

식전식KU

AI-based nutrition service
demonstration presentation

Team 9

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Introducing Prototype Elements

1. Login Features
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Introducing Prototype Elements

1. Login Features – Firebase connection

Authentication

사용자

로그인 방법

템플릿

사용량

설정

Extensions

이메일 주소, 전화번호 또는 사용자 UID로 검색

사용자 추가

식별자	제공업체	생성한 날짜 ↓	로그인한 날짜	사용자 UID
test5@naver.com		2024. 12. 2.	2024. 12. 2.	lovt1fWY08MtaHBiLSnK28S5f...
qwe@asd.com		2024. 12. 1.	2024. 12. 9.	I1B080TH2vTMFfs4hB3kpf52...
handa2323@naver.com		2024. 12. 1.	2024. 12. 1.	6MYZUo1iBmZvPqOMbZUSg...
test3@naver.com		2024. 11. 20.	2024. 11. 20.	wyHnVnXn9bd5sYWvHEyoPW...
test2@naver.com		2024. 11. 4.	2024. 11. 4.	5LpoH1Gt9kZBIbnsuAvCYY2q...
test1@naver.com		2024. 11. 4.	2024. 11. 4.	EWSDWxTXGVRfQUMv2EMcV...
100djr2323@naver.com		2024. 10. 9.	2024. 12. 2.	3TgOai9hYAeEjNxutBwOXF2a...

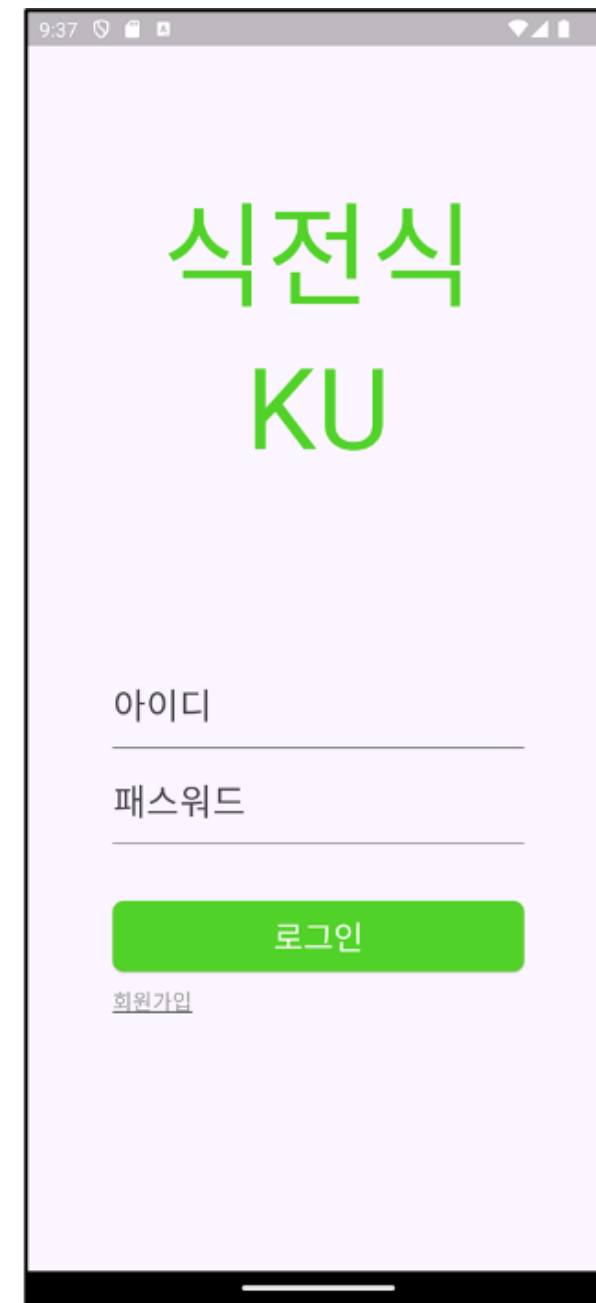
페이지당 행 수:

