Project Overview

• Mobile Application
  ▪ Scans item barcode
  ▪ Compares Meijer price to other third party store prices
  ▪ Generates a coupon to make up for price difference
  ▪ Store results on server

• Web Interface
  ▪ For Meijer analysts to see what items are scanned often
  ▪ Price differences between Meijer and competition
  ▪ Graphs and tables visualizing various data
System Architecture

Mobile App
- Xamarin

3rd Party Services
- Best Buy
- Amazon
- Kmart
- Sears
- Walmart

Web Services

Server
- Microsoft
- Azure SQL Server

Website
- ASP.net
- HTML5
- C#
- nvd3.js
Mobile Login Screen
Mobile Scan Screen

[Image of a mobile scan screen with options to scan or enter UPC manually.]
Mobile Results Screen

2013 Rose Bowl
Presented By Vizio -
Stanford Vs. Wisconsin
(Blu-ray + DVD)

$16.29

Amazon.com
$12.94

Walmart
$16.29

CLICK FOR COUPON
Web Login Page
Web Admin Page

Register New User:

Name
Password
Create
Web Graphs Page: Pie Chart
### Web Scans Page

#### Scans

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What’s left to do?

• More tables and graphs
• Minor UI tweaks