

MICHIGAN STATE

UNIVERSITY

Beta Presentation

Faia: Fashion Artificial Intelligence Assistant

The Capstone Experience

Team Amazon

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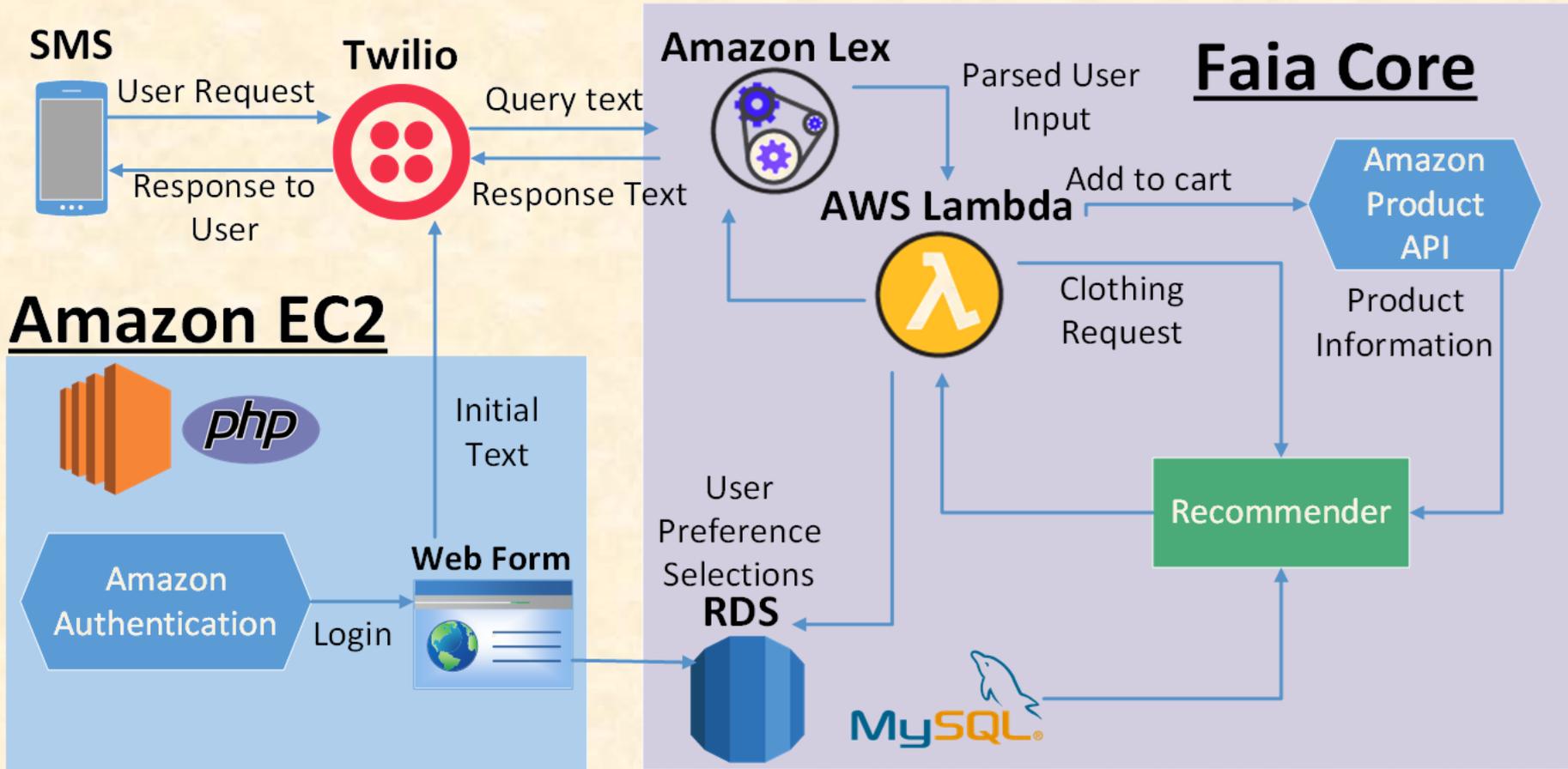
*From Students...
...to Professionals*

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



Questionnaire: Initial Style

Amazon Faia

faia.me/questionnaire.php

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 |
|------|---------|---------|

