

The background is a light blue surface covered with a repeating pattern of various tropical fruits and foliage. The items include slices of watermelon with red flesh and green rinds, halves of papaya showing orange flesh and black seeds, whole and sliced lemons and limes, coconuts, and white tropical flowers with yellow centers and green leaves. The pattern is scattered across the entire page, framing a central white cloud-like shape.

# Coco 2.0

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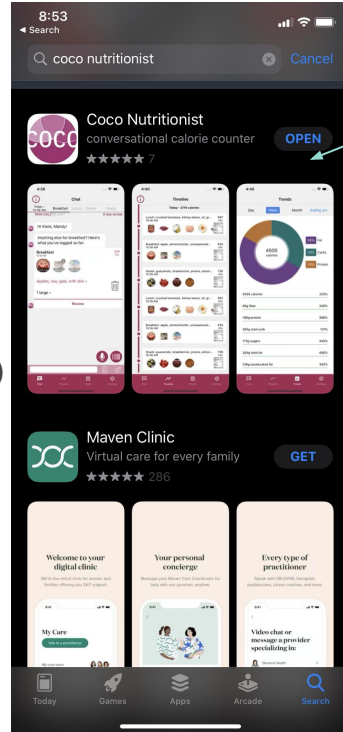
Mentor: Dr. Mandy Korpusik

# What was Coco 1.0?

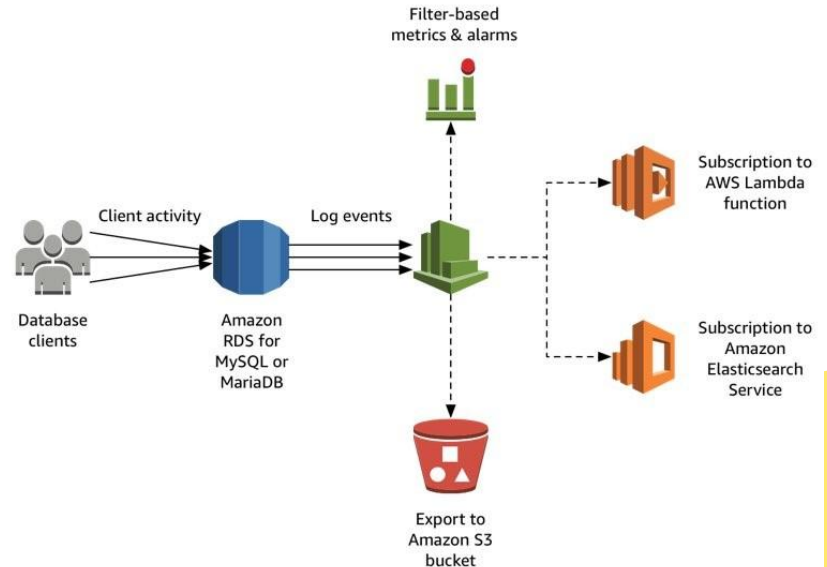
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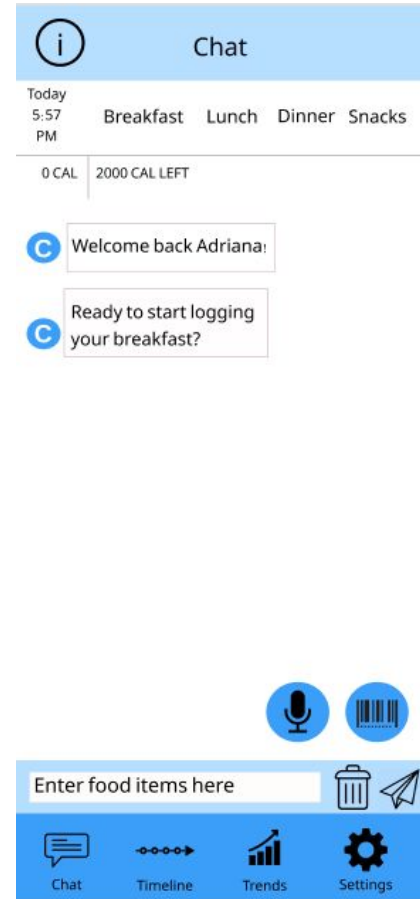
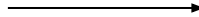
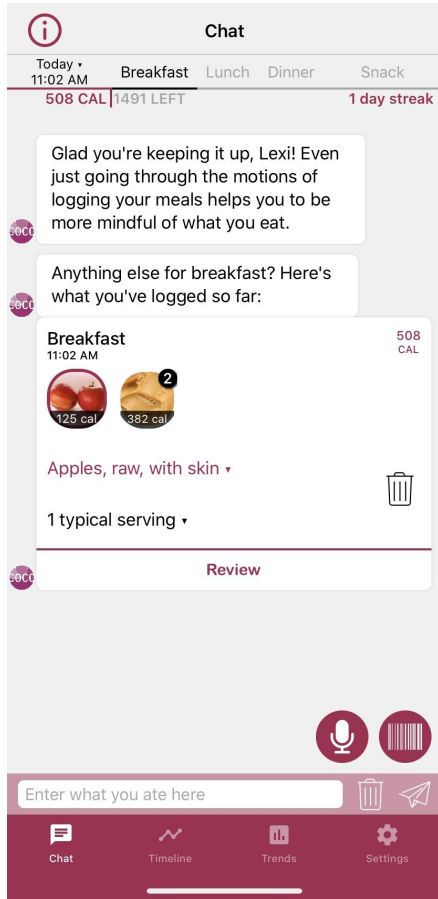
( <https://www.coco-nutrition.com/> )