50

1 - 7 of 7

Introducing Prototype Elements

1. Login Features – Sign-up, sign-in, log-out



9:37

식전식
KU

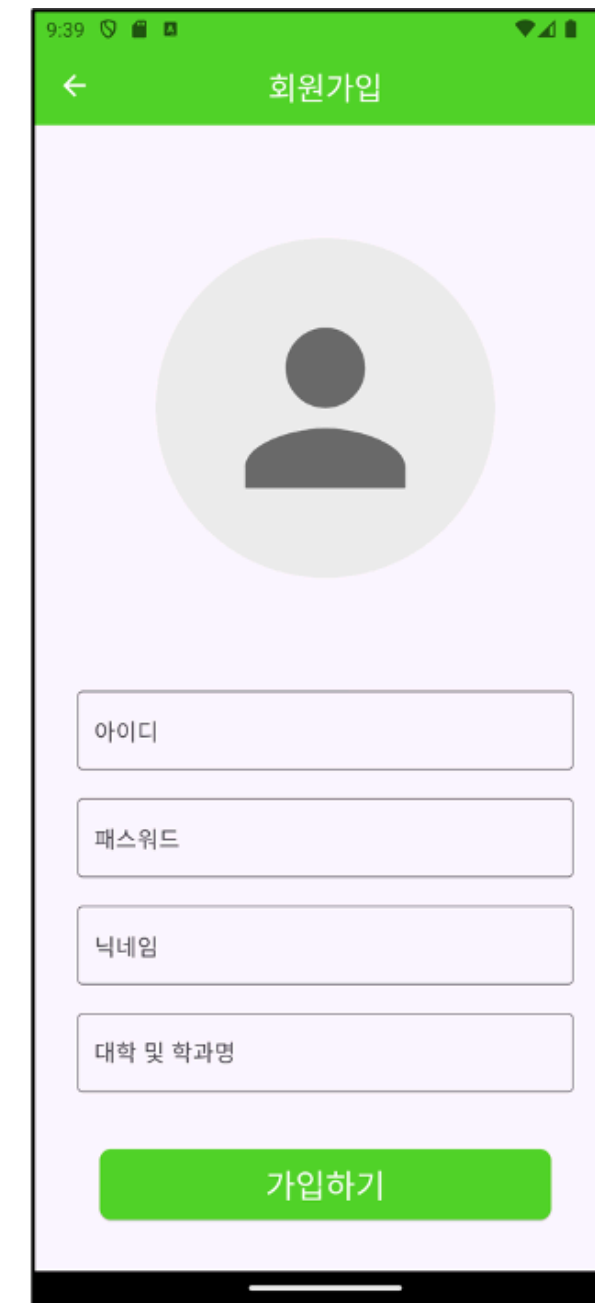
아이디

패스워드

로그인


[회원가입](#)

This is a mobile app login screen. At the top, the status bar shows the time 9:37. The app title '식전식 KU' is displayed in green. Below the title, there are two input fields for '아이디' (ID) and '패스워드' (Password). A green '로그인' (Login) button is positioned below the password field. At the bottom, there is a link for '회원가입' (Sign Up).



9:39

← 회원가입



아이디

패스워드

닉네임

대학 및 학과명

가입하기

This is a mobile app sign-up screen. At the top, the status bar shows the time 9:39. The header bar is green with a back arrow and the text '회원가입' (Sign Up). Below the header, there is a circular placeholder for a user profile icon. There are four input fields for '아이디' (ID), '패스워드' (Password), '닉네임' (Nickname), and '대학 및 학과명' (University and Department Name). A green '가입하기' (Sign Up) button is at the bottom.

Introducing Prototype Elements

2. Search for text – connection to the API for text search (식품의약품안전처_식품영양성분DB정보)

식품의약품안전처_식품영양성분DB정보 1.0.0

[Base URL: apis.data.go.kr/1471000/FoodNtrCpntDbInfo01]

식품 영양성분 정보에 대한 데이터로 식품명, 식품분류, 식품코드, 영양성분 함량 기준량, 에너지, 탄수화물, 단백질, 지방 등 영양성분 정보, 출처, 1회섭취 참고량, 식품중량, 품목제조보고번호, 업체명, 수입여부, 원산지, 데이터생성방법, 데이터생성일자, 데이터기준일자 등의 정보를 제공합니다.

