

MICHIGAN STATE
UNIVERSITY

Project Plan

Chief Information Officer Dashboard

The Capstone Experience

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Fall 2013



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

Project Overview

- Chief Information Officer Dashboard is a web page for CIO and ITS Leaderships
- Provides the current status of the company
 - Level 1 – Simple Graphical Representation
 - Level 2 – Detailed Information
- Project Objectives
 - Inform status of the company for the decision makers
 - Can access both brief overview and detailed information
 - Enable leaders to respond to issues quickly



Functional Specifications

- Generate Graph
 - From spreadsheet reports

- Drill Down
 - View source data on click
 - Level 1 and 2



Functional Specifications

- Generate Graph

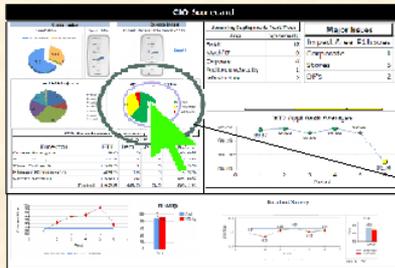
- Translate spreadsheet data into graphical representation.



Functional Specifications

- Drill Down

- Navigate to level-2 page when section is clicked on



2013 CAPITAL BUDGET - BUSINESS AREA TOTALS			2013 CAPITAL BUDGET - BUSINESS AREA TOTALS		
I.T.S.	CURRENT BUDGET	SAVAIL TO COMMIT	I.T.S.	CURRENT BUDGET	SAVAIL TO COMMIT
Infrastructure Operations	\$0	\$0	Retail Systems	\$0	\$0
ITS Business Office	\$0	\$0	Shopper Marketing	\$0	\$0
ITS Contingency	\$0	\$0	Shrink	\$0	\$0
I.T.S. Total	\$0	\$0	SMART	\$0	\$0
			Supply Chain	\$0	\$0
BUSINESS AREAS - Non-Projects			BusinessAreas Projects Total	\$0	\$0
Distribution	\$0	\$0			
Business Areas Non-Projects Total	\$0	\$0	GRAND TOTAL I.T.S.	\$0	\$0
BUSINESS AREAS - Projects					
B2B / Manufacturing	\$0	\$0			
Corp Applications	\$0	\$0			
Finance	\$0	\$0			
Human Resources	\$0	\$0			
Information to Action	\$0	\$0			
Logistics	\$0	\$0			
Marketing	\$0	\$0			
Merch/Replenishment	\$0	\$0			
Mktng & Adv Systems	\$0	\$0			
OnLine Selling	\$0	\$0			
Pricing	\$0	\$0			
Properties	\$0	\$0			

