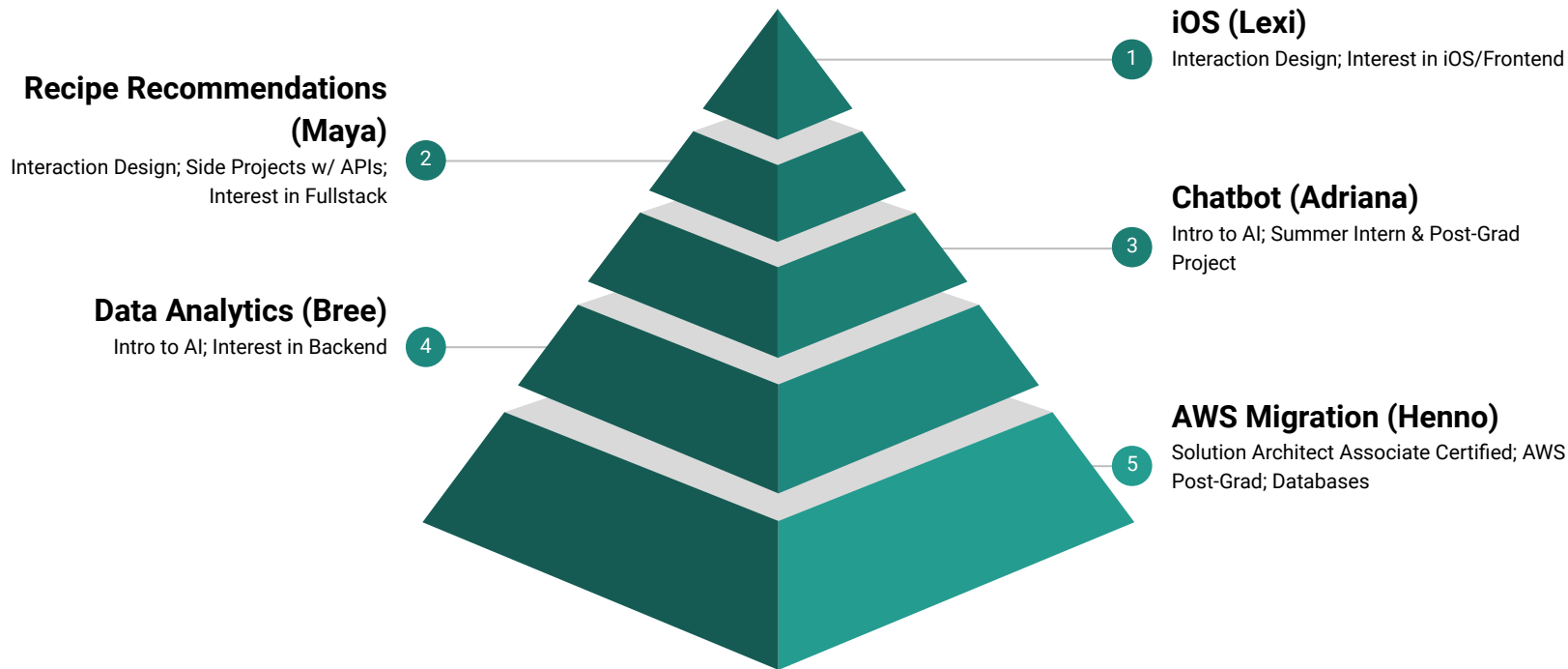# Project Description

- Diet tracking application

- Backend → AWS

- iOS Application: Chatbot, Recipes, Trends

Project Goals

- Intuitive design
- Chatbot that speaks like a nutritionist
- Actionable insights
- Entire backend hosted on the cloud
- Recipe Recommendations tailored to each user's unique diet

Project Justification

iOS (Lexi)
1 · Interaction Design; Interest in iOS/Frontend

Recipe Recommendations (Maya)
Interaction Design; Side Projects w/ APIs; Interest in Fullstack · 2