API 목록

GET

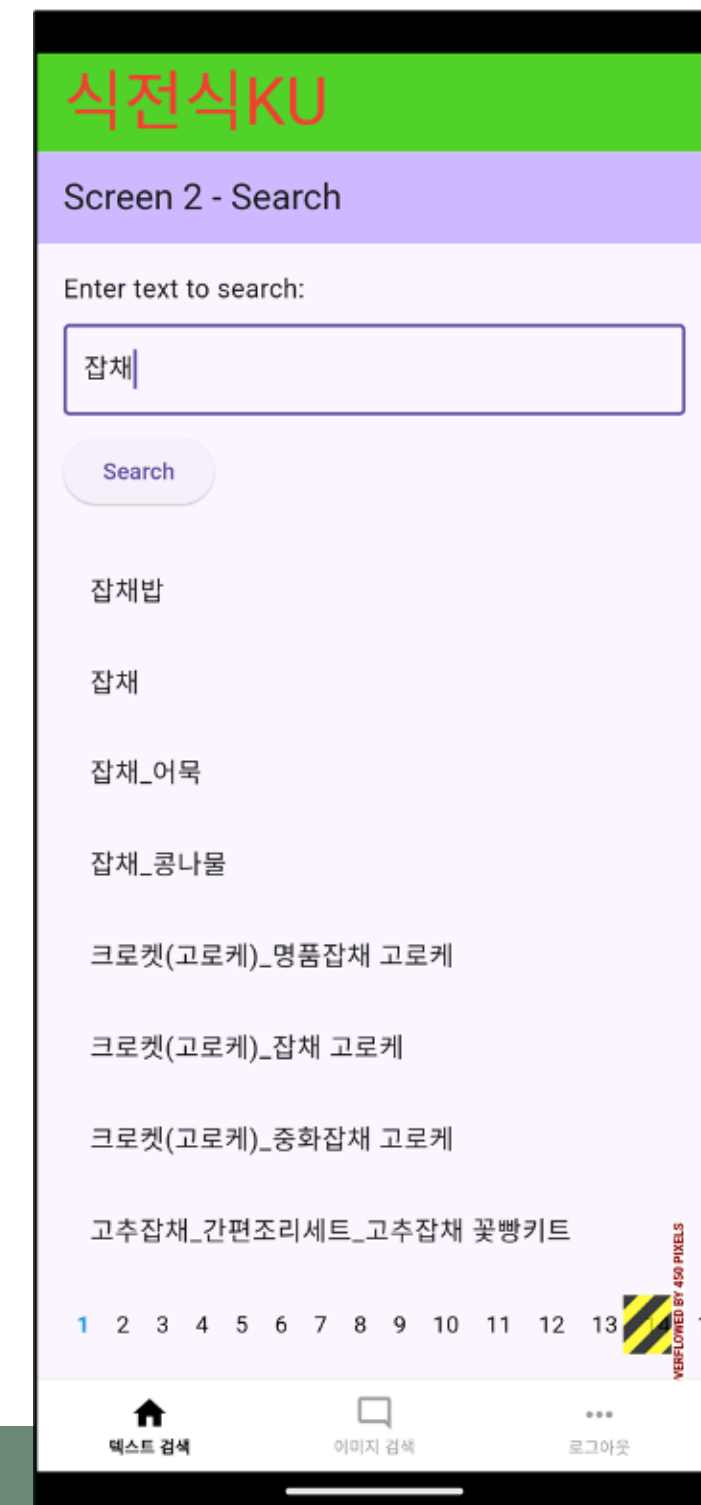
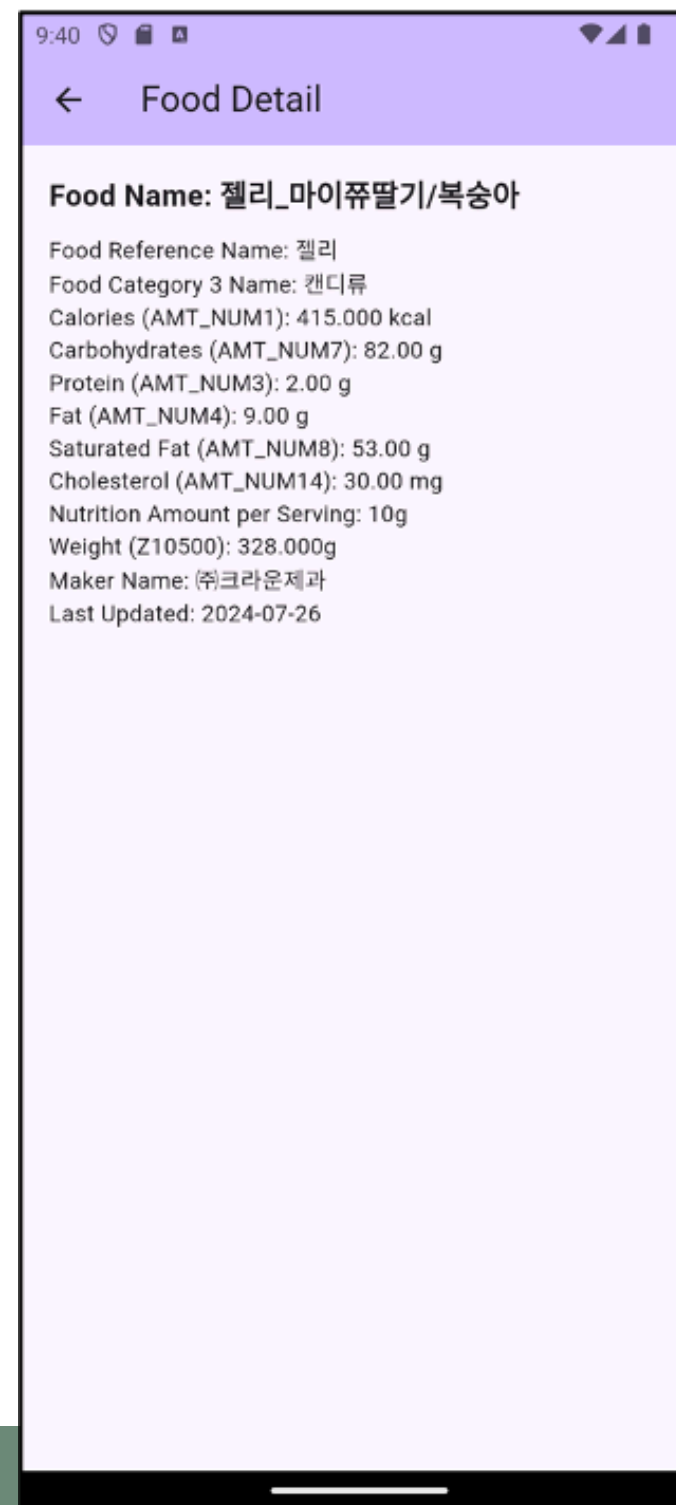
