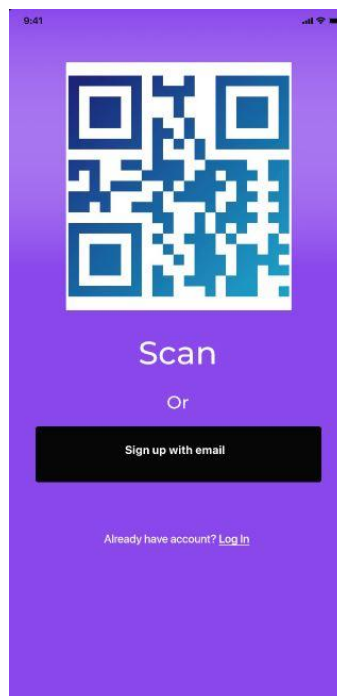# Appendix A
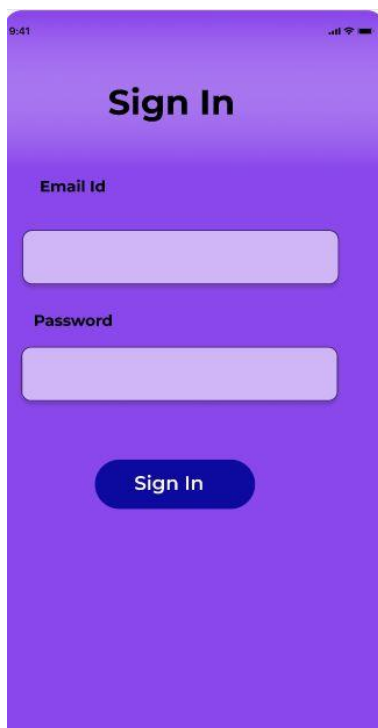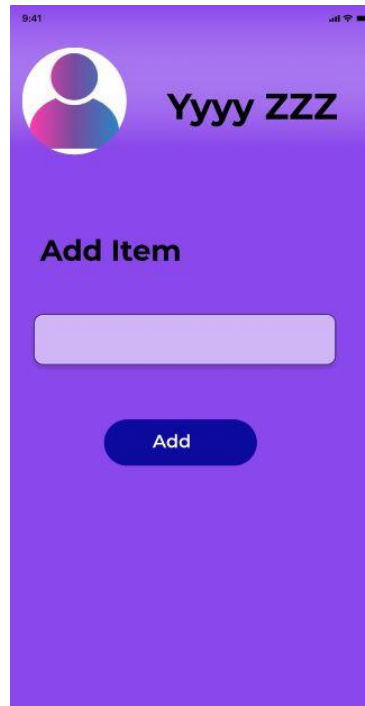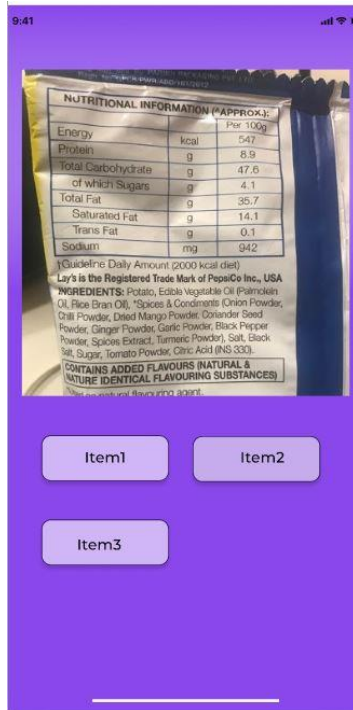
Iteration 1 Research Questions