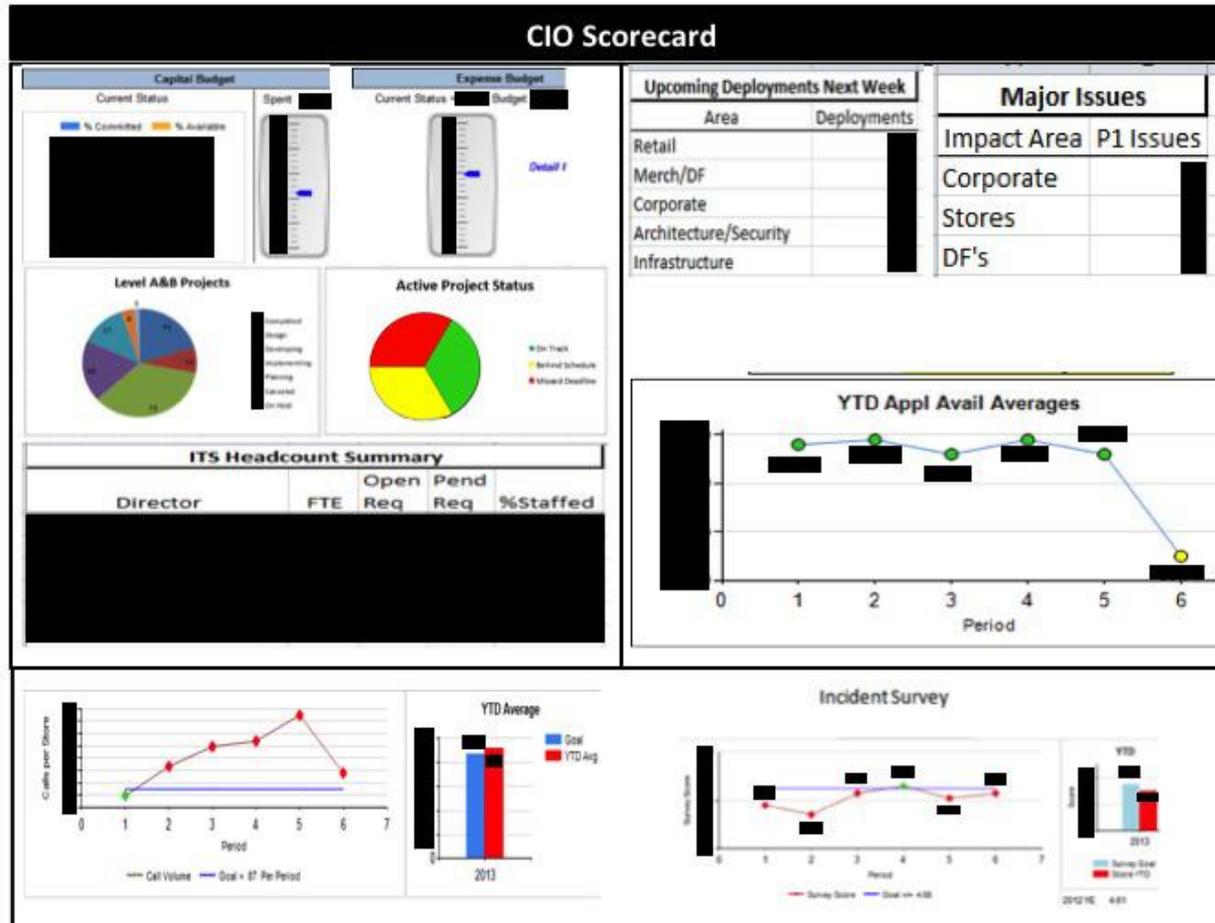


Design Specifications

- Front Page
- Drill Downs
 - Budgets
 - Project Status
 - Upcoming Developments
 - Active Issues Tracker
 - Availability
 - Incident Survey



Screen Mockup: Initial Plan



Screen Mockup: Drill Down View

Upcoming Deployments

←

Area

- Retail
- Merch/DF
- Corporate
- Enterprise Architecture/Security/Business Management
- Infrastructure

Deployments Next Week

Deployment	System	Deployment Date	Impact Level
Deployment 1	System 1	09/20/13	Low
Deployment 2	System 2	09/24/13	Medium
Deployment 3	System 1	09/26/13	Medium



Screen Mockup: Drill Down View



Current Budget Status

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BUSINESS AREAS - Projects			BUSINESS AREAS - Projects		
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Corp Applications	\$0	\$0	Corp Applications	\$0	\$0
Finance	\$0	\$0	Finance	\$0	\$0
Human Resources	\$0	\$0	Human Resources	\$0	\$0
Information to Action	\$0	\$0	Information to Action	\$0	\$0
Logistics	\$0	\$0	Logistics	\$0	\$0
Marketing	\$0	\$0	Marketing	\$0	\$0
Merch/Replenishment	\$0	\$0	Merch/Replenishment	\$0	\$0
Mktng & Adv Systems	\$0	\$0	Mktng & Adv Systems	\$0	\$0
OnLine Selling	\$0	\$0	OnLine Selling	\$0	\$0
Pricing	\$0	\$0	Pricing	\$0	\$0
Properties	\$0	\$0	Properties	\$0	\$0
Retail Systems	\$0	\$0	Retail Systems	\$0	\$0
Shopper Marketing	\$0	\$0	Shopper Marketing	\$0	\$0
Shrink	\$0	\$0	Shrink	\$0	\$0
SMART	\$0	\$0	SMART	\$0	\$0
Supply Chain	\$0	\$0	Supply Chain	\$0	\$0
Business Areas Projects Total	\$0	\$0	Business Areas Projects Total	\$0	\$0
GRAND TOTAL I.T.S.	\$0	\$0	GRAND TOTAL I.T.S.	\$0	\$0

