Team Auto-Owners Status Report
Agent Multimedia Ad Builder (1 of 4)

- Project Definition
  - Create a web application to allow independent agents to create custom advertisements.
  - Agents will create print, radio, and television advertisements using existing templates
- Project Plan Document
  - Outline created
  - In process of completing project summary, requirements and schedule.

Team Auto-Owners Status Report
Agent Multimedia Ad Builder (2 of 4)

- Server Systems / Software
  - Server not set up yet
  - DotNetNuke-To be installed on server
- Development Systems / Software
  - Visual Studio 2010-Installed on desktop
  - ASP .Net – Team members learning
Team Auto-Owners Status Report
Agent Multimedia Ad Builder

- Client Contact
  - On site meeting
  - Weekly conference calls scheduled-Mondays 4pm
- Team Meetings
  - Weekly meetings scheduled for Wednesdays at 4pm
  - Additional meetings to be scheduled as needed
- Team Organization
  - Client Contact-Marie Buckner

Risks
- ASP.Net
  - Team has never used ASP.Net before
  - Team is researching and learning
- Audio Synthesizer
  - Do not know of a synthesizer which can be integrated into a web application
  - Researching solutions
- Video/Audio Joining
  - Do not know how to add to a video or audio clip via a web application.
  - Researching solutions

Team Boeing Status Report
O-Show for Simulation Software

- Project Definition
  - Solve a variation of the traveling salesman problem using lp_solve
  - Visualize/simulate the output of lp_solve through the use of OpenSceneGraph
- Project Plan Document
  - Executive Summary
  - System Diagram in development
  - Design Requirements in development
  - Schedule in development

Server Systems / Software
- Windows Server 2003
- VisualSVN Server for revision control

Development Systems / Software
- Ubuntu 10.04 LTS / Windows 7
- Eclipse IDE
  - Subclipse (svn integration)
  - CDT (c++ development tool)
- OpenSceneGraph (OSG)
- lp_solve
- Python

Client Contact
- Initial design requirements received from client.
- Weekly progress meeting at 11:15am every Wednesday.

Team Meetings
- Triage meeting with Stephen scheduled for Wednesday after class (3:50).
- Ad-hoc meetings for urgent problems.
- Communication through email and phone outside of normal

Team Organization
- Matt France is the main client contact.
- No other internal organization, acting as peers.

- Risks
  - Risk 1
    - Interaction between lp_solve and OSG.
    - Research possible solutions, Python as a high-level layer to massage the input.
  - Risk 2
    - None of the team members know Mixed Integer Linear Programming
  - Risk 3
    - No one has used OSG before.
    - Reading through on-line tutorials and documentation.
  - Risk 4
    - Interfacing lp_solve with the input data.
    - Bryan will read the documentation on the lp_solve site and relay that to the team.
Team Ford Status Report
Ford Idea Place Mobile Edition

- Project Definition
  - Mobile Idea Submission App
  - Employees can record and submit ideas to improve the company via text, photos, videos, etc
  - Can subscribe to other users, rate others ideas
  - Can push achievements to other users
- Project Plan Document
  - 80% of PowerPoint complete
  - UI layout pictures
  - Working on UML diagrams
  - Working on architecture illustrations

Team Ford Status Report
Ford Idea Place Mobile Edition

- Server Systems / Software
  - Windows SQL Server 2008
  - Apache Web Server
  - Windows Server Operating System
- Development Systems / Software
  - Java Android SDK Version 1.6
  - Eclipse IDE with Android Plug-Ins
  - iPhone SDK in XCode

Team Ford Status Report
Ford Idea Place Mobile Edition

- Client Contact
  - Michael Volk - NA Design IT Business Analyst.
  - Contact conference calls on Mondays at 2:00 PM
- Team Meetings
  - Weekly Phone Conference Calls with client Mondays 2:00pm
  - Weekly team meeting Tuesday 4:15pm
- Team Organization
  - Manager/Main Contact: Josh Kitchens
  - Contact via e-mail, skype, extra team meetings
- Risks
  - Risk 1
    - Lack of Experience in chosen language
    - One member has extensive java experience. Will do research about language as well as ask teammate questions
  - Risk 2
    - Lack of Experience in client/server communications
    - Research common practices, utilize known knowledge sources
  - Risk 3
    - Staying too broad across multiple platforms
    - Focus on design to keep platform-specific issues to a minimum
    - Focus on one platform primarily at first
  - Risk 4
    - Securing client/server interaction
    - Encrypt all communications to preserve confidentiality

