Alpha Presentation
Personal Shopping Assistant

The Capstone Experience
Team Meijer

Jacob Bonesteel
Aaron Carlson
Emerson Chen
Megan Lippert
Zach Richardson

Department of Computer Science and Engineering
Michigan State University
Spring 2018
Project Overview

• Interactive and intelligent chatbot
• Enable customer to
  ▪ Locate products
  ▪ Obtain mPerks/coupon information
  ▪ Check item prices at competitors
  ▪ Notify team members to check stockroom for item
System Architecture

IOS
Apple Speech

Android
Google Speech

Azure
mperks
SQL
LUIS
Competitor Pricing

BLUEBIRD
Home Screen

Hi, I'm Thrifty, your personal shopping assistant! Feel free to ask me anything, or you can tap this message for some more options.

Hi, I'm Thrifty, your personal shopping assistant! Feel free to ask me anything, or tap "Help" for some suggestions.
Help Manual

Hi, I'm Thrifty, your personal shopping assistant! Feel free to ask me anything, or you can tap this message for some more options.

- The following are some of the FAQ
- Is there a coupon for _____?
- Is _____ in stock?
- What are the competitor prices for _____?
- Where can I find _____?

Ask Thrifty

These are some of the FAQ’s. Tap one to begin your search:

- "Is there a coupon for _____?"
- "Is _____ in stock?"
- "What are the competitor prices for _____?"
- "Where can I find _____?"

mPerks
Product Page and Conversations

- Coca-Cola
  - $7.99
  - Aisle 2
  - OUT OF STOCK
  - COUPON AVAILABLE
  - COMPETITOR PRICES

- Meijer
  - Hi, I'm Thrifty, your personal shopping assistant! Feel free to ask me anything, or tap "Help" for some suggestions.
  - What aisle is Coke in?
  - Coke is located in Aisle 08
  - How much is a 24 pack of Coke?
  - The price of Coke is: $7.99
  - Thank you
  - You're welcome!
Location Prompt
What’s left to do?

• Integrate the bot with bluebird devices
• Connect the bot to competitor price web app
• Query database for store locations
• Generate more LUIS training data
• Finish frontend to display product data
• Integrate with mPerks
• Add user location prompt to iOS app
Questions?