

MICHIGAN STATE UNIVERSITY

01/25: Team Status Reports



CSE 498, Collaborative Design

Wayne Dyksen
Department of Computer Science and Engineering
Michigan State University
Spring 2010

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Team Auto-Owners

Status Report (1 of 4)




- Project Definition
 - History of weather info for a given location
 - Login based customization
 - Data preservation
 - WSRP (Web Services for Remote Portlets)
- Project Plan Document
 - Started functional, design, and technical specifications
 - Finished System Components
 - Listed our risks
 - Continuing work on document

Team Auto-Owners

Team Auto-Owners

Status Report (2 of 4)



- Server Systems / Software
 - Setup Windows Server 2003 with ASP.NET MVC
 - Setup git SCM
- Development Systems / Software
 - Setup Windows 7 with ASP.NET MVC
 - Setup git SCM
- Web Site
 - Updated with project information
 - <http://autoowners.cse498.cse.msu.edu/>

Team Auto-Owners

Team Auto-Owners

Status Report (3 of 4)




- Client Contact
 - Face to Face meeting on Jan 18
 - Weekly conference calls Mondays from 2:30-3:00
- Team Meetings
 - Distributed tasks and roles with deadlines
- Team Organization
 - Evan Dontje: Customer Contact
 - Joe Lockard: Developer
 - Edward Waller: Project Manager

Team Auto-Owners

Team Auto-Owners

Status Report (4 of 4)




- Risks
 - WSRP
 - Glue together our portlet with Auto Owner's portal
 - Can mock it out for now
 - Ranking Weather Services
 - Determine accuracy of information from weather services
 - Can ask for Auto Owner's experience
 - Extrapolation of Weather Data
 - Determine weather between reported weather events
 - Can guess with midpoint formula of coordinates
 - Weather APIs
 - Each weather station has a different weather API
 - Pick most important and try to query them now

Team Auto-Owners

Team Boeing

Status Report (1 of 4)




- OSG Plug-in
 - XML Texture Composition capability
 - Dynamically add inset to terrain inside location
 - Testing in multiple environments
- Project Plan Document
 - Cover Page
 - Functional Specifications
 - Some Design Specifications
 - To do:
 - Technical Specifications
 - Mock-ups

Team Boeing

Team Boeing

Status Report (2 of 4)




- Server Systems / Software
 - Ubuntu 9.10
 - SVN
 - Web Page/Apache Server
- Development Systems / Software
 - Windows 7/Visual Studio 2005
 - OSG 282/281
 - SVT Plug-in
- Web Site
 - <http://cse498t02s.cse.msu.edu/>
 - Template Outline Complete

Team Boeing

Team Boeing

Status Report (3 of 4)




- Client Contact
 - Weekly Conference Calls Friday at 11:00am
- Team Meetings
 - Weekly meetings - Mon/Wed 4:15 – 5:00
- Team Organization
 - Jessica Parks: Client Contact, PM
 - Marc Coleman: Design
 - Jeremiah Cunningham: System Admin
 - Jonathan Harris: Webmaster
 - Development & Testing: ALL MEMBERS

Team Boeing

Team Boeing

Status Report (4 of 4)




- Risks
 - Embedded XML Shaders
 - Parsing GLSL code/SVT processing
 - Priority-based Texture layering
 - Menu options for features in OSG and SVT
 - How will the menu item be put into the application
 - Research last semester's menu items
 - Caching images from hard disk
 - Time wasted saving textures to disk for multiple textures
 - Research caching with OSG and SVT
 - System Requirements/Performance
 - Performance rate/hardware restrictions

Team Boeing

Team Chrysler

Status Report (1 of 4)




- Project Definition
 - Create Manufacturing Dashboard
 - Using SharePoint instead of primitive design
 - Data from SyBase and UDB databases
 - Display status reports, news updates, etc..
- Project Plan Document
 - Functional Spec: 100% Done
 - Design Spec: 0% Done. Will be done by Jan. 27
 - Technical Spec: 0% Done. Will be done by Jan. 29
 - Polishing: 0% Done. Will be done by Jan. 30
 - Presentation: 50% Done. Will be done by Jan. 31

Team Chrysler

Team Chrysler

Status Report (2 of 4)



- Server Systems / Software
 - Server OS installed
 - SharePoint Server Installed
- Development Systems / Software
 - Visual Studio 2008 installed
 - SharePoint Designer Installed
- Web Site
 - Web site is up
 - SharePoint can be accessed through the web

