

**MICHIGAN STATE**  

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**U N I V E R S I T Y**

**Beta Presentation**  
**In-Store Price Compare**  
**The Capstone Experience**

**Team Meijer**

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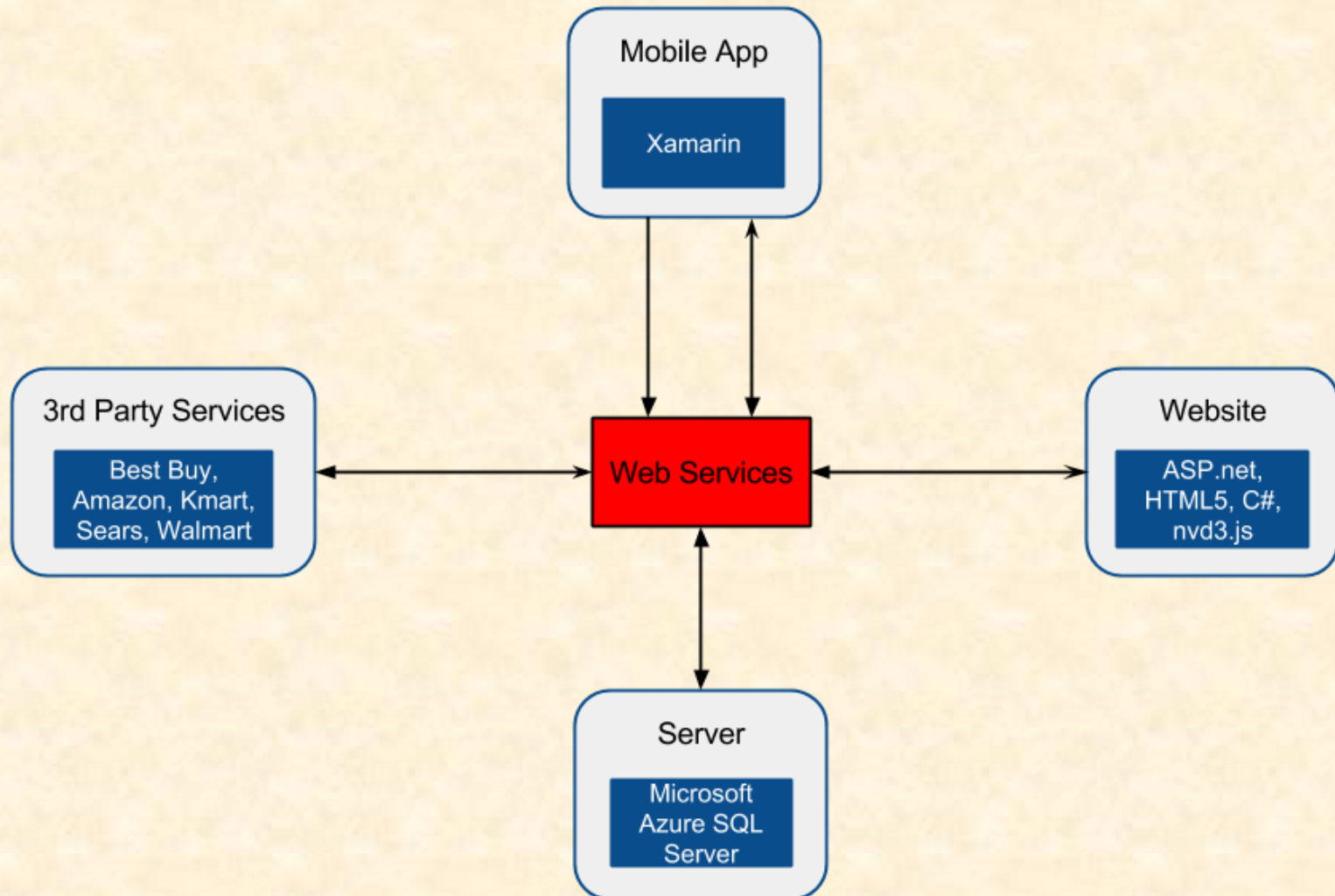
*From Students...*  
*...to Professionals*