Team GE Aviation Status Report
Super Synoptics

- Project Definition
  - Present pilots with unobtrusive systems management application
  - Providing pilots with potential problem solutions and the consequences to each solution
- Project Plan Document
  - Outlined
  - Discussing with client on Friday

Team GE Aviation Status Report
Super Synoptics

- Server Systems / Software
  - Waiting for rack-mount installation
  - SVN
  - Documentation Wiki
  - Investigating SharePoint for documentation
- Development Systems / Software
  - X-Plane / C++
  - Silverlight / C#
Team GE Aviation Status Report
Super Synoptics

- Client Contact
  - Met with Tim and Dashiell Thursday 9/2 for ~2 hrs
- Team Meetings
  - Triage meetings: Mon 3:55-4:15
  - Group meetings: Tuesday and Thursday 4:30-??:??
- Team Organization
  - Shawn – Contact Liaison
  - Adam – Sysadmin
  - Mutual accountability
  - Agile-ish

- Risks
  - X-Plane
    - Complexity of integration and communication between applications
    - Look at old Capstones and X-Plane documentation
  - Lack of Aviation Knowledge
    - Must understand complex relationships of airplane systems
    - Communication with GE correspondents and lots of stick time.
  - Silverlight
    - Working with new platform
    - Dedicate one team member to learning it
  - Interface Design
    - Systems already exist to ‘warn’ pilots, but we must provide superior knowledge, while being minimally intrusive.
    - Use tools and processes that promote fast iteration

Team Medtronic Status Report
Wellness Application for Medtronic Patients

- Project Definition
  - Complete and polish current Wellness Portal apps
  - Streamline existing functionality
  - Integrate with:
    - Microsoft HealthVault
    - Medtronic devices
    - Nutrition source (e.g. CalorieKing)
- Project Plan Document
  - Done
    - Product functions, risk analysis, use cases
  - Assigned
    - State, class, data flow diagram
    - Mock-ups, Constraints, Schedule, Technologies

- Server Systems / Software
  - MySQL
  - Grails
- Development Systems / Software
  - Installed and Deployed
    - JDK, Grails, and SpringSource Tool Suite
    - iPhone SDK and XCode
    - Capstone Mobile Health Management System from Spring 2010 : Deployed

- Client Contact
  - One teleconference
  - Most contact via email
  - Future teleconferences planned
- Weekly status report: Friday 3pm
- Team Meetings
  - Weekly Triage Meetings: Wednesday 2pm
  - Face-to-Face group meetings: varies from week to week
- Team Organization
  - Web app: Chris, Joe, Zach
  - iPhone app: Vu, Zach

- Person Hours & Estimated Project Schedule
  - Over 650 hours in 4 months
- Team members Availability
  - Team members are full-time students and work, scheduling meetings difficult
- Using project and source code management tools Teambox.com and GitHub.com
- Weak Participation
  - Possible missing time, level of commitment and level of expertise vary greatly among team members
  - Assign Project Manager, need better project plan
- Team’s Lack of Knowledge of Involved Technologies
  - No previous experiences working with Grails, Objective-C
  - Special extra time to learn the technologies
  - Must learn API for several external services
- Existing Code-Base
  - Lots of issues, not well organized or implemented
Team Meijer Status Report
ITS Products and Services Request System (1 of 4)

- **Project Definition**
  - SharePoint ITS portal site
  - Single Catalog of all ITS services and products
  - Descriptions of each service, required approvals, expected turnaround time, and Business area responsibility
  - Ability to track and follow submitted requests
- **Project Plan Document**
  - Skeleton Written
  - Screen Mock up’s in progress
  - Feature list defined
  - In process of setting up development system

Team Meijer Status Report
ITS Products and Services Request System (2 of 4)

- **Server Systems / Software**
  - MS SQL Server 2008
  - Microsoft Server 2003
  - SharePoint Server 2007
- **Development Systems / Software**
  - MS Visual Studios 2008
  - SharePoint Development 2007
  - WSS Extensions 3.0 for VS
  - InfoPath Forms 2007

Team Meijer Status Report
ITS Products and Services Request System (3 of 4)