Chatbot (Adriana)
3 · Intro to AI; Summer Intern & Post-Grad Project

Data Analytics (Bree)
Intro to AI; Interest in Backend · 4

AWS Migration (Henno)
5 · Solution Architect Associate Certified; AWS Post-Grad; Databases
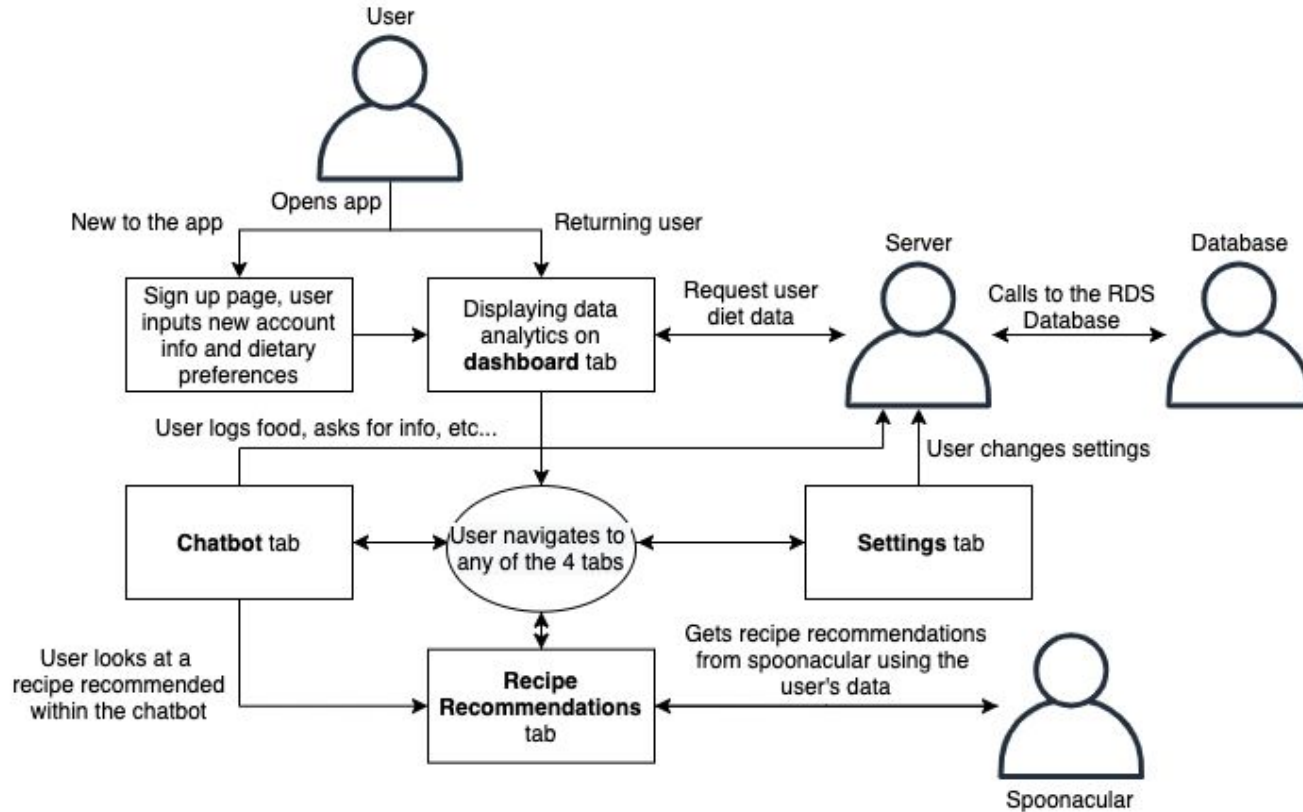
Scenarios

Victoria (24)
New User

- **Favorite Cuisines:** Chinese, Cajun, French, German, Greek, Indian, Italian, Latin American, Mediterranean, Mexican, Spanish, Thai
- **Diet:** Ketogenic
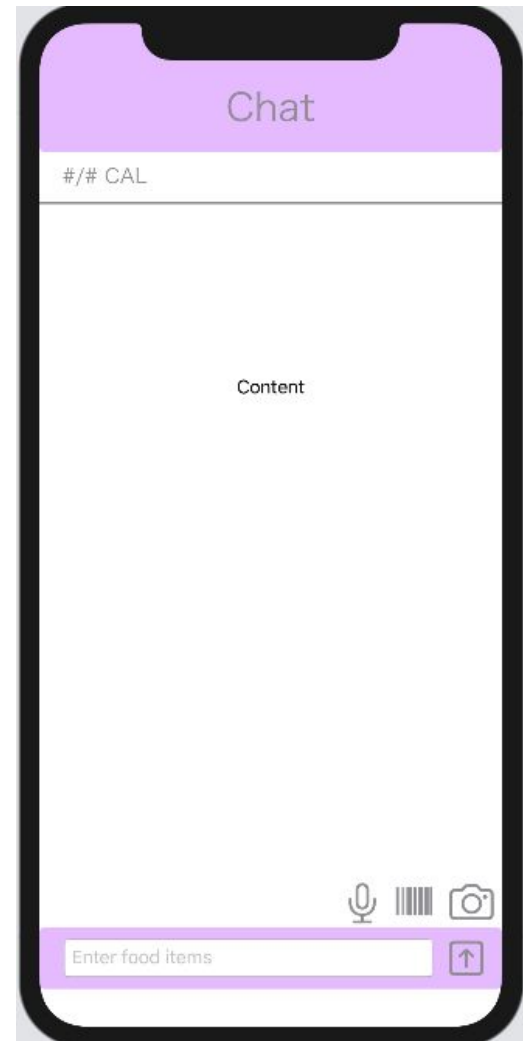- **Intolerances:** Peanuts, Gluten