# Project Overview

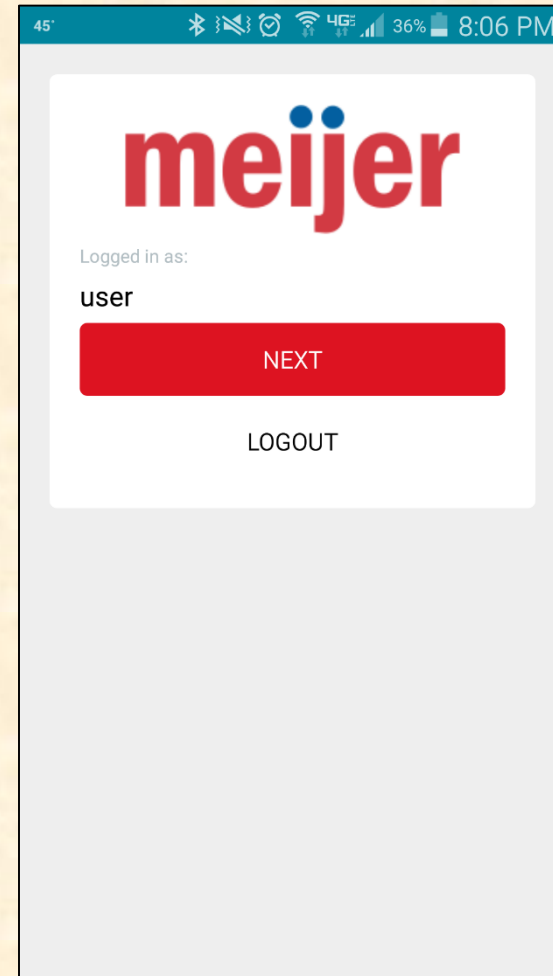
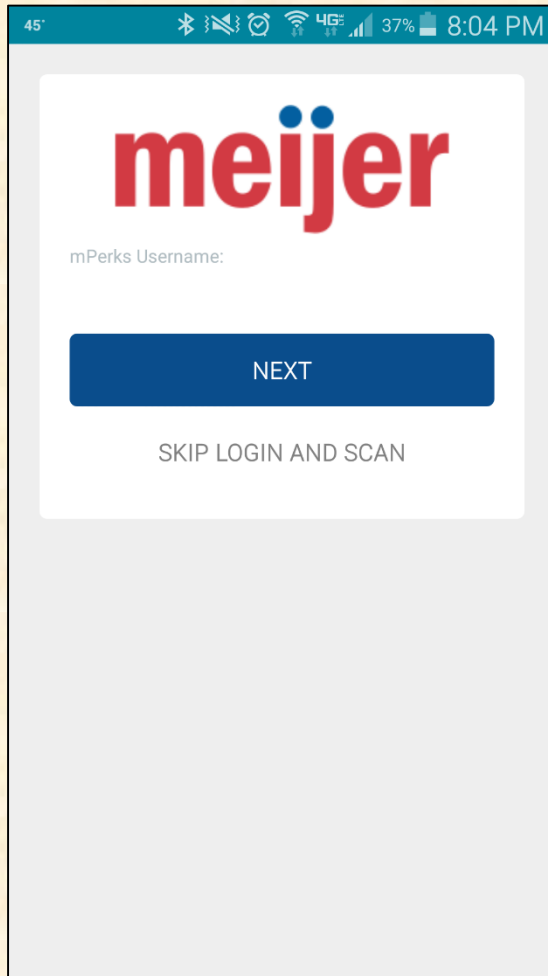
- Mobile Application
  - Scans item barcode
  - Compares Meijer price to other third party store prices
  - Generates a coupon to make up for price difference
  - Store results on server
- Web Interface
  - For Meijer analysts to see what items are scanned often
  - Price differences between Meijer and competition
  - Graphs and tables visualizing various data