1. What are the daily challenges and obstacles encountered by individuals with specific dietary restrictions in their food choices and consumption?
2. How do current mobile applications inadequately meet the unique challenges posed by dietary restrictions, and where do they fall short in providing effective solutions?
3. What essential features and design elements are pivotal for ensuring an application's efficacy and user-friendliness tailored to the needs of individuals managing dietary restrictions?
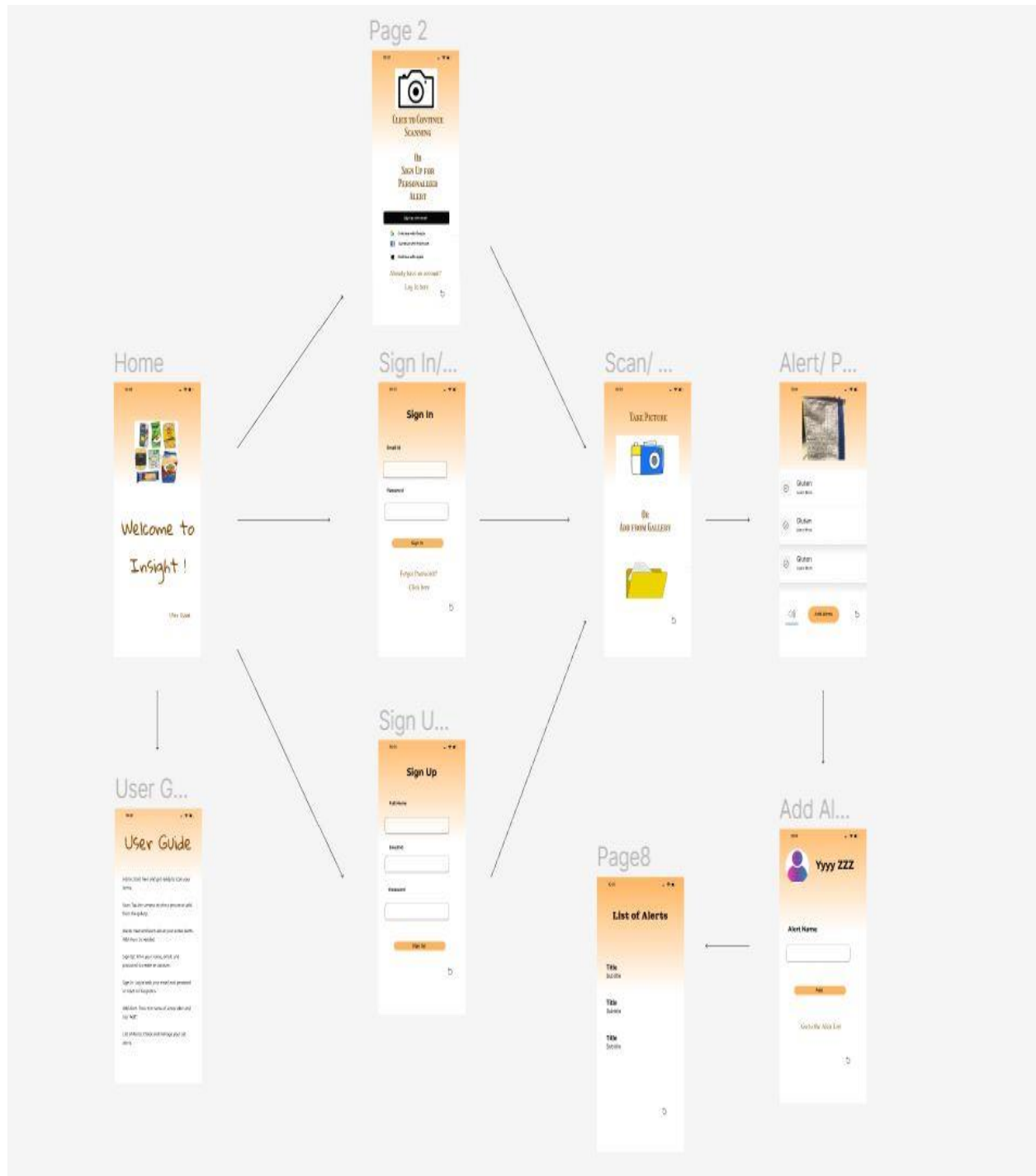
Iteration 1 Design

