Coco 2.0

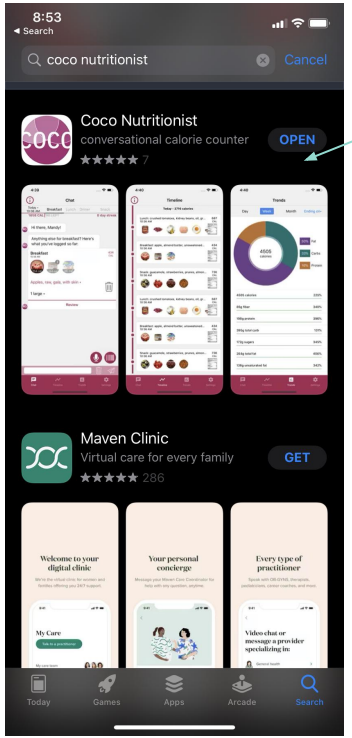
Adriana Donkers, Lexi Weingardt, Maya Dahlke,
Henno Kublin, Bree Betts

Mentor: Dr. Mandy Korpusik

What was Coco 1.0?

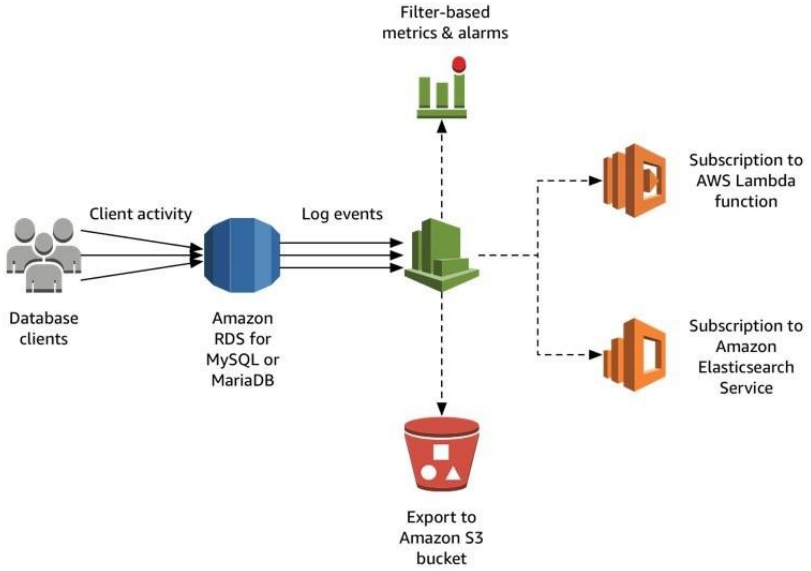
Website:

(https://www.coco-nutrition.com/)