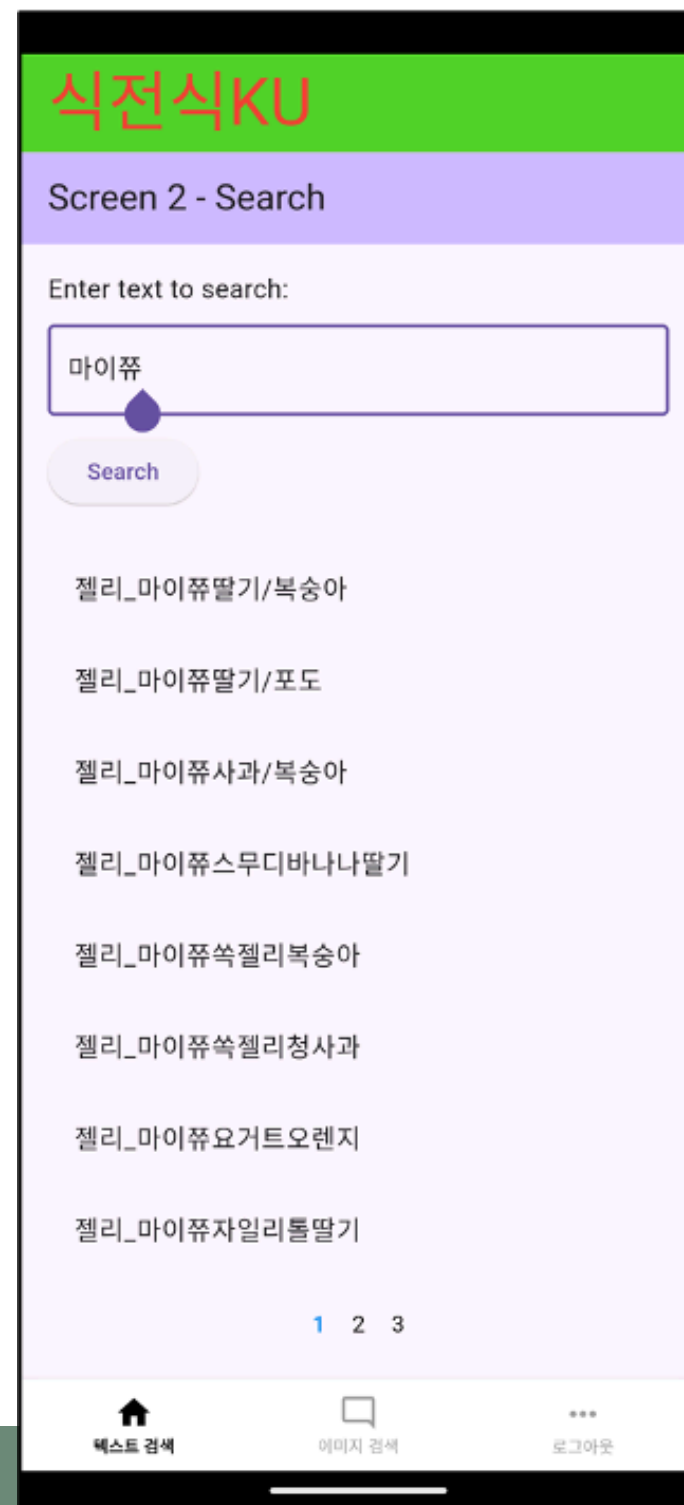
/getFoodNtrCpntDbInq01 식품 영양성분 조회