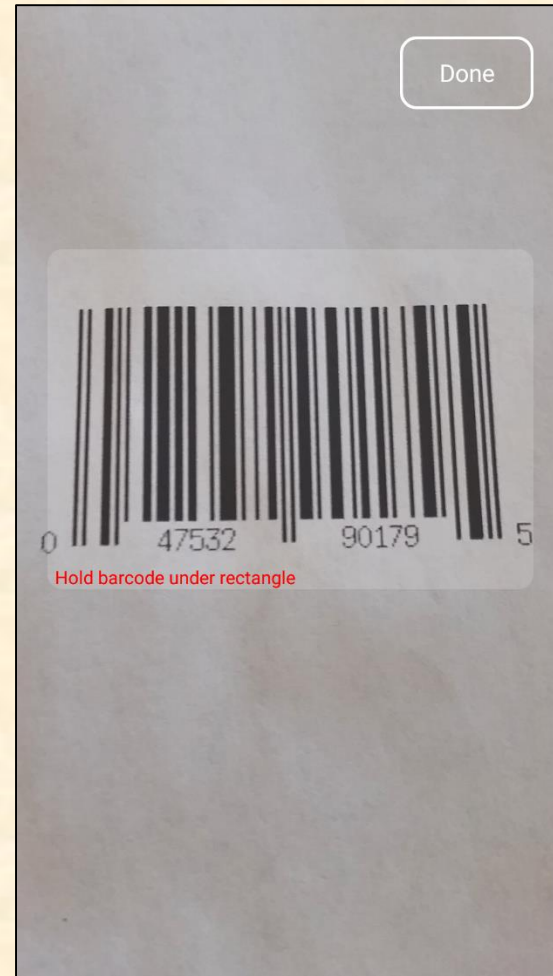
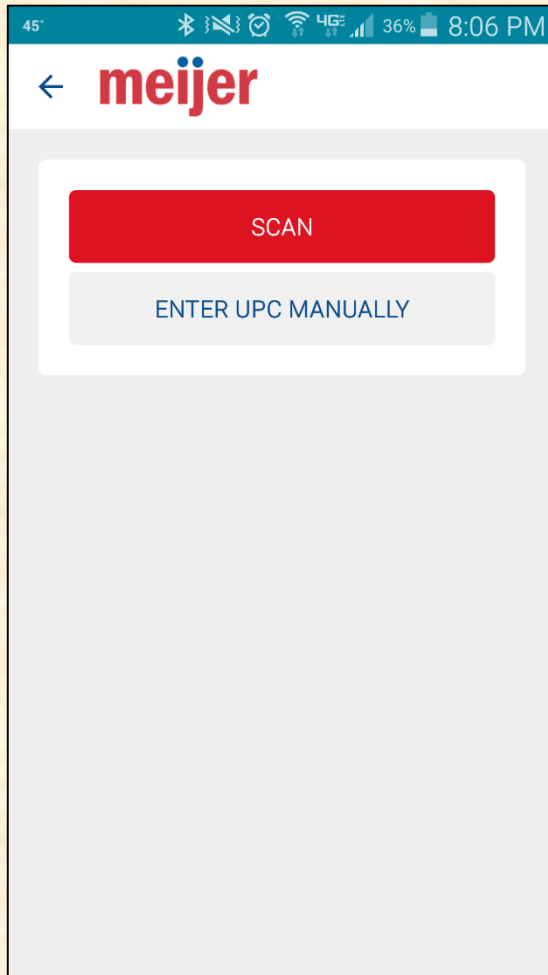
# System Architecture



# Mobile Login Screen



# Mobile Scan Screen




# Mobile Results Screen

The screenshot shows a mobile application interface for Meijer. At the top, there is a status bar with the number 45, various icons (Bluetooth, Wi-Fi, cellular signal, battery), and the time 8:07 PM. Below the status bar is a navigation bar with a back arrow and the Meijer logo. The main content area displays a product listing for the '2013 Rose Bowl Presented By Vizio - Stanford Vs. Wisconsin (Blu-ray + DVD)'. The product image shows a football game. Below the product name, the Meijer logo is displayed next to the price \$16.29. A section titled 'Other Prices' lists competitors: Amazon.com at \$12.94 and Walmart at \$16.29. At the bottom, there is a barcode and a button labeled 'CLICK FOR COUPON'.