Figma Link

1. Home Page: Features a welcome message, "Welcome to Insight," with a circular, abstract image at the top.

2. Page1: Contains a QR code with the instruction "Scan," and alternative text below it suggesting to sign up via email, with a link for users who already have an account.
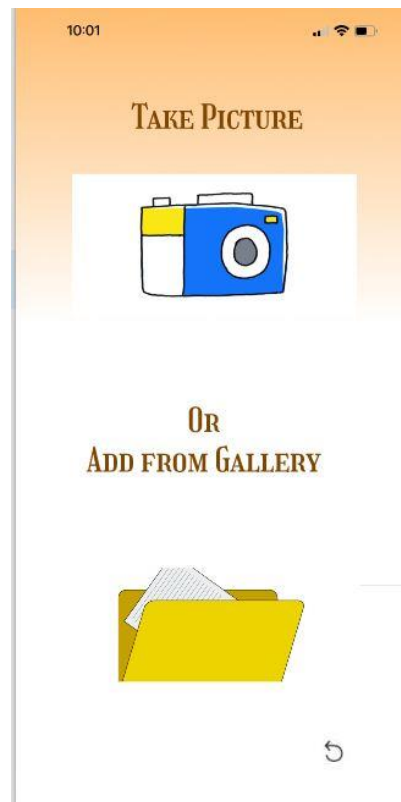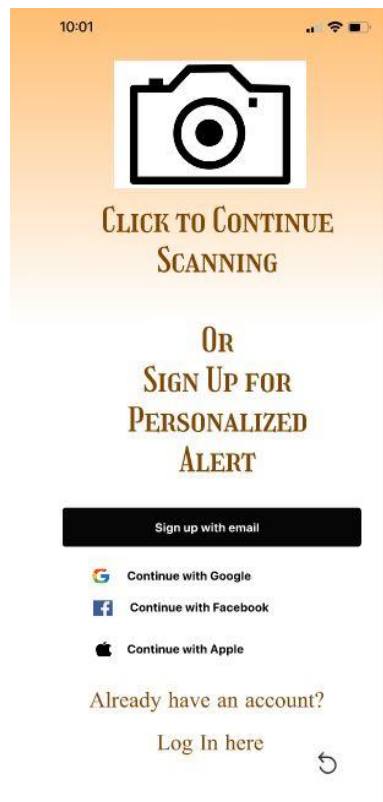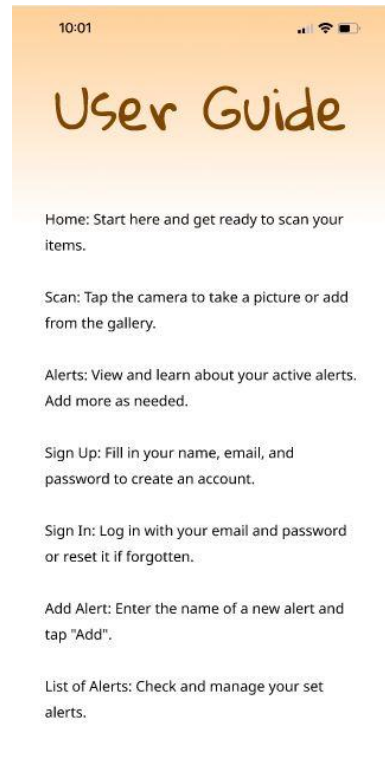
3. Page2: Shows a list layout with placeholders for items, presumably for a list of documents or entries, with a photograph of a handwritten note as an example of an item.

4. Sign Up: Outlines a form with fields for "Full Name," "Email id," and "Password," with a "Sign Up" button below.

5. Sign In: Mirrors the sign-up form with fields for "Email id" and "Password," alongside a "Sign In" button.

6. Add Item: Features a profile picture placeholder with initials "Yyyy ZZZ," an "Add item" field, and an "Add" button.
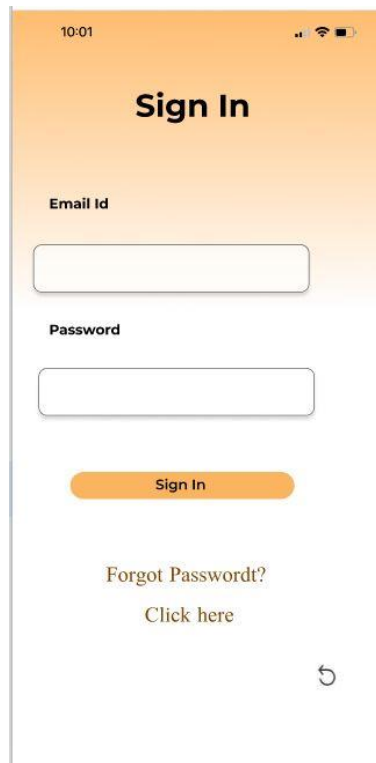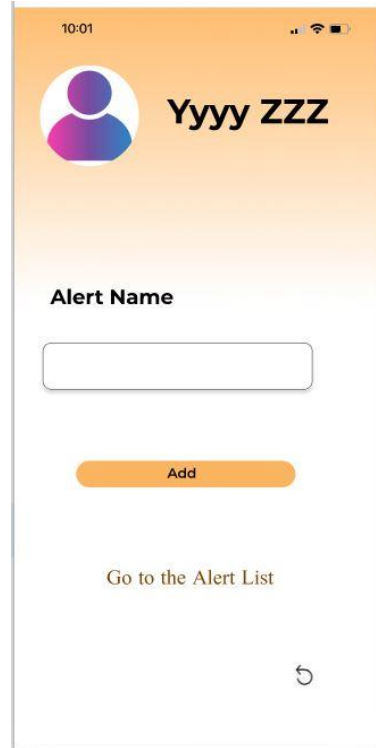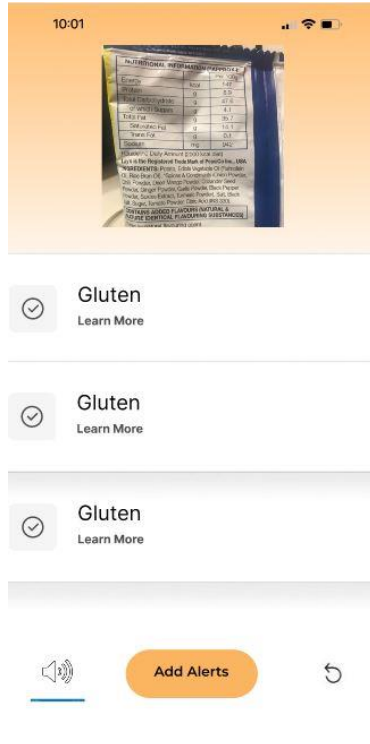