Models

getFoodNtrCpntDbInq01_response >

Introducing Prototype Elements

2. Search for text – Text Search Results and Nutrition Information




Introducing Prototype Elements

3. Search for images – Link to SDKs related to image search (doinglab)

Application

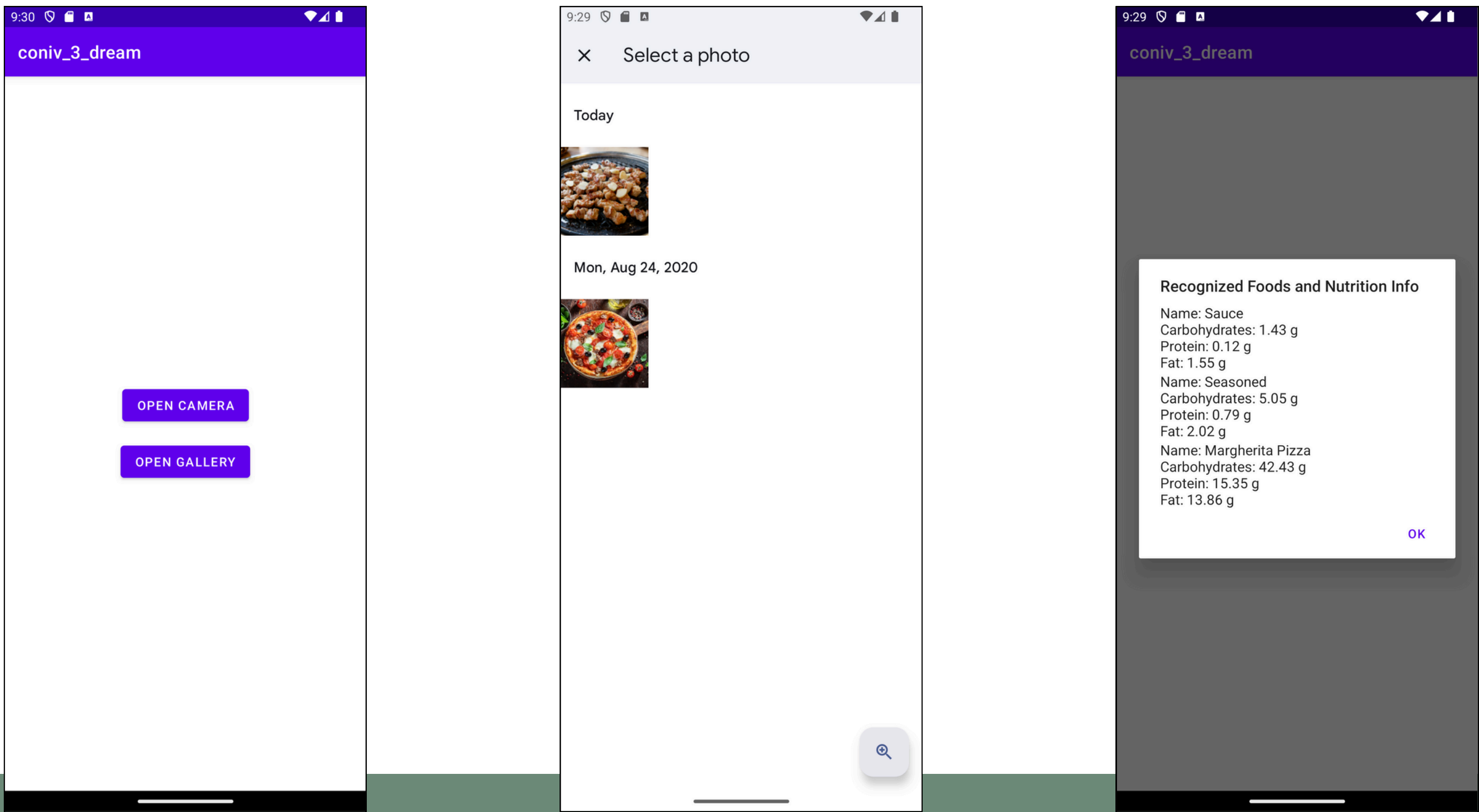
You can create up to 3 applications. Currently, you have 1 applications.