Claire (31)
Existing User

- **Favorite Cuisines:** American, Indian, Irish, Indian, Japanese, European, Korean, Vietnamese, Mexican
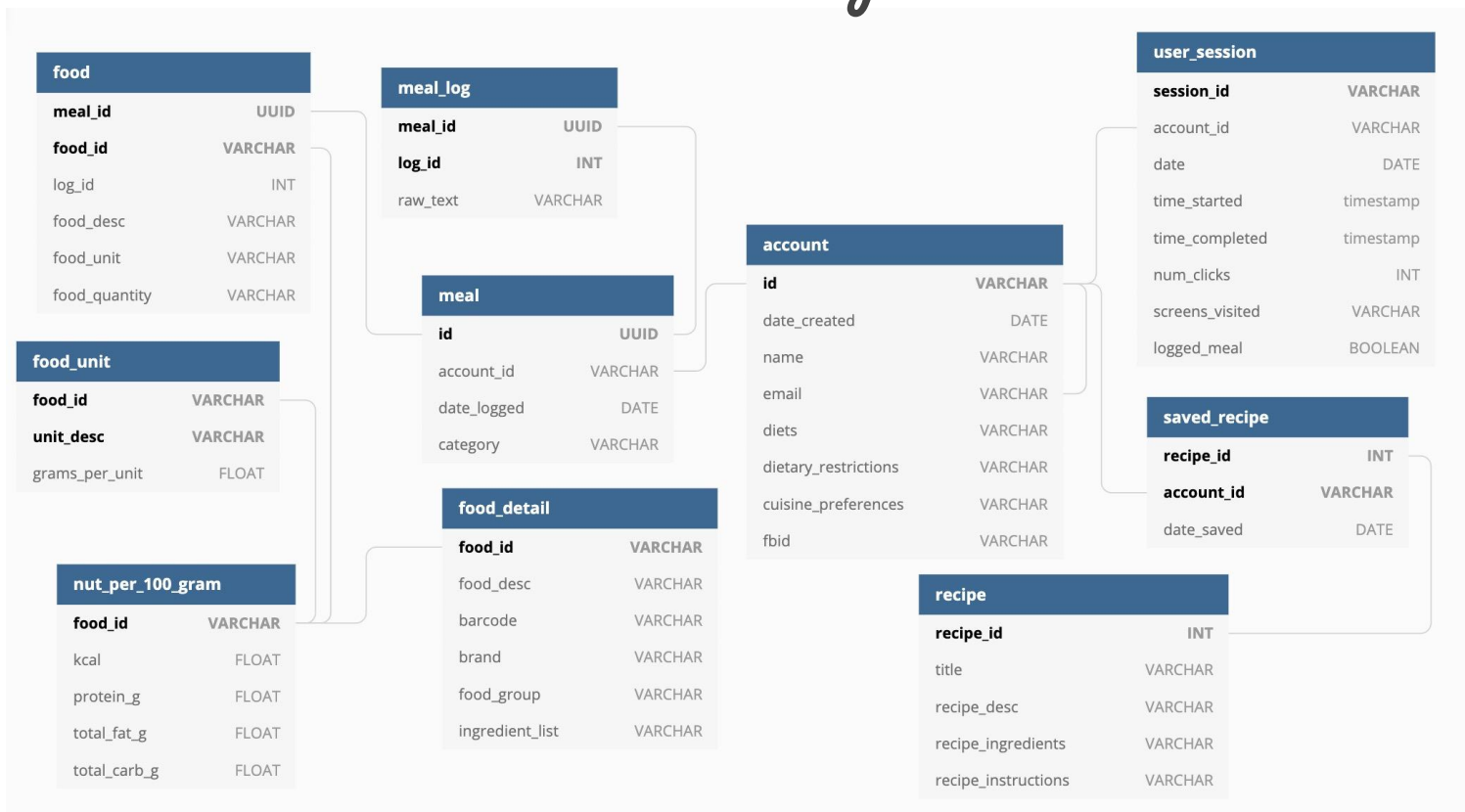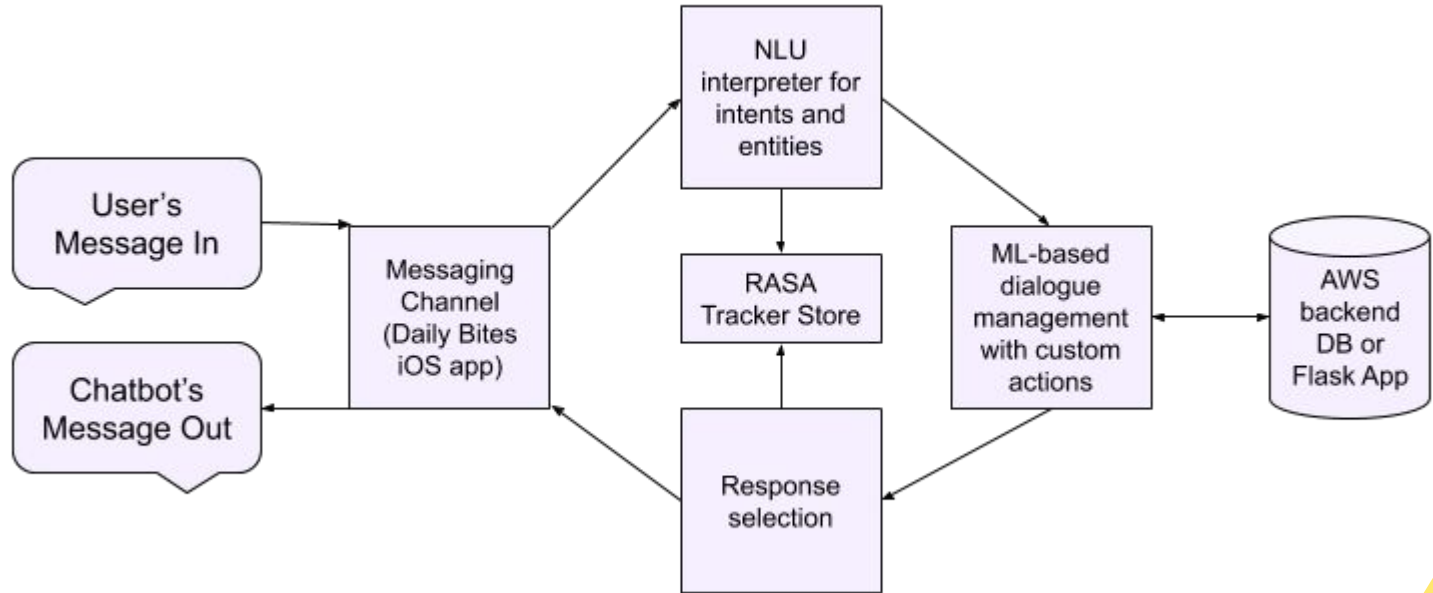- **Diet:** None
- **Intolerances:** None

