Alpha Presentation
Intelligent Shopping List

The Capstone Experience

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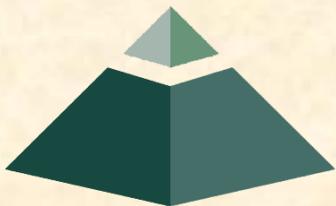
Project Overview

- Create a personalized shopping list based on a customer's previous purchases
  - Editable with add and delete item buttons
- Provide an opt-in shipping service that will deliver items directly to customers homes
  - Suspend and resume feature
- Design a web application that provides back end administrative functionalities for Meijer employees

System Architecture
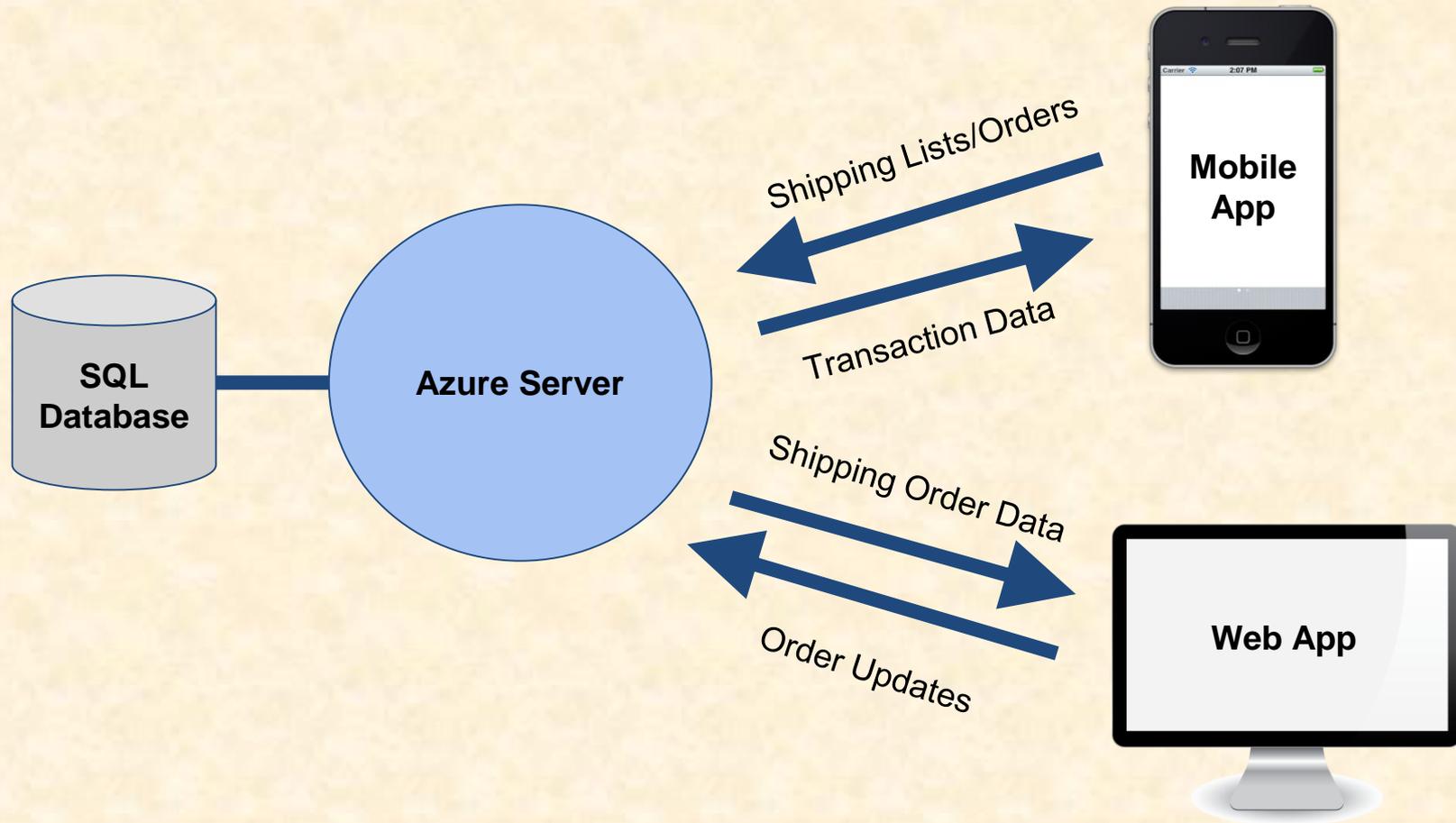
Shopping List Algorithm

- Currently returns any item the user has bought more than once on a weekly basis from the current day
- Organize data into dictionary with product as key and a list of transactions where that product was purchased as value
- Using this dictionary to break the data into weekly, monthly, and yearly patterns
  - Put together list based on these patterns and the current date

