

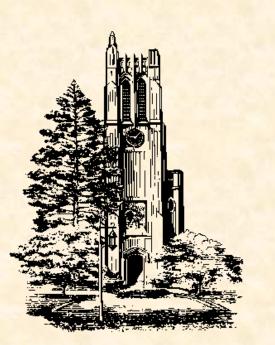
# Project Plan ITS Dashboard

Team 4. Meijer CSE 498, Collaborative Design

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#### **Project Overview**

#### The Problem:

- Meijer would like a way to visualize their IT
   Services employee statistics
- Current System cluttered and difficult to work with

#### The Solution:

 We design a SharePoint based dashboard which trends and gauges data based on department standards.



## **Functional Specifications**

#### Trending

 Line graphs to show performance over multiple periods of time

#### Drill Down

 Navigate through hierarchy to view statistics at each level

#### Stop Lighting

 Used as a Key Performance Indicator (KPI) to represent progress towards specified goals

#### Excel Loader

Load data into SQL server database

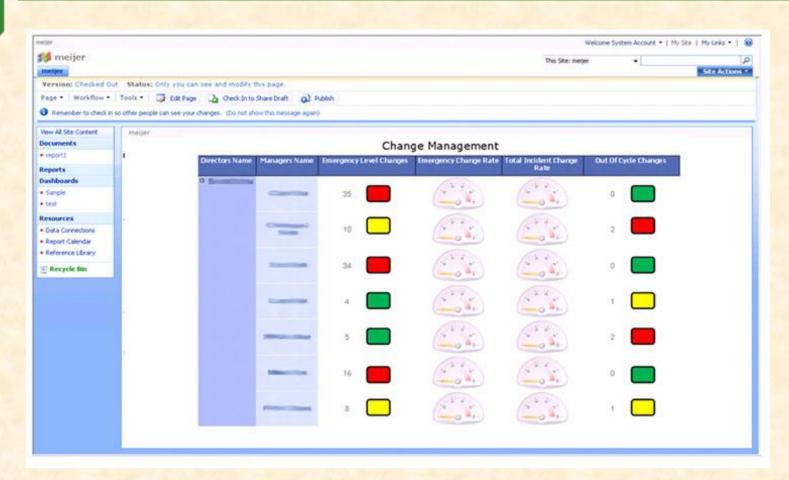


## Design Specifications

- Informative Display
  - Managers can see how they are performing compared to others
- Simple Navigation
  - Should be easy to navigate through
  - Not cluttered, get to the point
- Use Cases:
  - Director viewing performance of their managers
  - Managers viewing their own performance

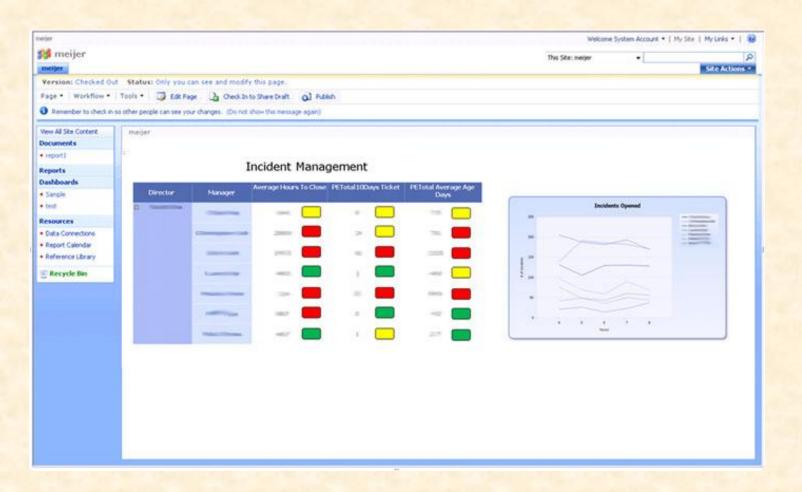
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#### Screen Mockups





## Screen Mockups





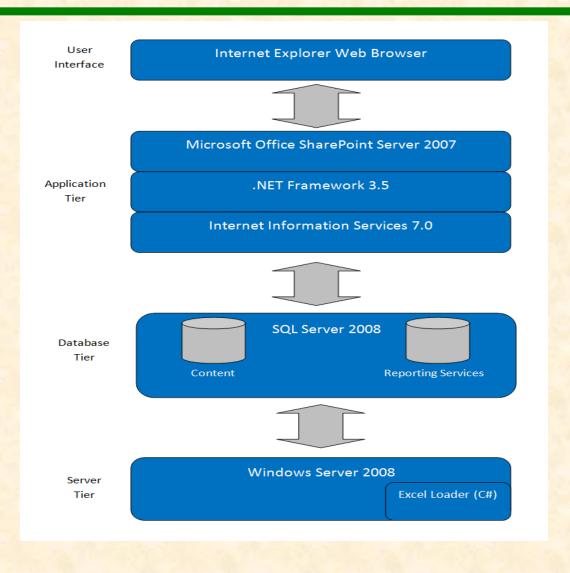
## Technical Specifications

- Normalization of Data from BMC Remedy
- Database schema
- ASP .NET Customization
  - Chart control
  - LINQ
- Integrate SQL Server 2008 Reporting Services viewer with SharePoint

# Team 4: Meijer

#### Architecture Illustrated







## System Components

- Hardware Platforms
  - Internet Explorer 7.0 or higher
- Software Platforms / Technologies
  - Windows Server 2008
  - Visual Studio 2008 (C#, ASP.NET)
  - Microsoft Office SharePoint Server 2007
     Enterprise
  - Microsoft SQL 2008
  - Microsoft SQL Reporting Services





## **Testing**

- Unit Testing
  - Test individual functions within the Excel Loader
- Mock Subjects
  - Test the dashboard's visual layout using mock subjects