Case Diagram

Trends

Day   Week   Month
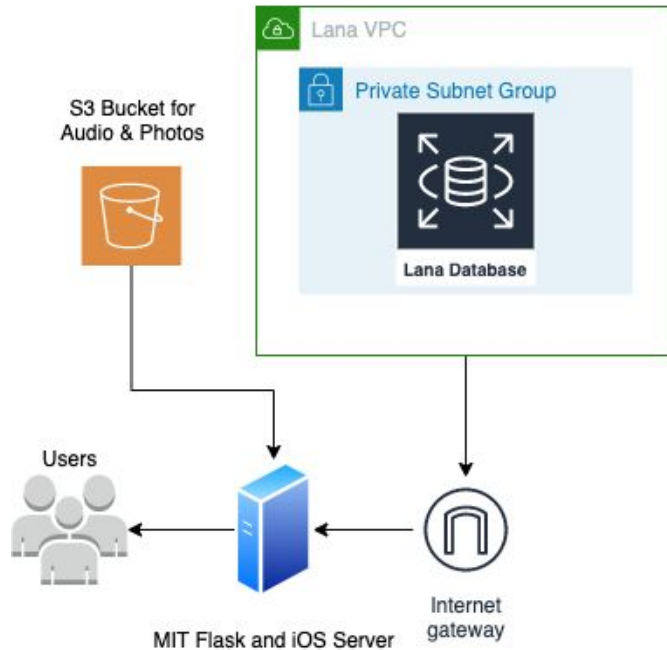
Hello, Name

iOS Design

Chat

#/# CAL

Content

Enter food items

Database Diagram

food

meal_id	UUID
food_id	VARCHAR
log_id	INT
food_desc	VARCHAR
food_unit	VARCHAR
food_quantity	VARCHAR