Web Application - Order History

Web Application - Home Page
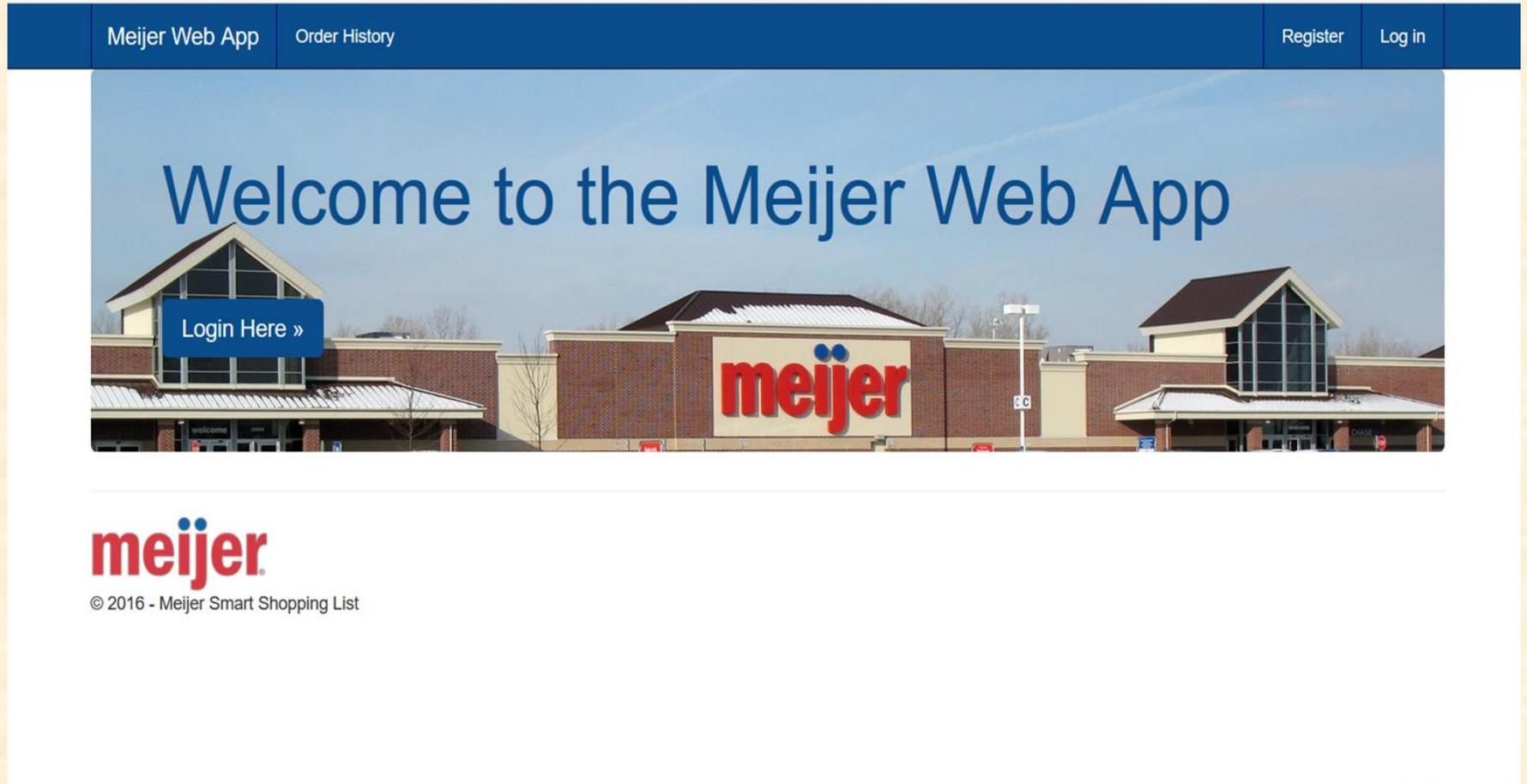
Web Application - Order Details

Web Application - Edit Order

Mobile Application
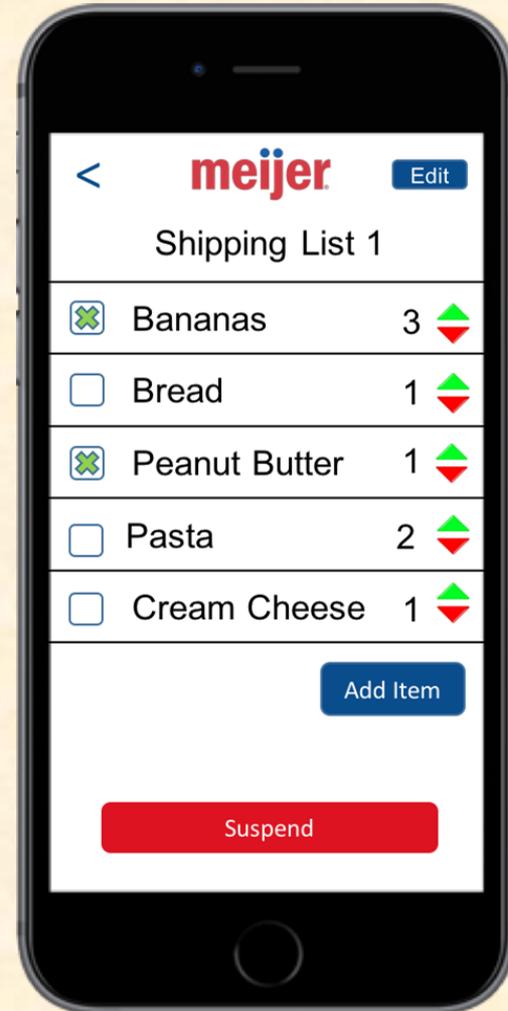
What's left to do?

- Mobile Application
  - Optimize the shopping list algorithm
  - Create shopping and shipping list manager page
  - Shipping Order specification page
- Web Application
  - Add more information to order detail page
    o Customer Information
    o Items ordered
  - Implement the search bar on order history page

Questions?

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