

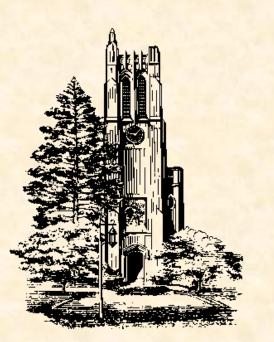
Project Plan Manufacturing Dashboard (Warren Plant)

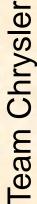
Team Chrysler CSE 498, Collaborative Design

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Spring 2010







Project Overview

- Redesign existing manufacturing dashboard
- Display performance data in a cleaner and more maintainable way
- Allow for easy updatability for all users
- Create news feed that also can be easily updated



Functional Specifications

- Display Warren Manufacturing Dashboard with SharePoint technology
- All features will be organized using tabs and sub-tabs for easier navigation.
- Dashboard will initially consist of three tabs
 - News View
 - Downtime Reports
 - Summary/Manager's View



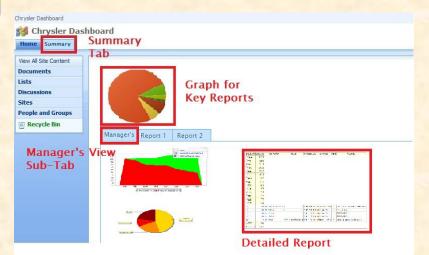
Design Specifications

- Warren Dashboard will populate its data from a database containing performance data
- News View
 - Display Overall News of Plant, as well as more sub-categorical news sections
- Downtime Reports
 - Displays Downtime Broken Down In a Variety of Ways
- Summary/Manager's View
 - Display Graphical Summary of Reports



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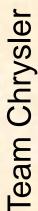
Screen Mockups



Summary/Manager's View Mockup
(above)

Warren Stamping Plant News View (below)

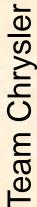






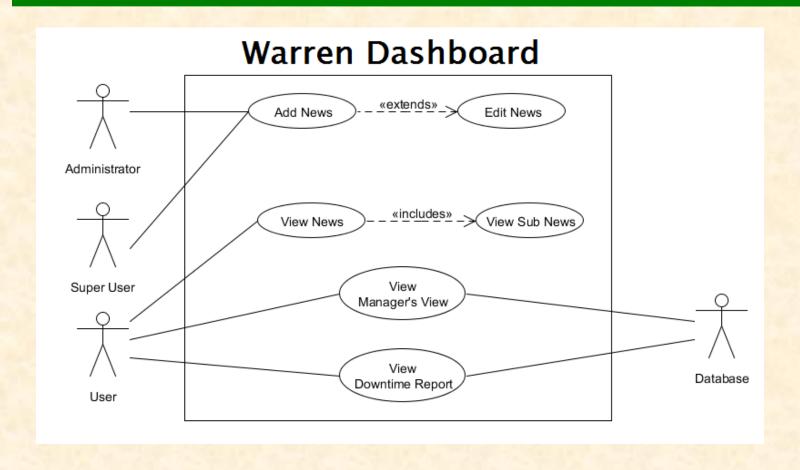
Technical Specifications

- All Tabs' Reports Are Populated Dynamically From The Database
- Reports Are Interactive Users Can "Drill Down" To Get More Detailed Reports
- Hierarchical Permissions Allow Users At The Plant Level To Manage Their News
- News Is Managed Separately From Reports





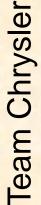
Architecture Illustrated





System Components

- Hardware Platforms
 - Windows PC
 - Windows Server
- Software Platforms / Technologies
 - Server OS: Windows 2003 Enterprise Edition SP 2
 - Web Server: Internet Information Services (IIS)
 - Database: Sybase (ASE 15.5)
 - IDE: Visual Studio 2008
 - Source Control: Visual SVN Server 2.1
 - Server Tools: Office SharePoint Server 2007





Testing

- Selenium IDE
 - Good for web testing
 - Implementation in future
- Two weeks allotted for final testing
- Manual testing throughout development



Risks

- SharePoint
 - How to use SharePoint
 - Someone is taking the primary responsibility
- Getting Access to the System We're Redesigning
 - Restricted access to outside users
 - Arranging limited login access
- Integration with Client Data
 - Mirroring client's data setup for our use
 - Client supplying DB structure, Team member will manage
- User Interface
 - Redesigning infrastructure while maintaining functionality
 - Close communication with the client