Appendix B

Iteration 2 Research Questions

1. Navigation and Layout:
   - How easily did you find key features based on the layout?
   - Were there any navigation challenges you faced?
2. User Engagement:
   - Did any home screen elements encourage further exploration?
   - How likely are you to revisit the app based on initial impressions?
3. Scanning Functionality:
   - How can we improve the user-friendliness of scanning?
   - Were there difficulties in understanding scanning instructions?
4. Alert Customization:
   - Were you able to customize alerts for dietary restrictions?
   - Do the alert options align with your specific needs?
5. Sign-Up and Social Media Integration:
   - Did the Sign-Up and Sign-In processes meet user-friendliness expectations?
   - How comfortable was the use of social media options for logging in?
6. Adding and Managing Alerts:
   - How confident were you in using the 'Add Alert' feature?
   - Any challenges in managing or modifying existing alerts?
7. User Confusion and Satisfaction:
   - Were there instances of unclear instructions or features?
   - How satisfied are you with the overall user interface?
8. Functional Feedback:
   - Any technical glitches or performance issues encountered?
   - Specific functionalities that could be enhanced or streamlined?
9. Aesthetic Feedback:
   - How did the color scheme contribute to a visually appealing experience?
   - Any distracting or challenging font choices?
10. Overall Satisfaction:

- Which features contributed the most to your overall satisfaction?
- Any specific design aspects needing urgent improvement?

Iteration 2 Design

[Figma Link](#)

Welcome to

Insight !

User Guide

User Guide

Home: Start here and get ready to scan your items.

Scan: Tap the camera to take a picture or add from the gallery.

Alerts: View and learn about your active alerts. Add more as needed.

Sign Up: Fill in your name, email, and password to create an account.

Sign In: Log in with your email and password or reset it if forgotten.

Add Alert: Enter the name of a new alert and tap "Add".

List of Alerts: Check and manage your set alerts.

CLICK TO CONTINUE SCANNING

OR
SIGN UP FOR PERSONALIZED ALERT

Sign up with email

G **Continue with Google**

f **Continue with Facebook**

  Continue with Apple

Already have an account?

Log In here

TAKE PICTURE

OR
ADD FROM GALLERY

Gluten
Learn More

Gluten
Learn More

Gluten
Learn More

Add Alerts

Yyyy ZZZ

Alert Name

Add

Go to the Alert List

List of Alerts

Title
Subtitle

Title
Subtitle

Title
Subtitle

Sign In

Email Id

Password

Sign In

Forgot Passwordt?

Click here

1. Home Screen: It displays a welcoming message "Welcome to Insight!" along with a variety of food package images, suggesting the app's use in scanning and identifying products. There's a "User Guide" button at the bottom, which implies in-app assistance.

2. User Guide: This screen details the functionalities of the app such as scanning items, viewing alerts, signing up, signing in, adding new alerts, and managing a list of alerts.

3. Scanning Feature: A screen prompts users to continue scanning or to sign up for personalized alerts. There are options to sign up with email, Google, Facebook, or Apple, indicating a streamlined sign-in process integrated with major social platforms.

4. Sign In: A simple sign-in interface asking for an email ID and password, with an option for users who forgot their password.

5. Sign Up: A registration form for new users, requiring a full name, email ID, and password.

6. Take Picture or Add from Gallery: This functionality allows users to either take a new picture using the camera or choose an existing image from the gallery, likely for the purpose of scanning items or uploading them for identification.

7.   Alerts Page: Displays a list of alerts (all named 'Gluten' in this example), each with an option to 'Learn More', suggesting that the app can track specific allergens or ingredients for the user.

8.   Add Alert: This screen includes a profile picture with initials (Yyyy ZZZ) and a field to enter a new alert name, indicating the app's personalized alert system.

9.   List of Alerts: A minimalistic interface showing a list of alerts with titles and subtitles, which users can presumably customize.

10. App Flow Chart: The final image is an overview of the app's flow, connecting different pages and showing how users might navigate through the app.

Appendix C

Iteration 3 Research Questions

1. How do users perceive the current color scheme in terms of visual appeal and comfort?
2. What is the impact of the existing tagline on users' understanding of the app's functionalities?
3. How user-friendly is the alert list editing feature, and what suggestions do users have for improvement?

Iteration 3 Design
[Figma Link](#)