Download the iOS app today!



# What will Coco 2.0 be?



# *AWS Migration*

What Coco 1.0 is currently using:



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



# *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



Ran two miles



Salmon

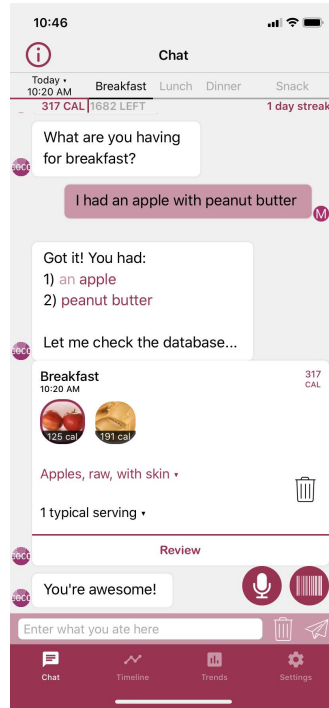
Brown rice

Lettuce,  
carrots,  
zucchini

# 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

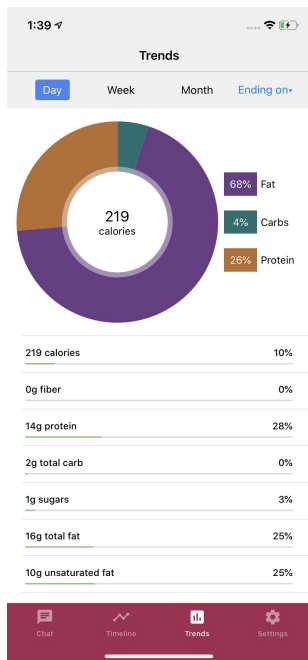


## Coco 2.0

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



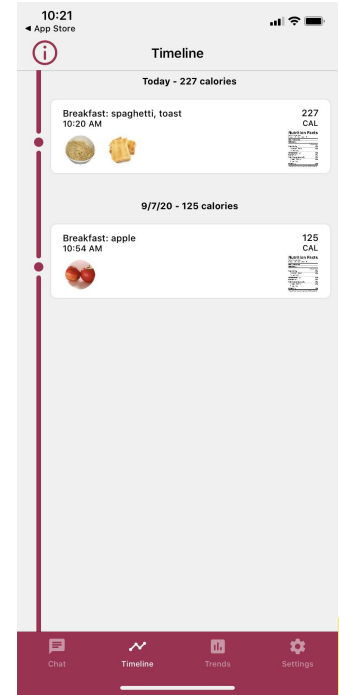
Coco 1.0

- ❑ 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

The background is a light blue surface covered with a repeating pattern of various tropical fruits and plants. Visible elements include slices of watermelon with red flesh and green rinds, halves of papaya showing orange flesh and black seeds, whole and sliced lemons and limes, coconuts, and small white flowers with yellow centers. Green leaves and stems are also scattered throughout the pattern.

# *Thank you!*

Any questions?