Team Chrysler

Team Chrysler

Status Report (3 of 4)




- Client Contact
 - Phone Conference / Web Conference
 - On-site Visit
- Team Meetings
 - Fridays at 5 PM - ?
 - Mon/Wed 4 to 5:30 with Client
- Team Organization
 - Alex Walworth, Program Manager
 - Ben Pedersen, Client Contact
 - Jun Lee, Web Master
 - Jong (Jacob) Jang, System Administrator

Team Chrysler

Team Chrysler

Status Report (4 of 4)




- 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

Team Chrysler

Team GE Aviation

Status Report (1 of 4)




- Project Definition
 - Lateral Map Display
 - Written in C, using OpenGL
 - Customizable display options (layers, etc)
 - Utilizes TCP/UDP for data transport
- Project Plan Document
 - Came up with a rough outline
 - Made a cover page
 - Table of contents
 - Headers and footers

Team GE Aviation

Team GE Aviation

Status Report (2 of 4)




- Server Systems / Software
 - Debian 5.0 installed and running
 - Apache, samba, openssh, subversion
- Development Systems / Software
 - X-Plane 9.0
 - Visual Studio 2005 / 2008 (C++, OpenGL)
- Web Site
 - Site is up and running
 - Filled in basic information for most pages

Team GE Aviation

Team GE Aviation

Status Report (3 of 4)




- Client Contact
 - Answered several questions through emails
 - Conference call this week
 - New contact: Dashiell Kolby
- Team Meetings
 - Weekly triage meetings Tuesdays at 2pm
 - Weekly team meetings Tues. and Thurs., 6 so far
- Team Organization
 - Jordan is project manager, Jason is webmaster
 - Adam is client contact, Cory is Sysadmin

Team GE Aviation

Team GE Aviation

Status Report (4 of 4)




- Risks
 - Risk 1
 - Interfacing with X-Plane
 - Updating last semester's code to meet our needs
 - Risk 2
 - Rendering everything effectively and accurately
 - Use OpenGL in combination with Visual Studio
 - Risk 3
 - Allowing interactivity between user and the Lateral Map
 - Enabling layers (sensor, nav) to be toggled using mouse or keyboard

Team GE Aviation

Team Medtronic

Status Report (1 of 4)



- Project Definition
 - Mobile Health Management System
 - Track health progress over a period of time
 - iPhone Application to track short term goals
 - Web Application to track long term goals
- Project Plan Document
 - Some SRS document done
 - Initial diagrams created (class, state, user)

Team Medtronic

Team Medtronic

Status Report (2 of 4)



- Server Systems / Software
 - Windows Server 2003
 - SVN Source Control
- Development Systems / Software
 - Eclipse with Grail for Java based Web App
 - xCode for iPhone App
- Web Site
 - Team Web Site is up
 - Just put UI designs up

Team Medtronic

Team Medtronic

Status Report (3 of 4)




- Client Contact
 - 2 conference calls and multiple emails
 - Client in person meeting January 26th/27th
- Team Meetings
 - 1 Triage meeting
 - 5-10 Team meetings
- Team Organization
 - Project Manager/iPhone – Mike Keeseey
 - Client Contact/Web – Meghan McNeil
 - System Admin/Web – Kevin Chen
 - System Admin/iPhone – Karthik Chokkaram

Team Medtronic

Team Medtronic

Status Report (4 of 4)




- Risks
 - Communicating Between iPhone and Server
 - Insert data into iPhone and save in database
 - High Priority, Medium Difficulty
 - Find Legitimate Food and Calorie Database
 - Be able to look up food and calorie amounts
 - Medium Priority, Low Difficulty
 - Setting Up Server, Grail, and User Database
 - Be able to develop apps and set up database
 - High Priority, Low Difficulty (but time consuming)
 - iPhone SDK
 - Learning the development system of iPhone Apps
 - High Priority, Low Difficulty

Team Medtronic

Team Meijer

Status Report (1 of 4)




- Project Definition
 - CIO Dashboard
 - Quick overview of ITS department at Meijer
 - Customizable dashboard consisting of several web parts
- Project Plan Document
 - Basic Layout with Table of Contents
 - Started Technical Specs.