Type here to search

10:24 PM 11/17/2017

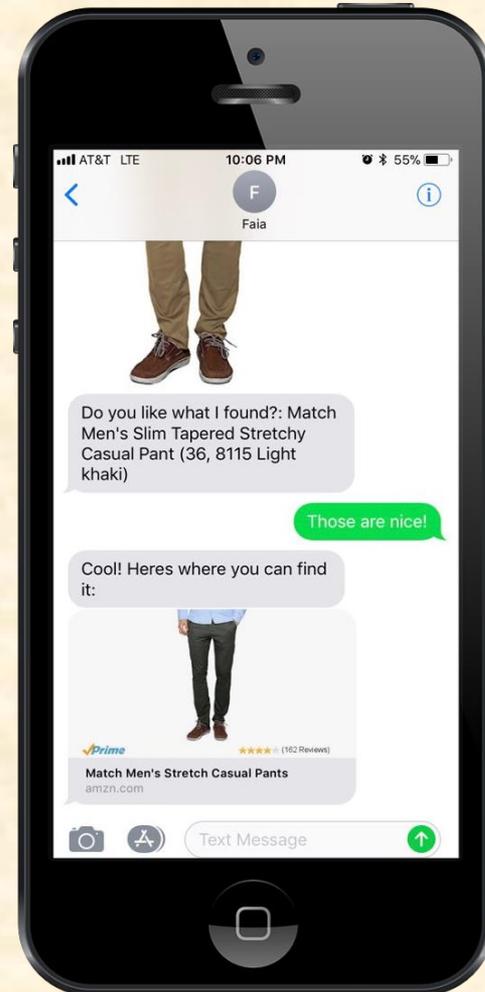
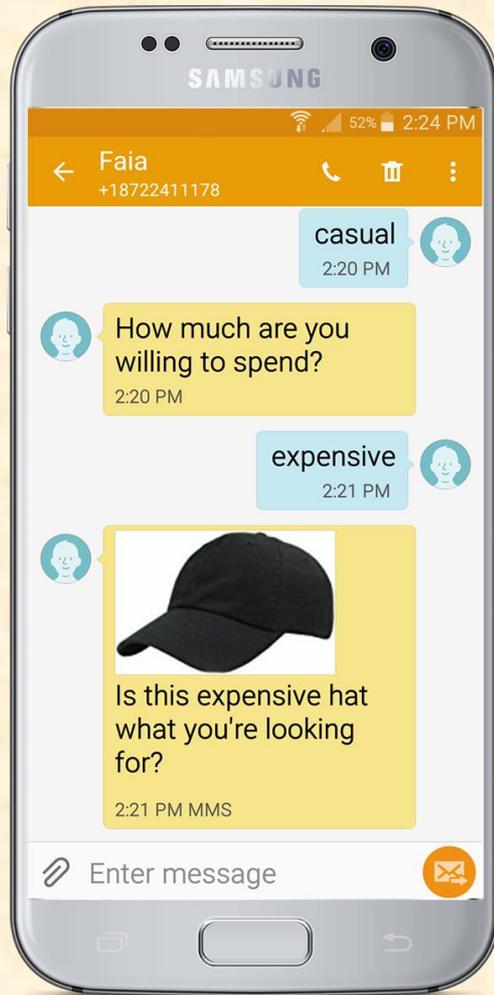