meal_log

meal_id	UUID
log_id	INT
raw_text	VARCHAR

user_session

session_id	VARCHAR
account_id	VARCHAR
date	DATE
time_started	timestamp
time_completed	timestamp
num_clicks	INT
screens_visited	VARCHAR
logged_meal	BOOLEAN

food_unit

food_id	VARCHAR
unit_desc	VARCHAR
grams_per_unit	FLOAT

meal

id	UUID
account_id	VARCHAR
date_logged	DATE
category	VARCHAR

account

id	VARCHAR
date_created	DATE
name	VARCHAR
email	VARCHAR
diets	VARCHAR
dietary_restrictions	VARCHAR
cuisine_preferences	VARCHAR
fbid	VARCHAR

saved_recipe

recipe_id	INT
account_id	VARCHAR
date_saved	DATE

nut_per_100_gram

food_id	VARCHAR
kcal	FLOAT
protein_g	FLOAT
total_fat_g	FLOAT
total_carb_g	FLOAT

food_detail

food_id	VARCHAR
food_desc	VARCHAR
barcode	VARCHAR
brand	VARCHAR
food_group	VARCHAR
ingredient_list	VARCHAR

recipe

recipe_id	INT
title	VARCHAR
recipe_desc	VARCHAR
recipe_ingredients	VARCHAR
recipe_instructions	VARCHAR

Chatbot Diagram

App Architecture
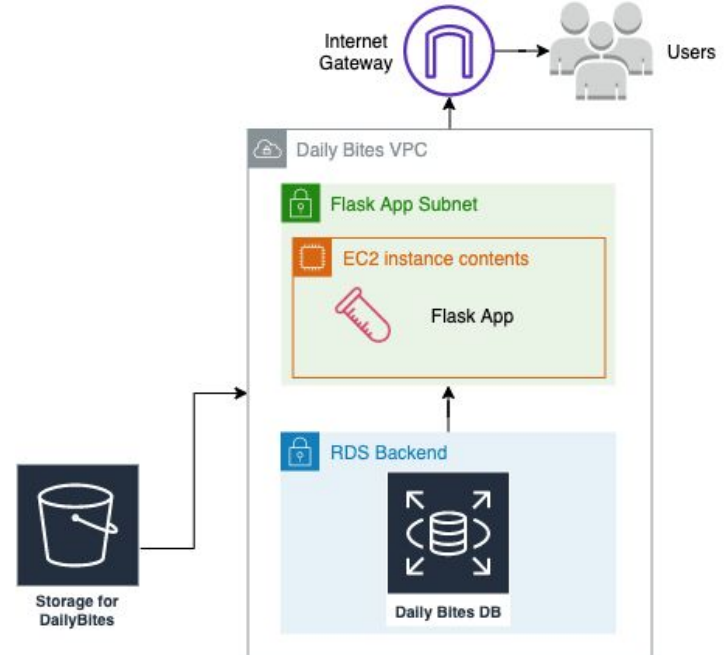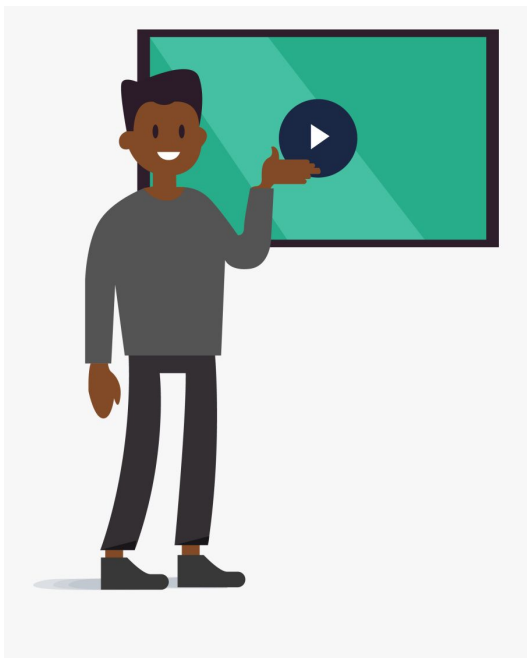
Demo!

Project Challenges

- Resurrecting Coco from the dead
- Interconnectedness of the project
- Figuring out how all of Coco's components interact (old and new)
- Hitting roadblocks individually

Status Update

- Sprints 1-3 were spent on team's separate pieces
- Now entering our 4th and final sprint
- Wrapping up individual components
- Next steps: integrating all pieces together and into the IOS

UPDATE

Questions?

Thank you for listening!

Special thanks to our faculty mentor: Dr. Mandy Korpusik