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← **meijer**


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

**meijer** \$16.29

Other Prices

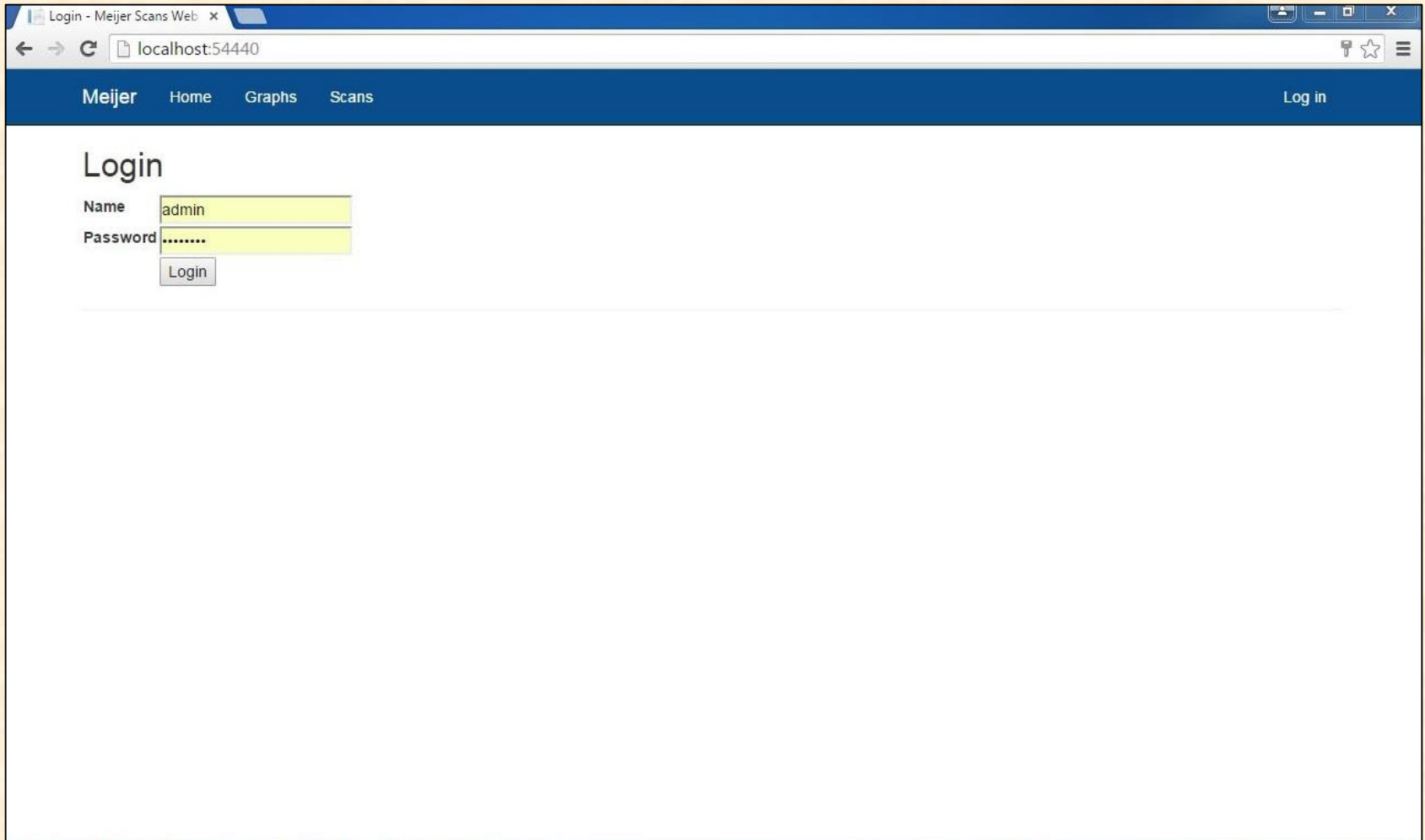
**amazon.com** \$12.94

**Walmart** \$16.29

 **CLICK FOR COUPON**



# Web Login Page



The screenshot shows a web browser window with the following elements:

- Browser Tab:** Login - Meijer Scans Web
- Address Bar:** localhost:54440
- Navigation Bar:** Meijer Home Graphs Scans Log in
- Page Title:** Login
- Form Fields:**
  - Name:** Input field containing the text "admin".
  - Password:** Input field containing seven dots ".....".
- Submit Button:** A button labeled "Login" positioned below the password field.