Questionnaire: Specific Clothing

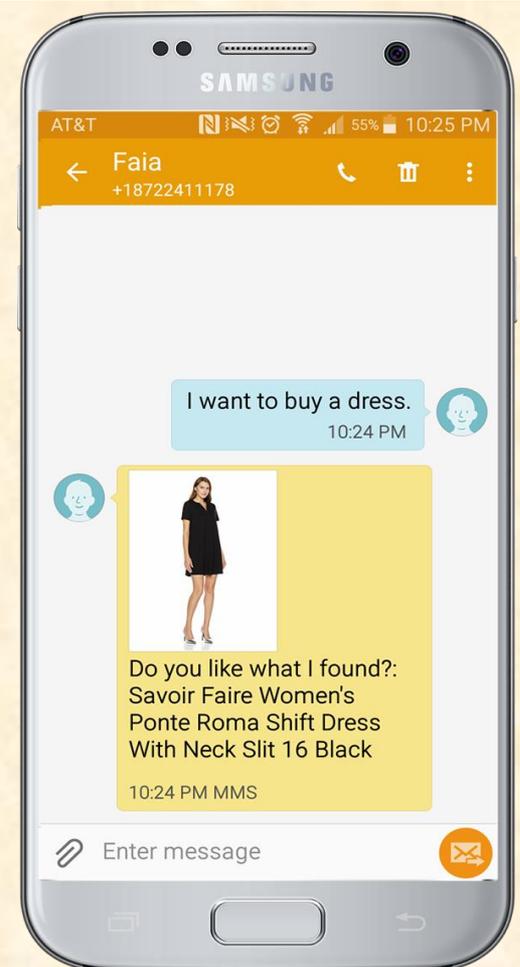
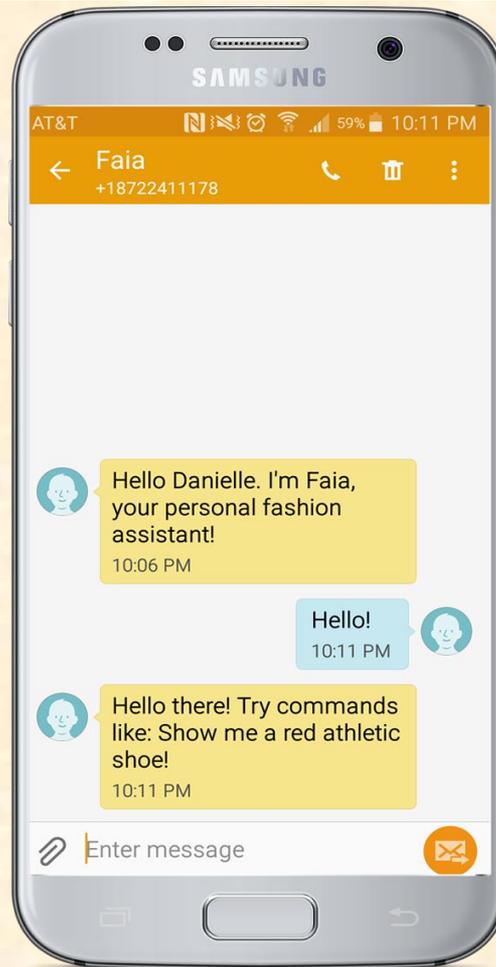
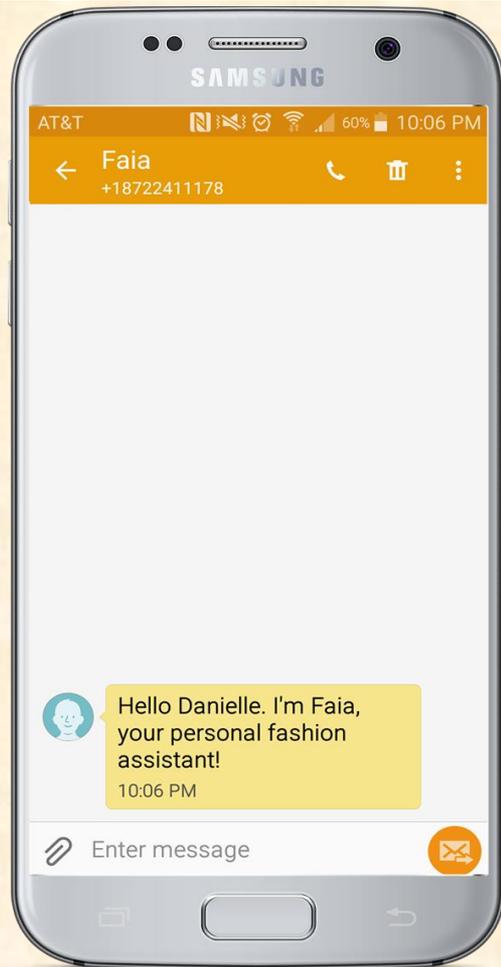
The screenshot shows a web browser window with the address bar displaying 'faia.me/questionnaire.php'. The page title is 'Style Questionnaire' and the instruction reads: 'Please click all the items that you like. This will help us to even further pin down your style.' There are ten clothing items arranged in two rows. The items are: a dark grey blazer, a black and white striped zip-up jacket, a plaid button-down shirt (highlighted with a green border), a dark grey zip-up jacket, a pair of grey trousers, a grey zip-up jacket, a maroon t-shirt (highlighted with a green border), a pair of light grey pants (highlighted with a green border), a bright green long-sleeve shirt, and a blue Champion hoodie (highlighted with a green border). A 'Submit' button is located at the bottom center of the items.



SMS Interaction



SMS Interaction



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?

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