ADD APPLICATION +

Name	Used API	Creation Date	
 sjsk	CaloAI	December 5, 2024	⋮

Introducing Prototype Elements

3. Search for images – Image Search Results and Nutrition Information



Implementation Completion of Prototype

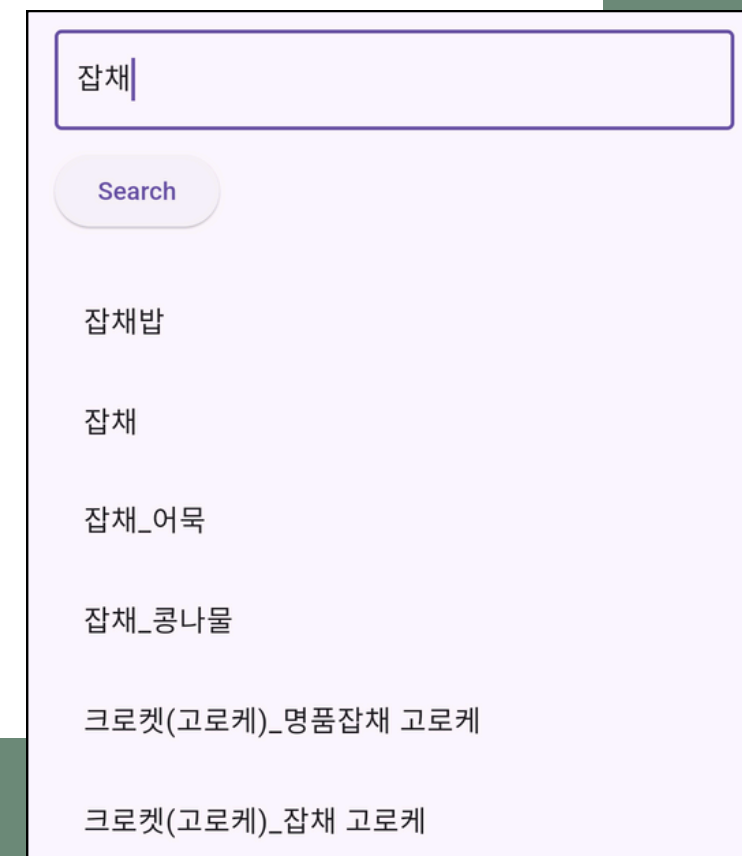
Features and Complementary Points

1. Login Features

Basic Implementation Completed
+ Consideration of Adding Member Information
Input/Edit/Delete Functionality

2. Search for text

Basic Implementation Completed
+ User-Customized Nutritional Information
Edit/Save Function
+ Consideration of Priority Function
for Search Result Listing



The screenshot shows a search interface with a search bar at the top containing the text '잡채'. Below the search bar is a 'Search' button. The search results are listed below the button, showing the following items:

- 잡채밥
- 잡채
- 잡채_어묵
- 잡채_콩나물
- 크로켓(고로케)_명품잡채 고로케
- 크로켓(고로케)_잡채 고로케

Implementation Completion of Prototype

Features and Complementary Points

3. Search for images

- Food recognition in images
→ Basic implementation completed
- + Image Preprocessing and Machine Learning
for Accuracy Improvement
- + Connection to Personal Server for
Reduced Response Time and
Reinforcement Learning Integration

Implementation Completion of Prototype

Non-prototype
implementation plan

- Configure My Page
- Calculation of Nutrient Ingredients Using Member Information
- Nutrition Intake Logging Page and Database Setup for It
- OCR recognition of text(back of product) in image
→ Implementation with OCR for Extracting Information
 - UX/UI

Demonstration

Thank you.