Alpha Presentation
Meijer Smart Shopper
The Capstone Experience

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Project Overview

• Proof of concept
• Implement Alexa with standalone Meijer app
• ‘Hey Alexa, add bread to my meijer shopping cart’
• Support user profiles
  ▪ Favorites
  ▪ Coupons
• iOS, Android and web
System Architecture

Alexa Voice Services
- Process Voice Data
- Capture Intent

Azure Function App
- Determine Intent
- Form Alexa Response
- Update Database

Azure Database
- Customer Table
- Shopping List/Cart Tables
- Coupons Table
- Product Table

Alexa Device

Website
- Android App
- iOS App
Android Search Catalog
Website Cart
iOS Cart

Cart
- Vital Farms Pasture Raised Dozen Eggs
  - Quantity: 1
  - $2.89
- Silk Vanilla Soymilk, 1/2 gal
  - Quantity: 1
  - $4.29
- Red Potatoes
  - Quantity: 1
  - $2.89
- Emerald Squash
  - Quantity: 1
  - $3.00
- Aloha Pepper
  - Quantity: 1
  - $3.00
- Bok Choy
  - Quantity: 1
  - $3.00
- Pomegranate
  - Quantity: 1
  - $3.00
Android Cart
What’s left to do?

• Account Linking
  ▪ Connect account on our app to Alexa account
  ▪ Implement favoriting items
  ▪ Implement mPerks (coupons)

• Build out more Alexa interactions
  ▪ Conversations, not commands

• Polish UI
Questions?