

**MICHIGAN STATE**  
**UNIVERSITY**

# Alpha Presentation IT Metrics Repository

The Capstone Experience

Team Meijer

Anthony Cromartie

David Culham

Bobak Shahidehpour

Department of Computer Science and Engineering

Michigan State University

Spring 2013



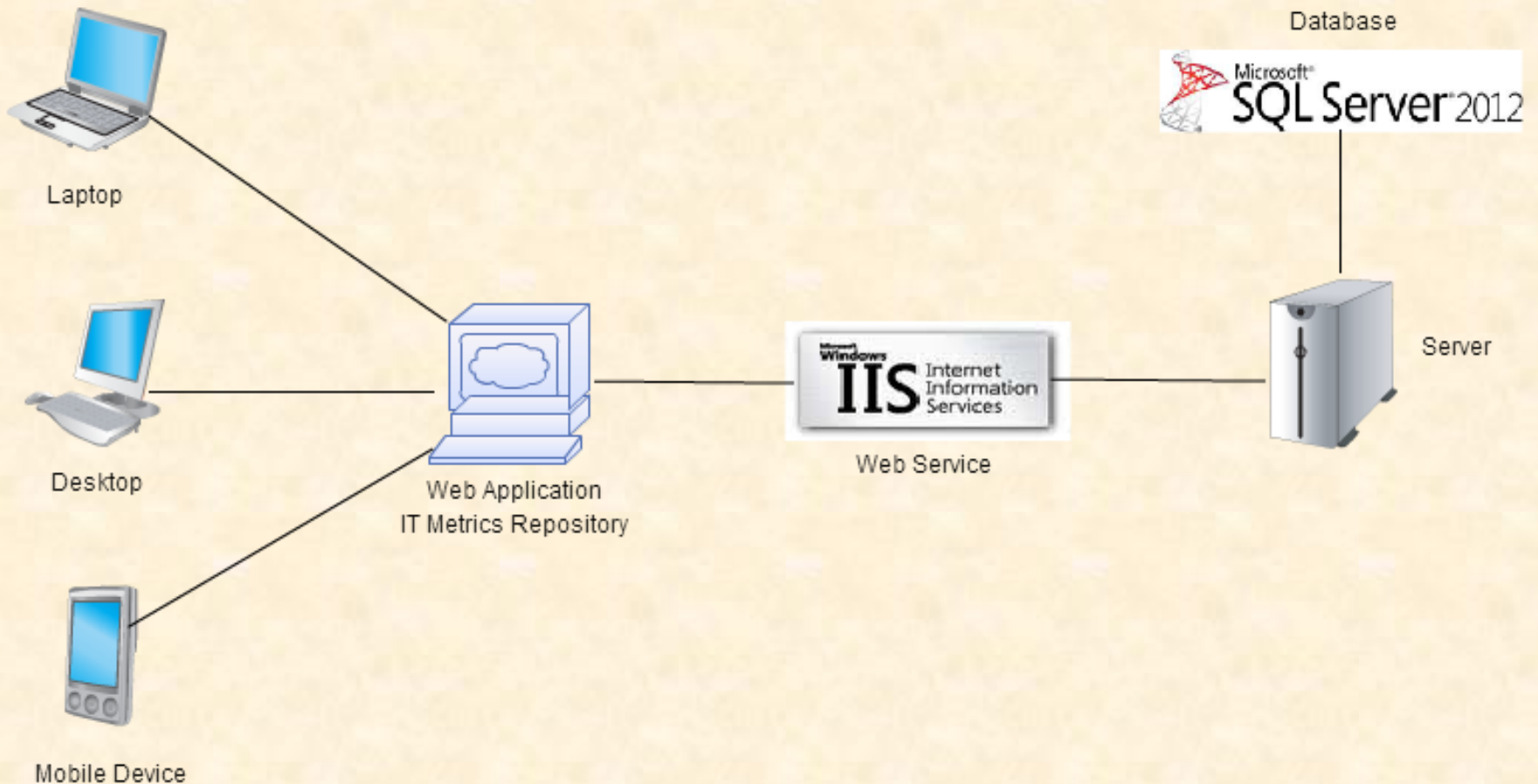
*From Students...  
...to Professionals*

# Project Overview



- Metrics - standard of measurement
  - Provides insight on performance compared to...
    - Industry standards
    - Company goals
- Provide Meijer's IT with a means of storing and accessing customizable sets of data

# System Architecture



# Create A Metric



**meijer**

Report | Create | Update | Remove

Create Metric | Create Goal

### CREATE METRIC

**Metric**

Metric Name:

Description:

Owner:

Data Type:

**Data**

Value:

