Beta Presentation
Faia: Fashion Artificial Intelligence Assistant
The Capstone Experience

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Project Overview

• Recommends clothing based on previous tastes
• User communicates with Faia directly through SMS
• Learns and improves clothing suggestions based on likes and dislikes
• Uses NLP for casual communication to ask for clothes and put them in Amazon cart
System Architecture

Amazon EC2
- SMS
  - User Request
  - Response to User
- Twilio
  - Query text
  - Response Text
- Amazon EC2
  - Initial Text
  - Web Form
  - Amazon Authentication
  - Login

Faia Core
- Amazon Lex
  - Parsed User Input
  - Add to cart
  - Clothing Request
- AWS Lambda
- Recommender
  - Product Information
- Amazon Product API
Questionnaire: Initial Style

Style Questionnaire
Please rate the following styles. This will help us to understand your personal style profile and make accurate recommendations for you.
(You must like at least one of these styles!)

Tailored Traditionalist
Like Neutral Dislike

King of R&R
Like Neutral Dislike
Questionnaire: Specific Clothing
SMS Interaction

How much are you willing to spend?

expensive

Is this expensive hat what you're looking for?

Enter message
SMS Interaction

Hello Danielle. I’m Faia, your personal fashion assistant!
10:06 PM

Hello there! Try commands like: Show me a red athletic shoe!
10:11 PM

Do you like what I found?: Savoir Faire Women’s Ponte Roma Shift Dress With Neck Slit 16 Black
10:24 PM MMS
What’s left to do?

• Improve accuracy of recommender
• Add more utterances and input handling for Amazon Lex
• Polish up design and graphics of website
Questions?