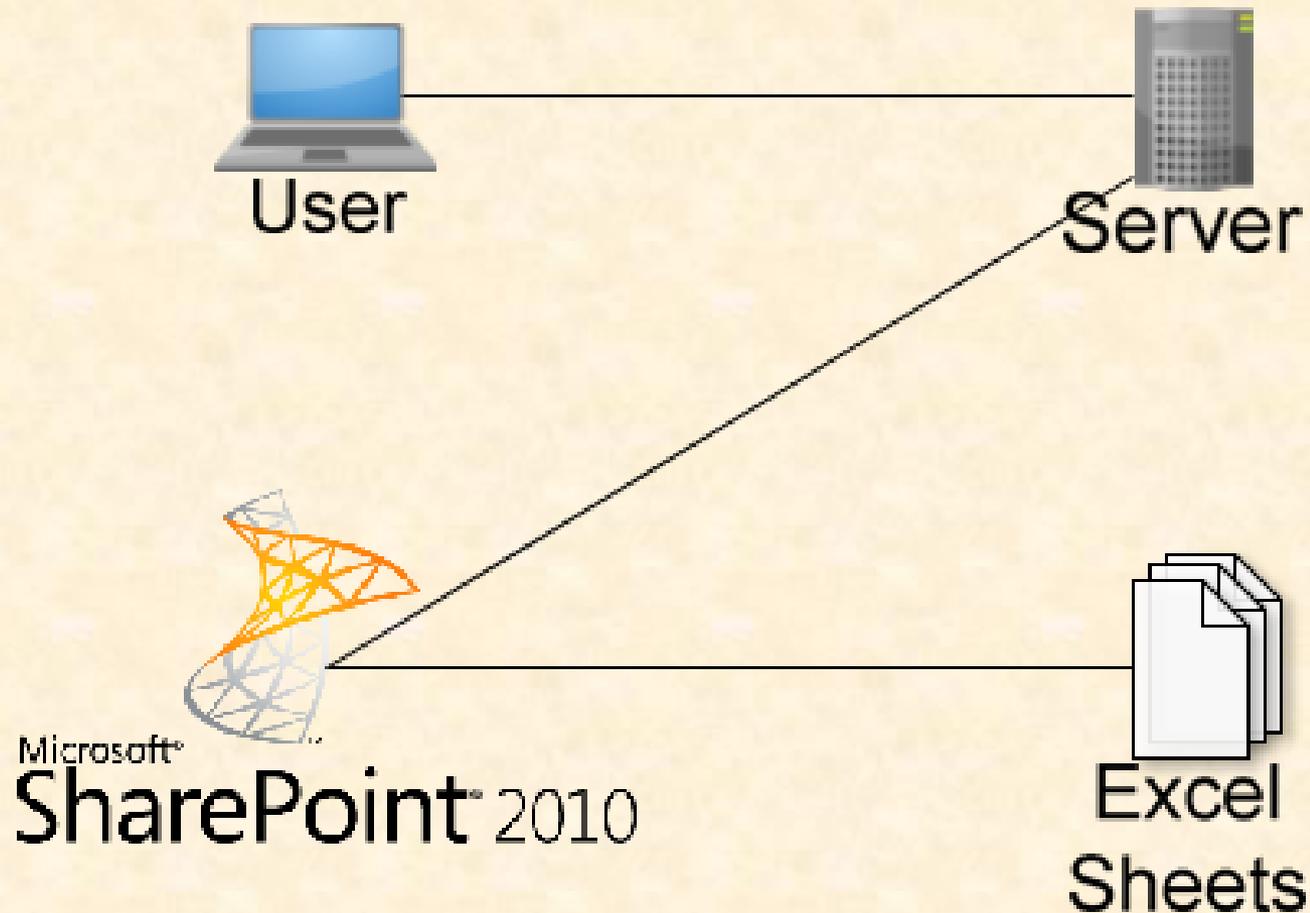


Technical Specifications

- Microsoft Server 2008 r2
- Site based on Sharepoint
 - Written with C#, HTML
- Data extracted from excel sheets
- .NET libraries to produce charts



System Architecture



System Components

- Hardware Platforms
 - Dell server hosts data and project
 - iMac and personal computers are dev platforms
 - iMac, PC's, and tablets act as test beds
- Software Platforms / Technologies
 - Windows Server 2008 r2
 - Website based on Sharepoint
 - Developing with VS 2010 and SharePoint Designer
 - VisualSVN hosts project



Testing

- Generate several different sample Excel inputs
- Ensure expected behavior with each addition
- Run with several desktop and mobile browsers



Risks

- Some lack of experience with ASP.NET
 - Two members have some experience, two have none
 - Will work together early to answer questions, access resources
- No experience with SharePoint
 - Team has never used SharePoint, which is the basis for the website
 - Using informational resources to learn SharePoint
- Lack of business logic and SSRS experience
 - Unfamiliar with some financial terms, concepts
 - Need to discuss requirements in detail with client
- Corporate data unavailable
 - Can't access Meijer databases, uncertainty of correct output data
 - Generate data, specify desired data models, confirm with client