# Web Admin Page

Register - Meijer Scans W x

localhost:54440/Register/Register

Meijer Home Graphs Scans

Hello admin! Admin Log off

## Register New User:

Name

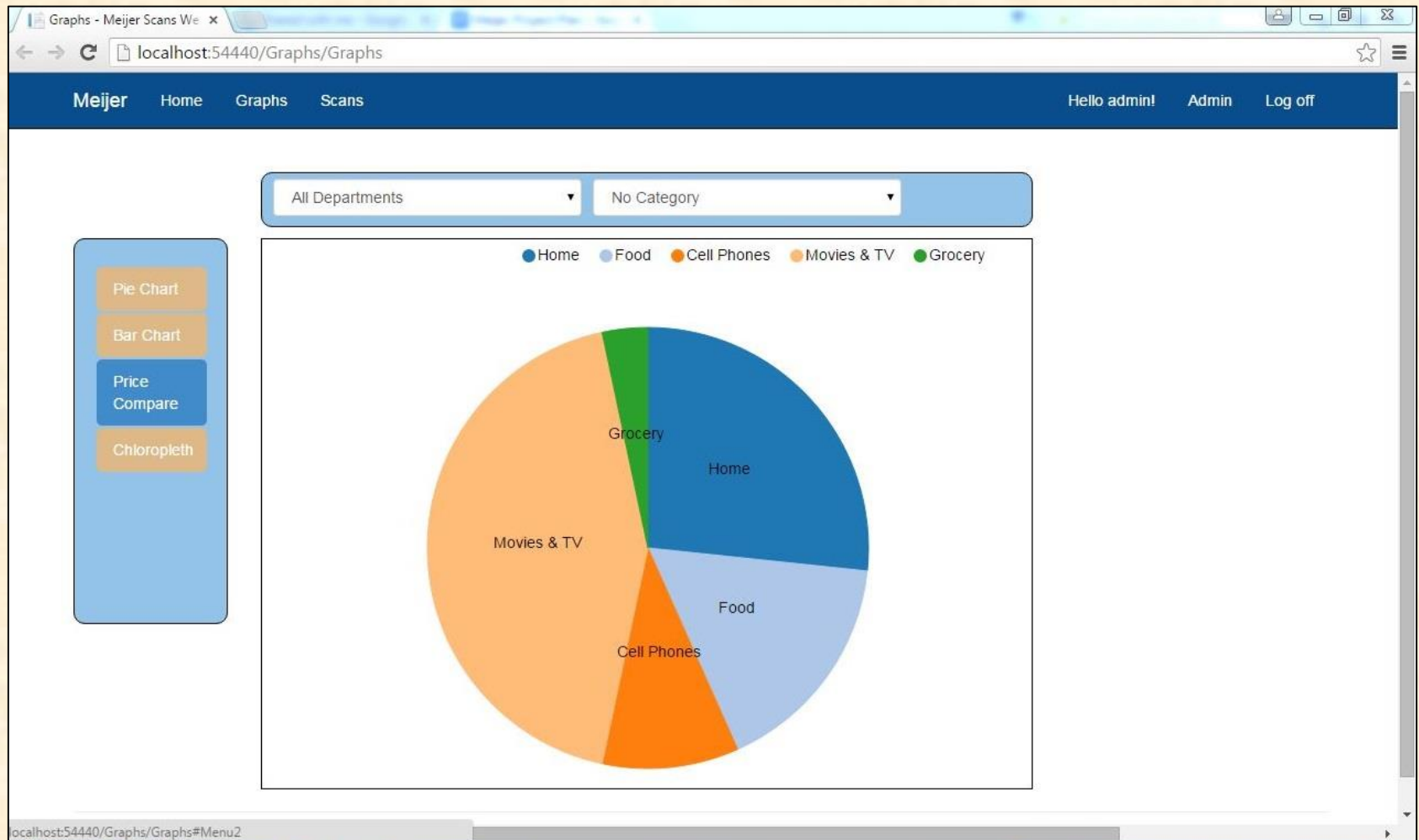
Password

Create





# Web Graphs Page: Pie Chart



# Web Scans Page

Meijer Home Graphs Scans Hello admin! Admin Log off

### Scans

No	UPC	UserId	Store	Datetime	MeijerPrice	AmazonPrice	WalmartPrice	BestBuyPrice
1	047532901795		0	11/4/2015 9:17:19 PM	77.63	80	77.63	0
2	810532022445		0	11/4/2015 9:20:20 PM	0	17.76	0	14.99
3	077975029688		0	11/4/2015 9:20:33 PM	2.98	35.76	2.98	0
4	810532022445		0	11/4/2015 9:21:00 PM	0	17.76	0	14.99
5	712475393661		0	11/4/2015 9:21:06 PM	401.49	159.99	401.49	0
6	712475393661		0	11/4/2015 9:21:08 PM	401.49	159.99	401.49	0
7	825452510675	2	49	11/4/2015 9:29:59 PM	16.29	13.15	16.29	17.99
8	077975029688		0	11/4/2015 9:31:07 PM	2.98	35.76	2.98	0
9	047532901795		0	11/4/2015 8:13:52 PM	77.63	0	77.63	0
10	825452510675	2	52	11/5/2015 7:39:43 PM	16.97	13.14	16.97	17.99
11	012000158056		0	11/5/2015 7:47:03 PM	0	3.402823E+38	0	0
12	012000158056		0	11/5/2015 7:49:48 PM	0	3.402823E+38	0	0
13	012000158056		0	11/5/2015 7:50:02 PM	0	0	0	0
14	052000102475		0	11/5/2015 7:50:51 PM	0	0	0	0
15	825452510675	2	49	11/5/2015 7:51:32 PM	16.97	13.14	16.97	17.99
16	825452510675	2	49	11/5/2015 8:01:52 PM	16.97	13.14	16.97	17.99
17	047532901795		52	11/5/2015 8:14:30 PM	77.63	88.51	77.63	0
18	052000102475		239	11/5/2015 8:16:43 PM	0	0	0	0



# What's left to do?

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- More tables and graphs
- Minor UI tweaks