Team Meijer

Team Meijer

Status Report (2 of 4)



- Server Systems / Software
 - Windows Server 2003 with SQL Server 2008
 - SharePoint Server 2007
 - SVN Source Code Repository
- Development Systems / Software
 - Windows 7 with Visual Studio 2008
 - SharePoint Designer 2007
- Web Site
 - Runs on IIS 6.0

Team Meijer

Team Meijer

Status Report (3 of 4)



- Client Contact
 - Weekly conference calls on Thursdays
 - In person meeting last Friday
- Team Meetings
 - Monday and Thursday weekly status meetings
 - Using several online collaboration tools so we can “meet” whenever
- Team Organization
 - Jack: Developer, Systems Admin
 - Joe: Client Contact, Program Manager, Developer
 - Russell: Web Master, Developer, Etc...

Team Meijer

Team Meijer

Status Report (4 of 4)




- Risks
 - SharePoint
 - Our team has no experience developing in SharePoint
 - We are following tutorials on creating web parts via SP
 - Building upon previous semester’s project
 - Doesn’t work correctly, documentation incomplete
 - We’ve got it to compile correctly, however the SharePoint bit isn’t quite working yet.
 - Integrating our solution into their environment
 - Previous semester’s project did not integrate well with Meijer’s environment
 - Constant communication with our client contact as well as their resident experts. (SharePoint, MSSQL)

Team Meijer

Team Motorola

Status Report (1 of 4)




- Project Definition
 - Create Android application to upload video
 - Use an actual Motorola cable headend
 - Previously used simulated, "dummy" headend
 - Formalize API and extend iPhone application from last semester
- Project Plan Document
 - Executive Summary, most of the Tech specs, and existing API
 - Shared over Google Docs

Team Motorola

Team Motorola

Status Report (2 of 4)



- Server Systems / Software
 - Windows Server 2003
 - IIS and FTP
- Development Systems / Software
 - Windows XP and Leopard
 - Eclipse
 - Android SDK
 - Xcode
- Web Site
 - Up and running
 - Meeting notes and schedule

Team Motorola

Team Motorola

Status Report (3 of 4)




- Client Contact
 - Conference calls every Mon/Wed @ 4:00pm
 - Skype, AIM, and E-mail
- Team Meetings
 - After conference calls
 - Meet Tues/Thurs at 3
- Team Organization
 - Project Manager - Kurt
 - Client Contact – Brandon
 - Development – The whole group

Team Motorola

Team Motorola

Status Report (4 of 4)




- Risks
 - Android
 - No experience
 - Research and do tutorials
 - RESTlet
 - No experience
 - Research and do tutorials
 - Existing Code
 - Unfamiliar with large code base
 - Learn over time and use Kabe as resource
 - Cable Infrastructure
 - STB and Cable Headend
 - Learn from Kabe

Team Motorola

Team Raytheon

Status Report (1 of 4)




- Project Definition
 - Creating a Camera Control Appliance (CCA) to be put on a sheevaplug (new mini 'plug-computer')
 - The CCA should be able to control various security cameras from Raytheon's Sensor Resource Manager (SRM)
- Project Plan Document
 - Full skeleton
 - Approx. 25% complete

Team Raytheon

Team Raytheon

Status Report (2 of 4)



- Server Systems / Software
 - Windows Server 2003
 - SVN Repository, FTP Access
 - IIS Web Hosting
- Development Systems / Software
 - Windows 7, Ubuntu 9.04
 - Command Assurance (SDK), Eclipse, SRM
- Web Site
 - Skeleton Up
 - Team Names Present
 - Populated with all current data

Team Raytheon

Team Raytheon

Status Report (3 of 4)




- Client Contact
 - Weekly meetings Monday from 4:00pm – 5:00pm
 - Initial contact was 1/13/10
 - Met face to face with representative 1/22/10
- Team Meetings
 - Weekly meetings Tues / Thurs 8:00pm – 9:30pm
 - Additional meetings as needed
- Team Organization
 - Assigned team roles

Team Raytheon

Team Raytheon

Status Report (4 of 4)



- Risks
 - Sheevaplug Interfacing
 - Buffering, communication, etc
 - Research, Raytheon sample code
 - Learning Java / SDK
 - Greater understanding of programming in Java
 - Online tutorials, Raytheon sample code
 - Hardware Limitations
 - Space, CPU Power
 - Write efficient code
 - Compatibility
 - Cross platform driver/software acceptance
 - Testing and the use of Java

Team Raytheon

Team TechSmith

Status Report (1 of 4)



- Project Definition
 - Facebook study group application that allows users to find other students in their classes with whom to study.
 - Facilitate the quick and elegant sharing of content, including text, videos, and presentations.
 - Create an environment conducive to learning, where students in a class can spread and obtain knowledge.
- Project Plan Document
 - We have made an outline and filled in most of the bullet points. About 10% written.