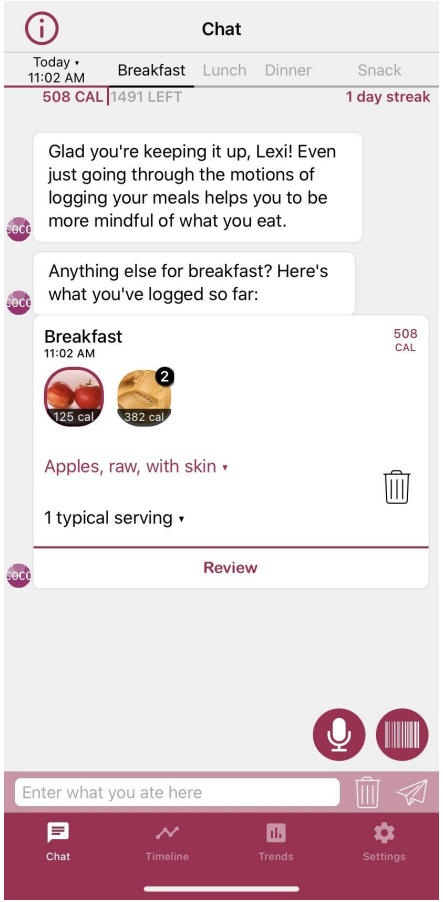


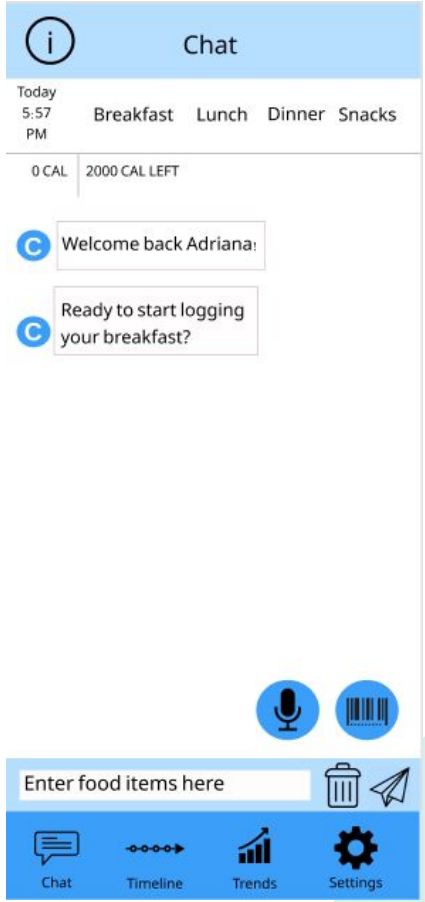
Download the iOS app today!

nutritionix



What will Coco 2.0 be?





AWS Migration

What Coco 1.0 is currently using:

amazon S3

- Goal: migrate the entire application backend to AWS
- AWS is designed to be experimented, so multiple approaches can be taken: serverless, instances, etc...

aws

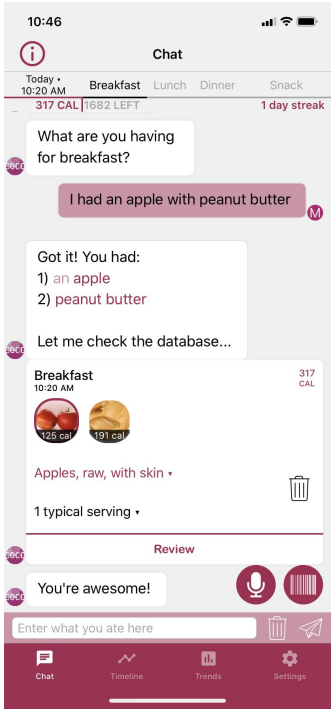
IOS Application Development

- Goal: make the app more intuitive by creating
  - more actionable insights on the dashboard screen
  - a chat screen with only one dialogue
  - exercise logging
  - food image logging
  - etcetera

Chatbot

Coco 1.0

- User logs their meal with text or speech
- Bot responds with nutrition facts and a message about which healthy nutrients the meal contains

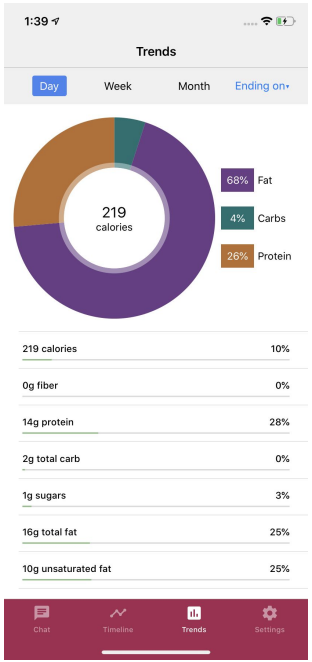


Coco 2.0

Goal: interacts like real nutritionist

- Detects the user's intent
- Answers simple questions about nutrition facts
- Asks follow up questions
- Uses fallback mechanism when can't respond

Data Analytics & Python back-end

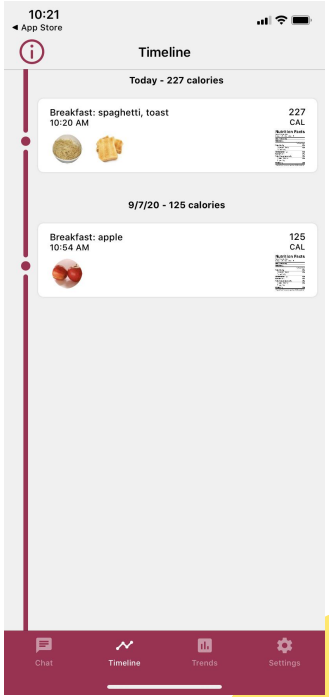


Coco 1.0

- Goal: to provide actionable insights to users of Coco 2.0
- Potential insights:
  - Vitamin tracking
  - Personalized user goals & customization
  - Track calorie consumption trends
  - Track user clicks in the app

Recipe Recommendations

- Goal: create an algorithm to match a Coco 2.0 user to a food recipe (using the Spoonacular API)
  - New users will be given recommendations after they take a quiz about their diet preferences
  - Existing users will be given recommendations based on a their timeline



Summary

With Coco 2.0, users will...

- have the backend all on AWS
- experience a more friendly user-interface
- log what they're eating using a nutritionist-like bot
- receive personalized recommendations and actionable insights

Thank you!

Any questions?