Start Year:  Period:

End Year:  Period:



# View Metric Report



[Report](#) [Create](#) [Update](#) [Remove](#)

Report

## VIEW REPORT

### Select Metric

Metric:

Start Year:  Period:

End Year:  Period:

### Selected Metrics

Metric Name	Start Year	Start Period	End Year	End Period
Budget	2008	1	2012	13
Expenses	2008	1	2012	13
Income	2008	1	2012	13

Add Metric

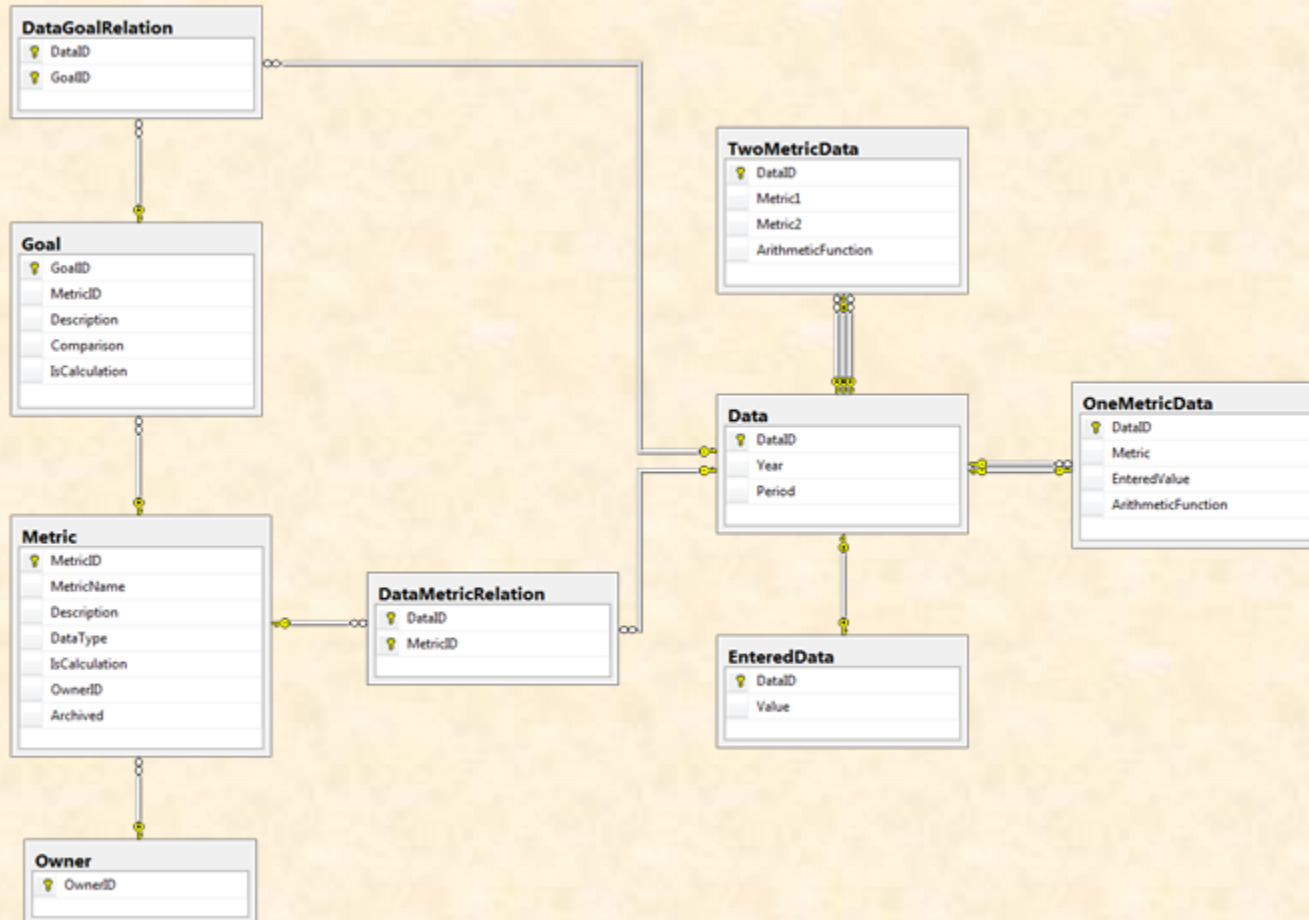
Generate Report



# Example Report



# Database Design



# What's left to do?



- Reporting
  - For multiple metrics
  - Formatting
- Certain interactions between application and database
  - Update
  - Metrics from calculations
  - Goals
  - Remove
- User roles / login
- Import metrics from Excel
- Mobile Compatibility