Team TechSmith

Team TechSmith

Status Report (2 of 4)



- Server Systems / Software
 - Facebook API
 - Apache2, PHP, MySQL
- Development Systems / Software
 - Don't need much for PHP development...
Notepad++ and Eclipse
 - Web browser (IE and Firefox)
- Web Site
 - Web server is up and running, but no content.

Team TechSmith

Team TechSmith

Status Report (3 of 4)




- Client Contact
 - Visited TechSmith office, Okemos in the first week
 - Multiple email conversations so far
- Team Meetings
 - Visiting TechSmith at least once per month
 - The four of us have also met twice per week so far.
- Team Organization
 - Trevor Jelneck - System Administrator
 - Ryan Oswald - Server-Side Developer
 - Doug Sheffer - User Interface Developer
 - Chanyoung Choi - Developer

Team TechSmith

Team TechSmith

Status Report (4 of 4)



- Risks
 - Low
 - Learning the Facebook API
 - Learning the Google Calendar API
 - Medium
 - Chat with conversation with branching and content sharing
 - High
 - Integrating all the features into an efficient application

Team TechSmith

Team Terex

Status Report (1 of 4)



- Project Definition
 - Enterprise eCommerce enhancements
 - Multi-purpose viewing pane
 - Search XML, PDF, and other documents
 - Dynamically generate PDF manuals
 - Enhancing navigation
 - Offline access
- Project Plan Document
 - Draft has been created
 - Assigned sections to team members

Team Terex

Team Terex

Status Report (2 of 4)



- Server Systems / Software
 - Windows 2003, IIS, VisualSVN installations complete
- Development Systems / Software
 - NetBeans IDE
 - Apache Tomcat (Java Application Server)
 - TortoiseSVN
 - All complete
- Web Site
 - Currently live
 - Team meetings and rough project schedule are up

Team Terex

Team Terex

Status Report (3 of 4)



- Client Contact
 - Have contacted by phone and teleconference
 - Received clarification on requirements
- Team Meetings
 - Getting all desktop/server setup completed
 - Weekly meeting time scheduled
- Team Organization
 - Webmaster: Nick
 - Client Contact: Steve
 - Project Manager: Ed
 - More to be decided as project plan is developed

Team Terex

Team Terex

Status Report (4 of 4)




- Risks
 - Risk 1
 - Receiving and organizing data in correct format
 - Communicating to get more example data
 - Risk 2
 - Must learn Java/J2EE
 - Nick has experience
 - Risk 3
 - How to search/generate PDF
 - Steve has experience, libraries may be provided
 - Risk 4
 - Desktop version of eCommerce website
 - How to integrate with offline use

Team Terex

Team UrbanScience

Status Report (1 of 4)




- Applications for Mobile Devices
 - Make Urban Science Web Application(s) "mobile friendly"
 - Develop application for iPhone Platform
 - Develop application for Blackberry Platform
 - Outline steps taken to create repeatable process
- Project Plan Document
 - Table of Contents Drafted
 - Cover Page Complete
 - Hardware and software descriptions drafted

Team Urban Science

Team UrbanScience

Status Report (2 of 4)




- Server Systems / Software
 - Microsoft Windows Server 2003
 - Frontpage 2003
- Development Systems / Software
 - Eclipse SDK w/ Blackberry Plugin
 - iPhone SDK
- Web Site
 - Up and running
 - Currently adding content

Team Urban Science

Team UrbanScience

Status Report (3 of 4)




- Client Contact
 - Made initial contact with Client
 - Weekly meeting schedule and on-site visit established
- Team Meetings
 - Team meeting schedule (T & Th 2:30 EST)
 - Triage meeting schedule (W 4:15-4:30 EST)
- Team Organization
 - Client contact Kaalem Lucky
 - iPhone- Jeff & Josh; Blackberry- Kaalem & Shaun

Team Urban Science

Team UrbanScience

Status Report (4 of 4)



- Risks
 - Familiarity with SDKs
 - No previous experience with iPhone or Blackberry SDK
 - Researching SDKs
 - Familiarity with .Net
 - No previous experience with .Net
 - Researching .Net
 - Access to client apps
 - Accessing proprietary data requires various security measures
 - Client creating screen shots and group login credentials

Team Urban Science