name and can change profile picture

✓ **Non-default fonts and colors used**

## Two Major Elements Used

- ✓ Login/register path with Firebase
- ☐ Core Data
- ✓ User Profile path using camera and photo library
- ☐ Multithreading
- ☐ SwiftUI

## Minor Elements Used

✓ Two additional view types such as sliders, segmented controllers, etc.  
The two implemented are: (fill in) switches and image view

## At least one of the following:

- ✓ Table View
  - ✓ Collection View
  - ☐ Tab VC
  - ☐ Page VC
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## At least one of the following:

- ✓ Alerts
  - ☐ Popovers
  - ☐ Stack Views
  - ☐ Scroll Views
  - ☐ Haptics
  - ☐ User Defaults
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## At least one of the following:

- ☐ Local notifications
- ☐ Core Graphics
- ☐ Gesture Recognition
- ☐ Animation
- ✓ ☒ Calendar
- ☐ Core Motion
- ☐ Core Location / MapKit
- ☐ Core Audio
- ☐ Firebase (if not used to fulfill Major Element requirement)
- ☐ Core Data (if not used to fulfill Major Element requirement)
- ✓ ☒ Other (such as QR code, Koloda, etc.) with approval from the instructor – Bar Code