- **Client Contact**
  - Made contact and went over project specs
  - Weekly conference call scheduled for Wednesdays at 4:00
- **Team Meetings**
  - Triage meetings Monday 2:20
  - Team Meetings: Sunday nights, Tuesday/Thursdays as schedules permit, and Fridays at 3:00
- **Team Organization**
  - Client Contact – Matt
  - Systems Administrator – Andy
  - Developers/Testers - All

Team Meijer Status Report
ITS Products and Services Request System (4 of 4)

- **Risks**
  - Risk 1
    - SharePoint setup
    - Online documentation
  - Risk 2
    - Programming with SharePoint
    - Online resources and books
  - Risk 3
    - Interfacing with Remedy System that is already in place
    - Trial and error, Using internal documentation
  - Risk 4
    - Possible feature creep
    - Try to stick as close to the original product description, while still giving them a product they are satisfied with

Team Motorola Status Report
Enhanced Program Guides for Mobile Devices (1 of 4)

- **Project Definition**
  - Admin Panel to Manage Secondary Content Lifecycle
  - Sync Content to Mobile Client at Specified Times
  - Mobile Client can be associated to Set-Top Box
  - Simulate TV backend and EPG for Set-Top Box
- **Project Plan Document**
  - Completed Main Architecture and Design
  - Completed Sequence Diagrams for Use Cases
  - Working on RESTful API Service Details
  - Working on UML Diagrams and Database Schema

Team Motorola Status Report
Enhanced Program Guides for Mobile Devices (2 of 4)

- **Server Systems / Software**
  - Set up IPTV Streaming Service to Set-Top Box
  - Set up MySQL on Windows Server 2003
  - Deciding on using RESTlet 1.1 or 2.0 for Services
- **Development Systems / Software**
  - Installed JDK, Eclipse, RESTlet, and related plug-ins
  - Downloaded GWT, iOS, and Android SDK
  - Waiting for VPN fix for Win7 (x64) to access SVN
Team Motorola Status Report
Enhanced Program Guides for Mobile Devices (3 of 4)

• Client Contact
  • Conference Call every Tues/Thurs Afternoon
  • Available to contact anytime using multiple methods
• Team Meetings
  • Directly after Conference Calls and Weekends
  • Posting Meeting Notes on Motorola Wiki
• Team Organization
  • Determined Specialties of each Team Member
  • Everyone fills a part of each role

Team Motorola Status Report
Enhanced Program Guides for Mobile Devices (4 of 4)

• Risks
  • Understanding RESTful Web Services
    o Entire system must have RESTful architecture
    o Research REST best practices and examples early
  • Integrating with previous semester’s code
    o We will be using services developed by the Spring 2009 Team
    o Check-out the code and design our system with it in mind
  • Understanding the Set-Top Box
    o We must utilize the proprietary Motorola hardware device
    o Create test programs to create basic streams
  • Programming on Mobile Devices
    o We must develop a client that runs on mobile devices
    o Create basic test GUIs for these devices

Team TechSmith Status Report
Extending Apps with Cloud Asset Sharing (1 of 4)

• Project Definition
  • Application for sharing Snagit and Camtasia assets
  • Assets are images, callout sequences, etc.
  • Application synchronizes with Azure cloud server
  • Users can share and rate each others’ assets
• Project Plan Document
  • Completed skeleton, headers and footers
  • Developing functional and design specifications
  • Waiting to determine technical specifications
  • Identified preliminary risks
  • Created initial functional specification

Team TechSmith Status Report
Extending Apps with Cloud Asset Sharing (2 of 4)

• Server Systems / Software
  • Microsoft Azure cloud - Completed test program
  • Already set up capstone server for code repository
  • Determining Camtasia/Snagit data to store.
• Development Systems / Software
  • Visual Studio 2010, C# - Learning as we go
  • WPF - Completed test program
  • Generated some Camtasia/Snagit test data

Team TechSmith Status Report
Extending Apps with Cloud Asset Sharing (3 of 4)

• Client Contact
  • Met in person last Friday
  • Set up meetings on every other Friday
  • Set up weekly email status reports on Fridays
• Team Meetings
  • Scheduled weekly Triage meeting
  • Scheduled weekly team meeting
  • Additional meetings as needed
• Team Organization
  • Defined roles for team members
  • Coordinating via email

Team TechSmith Status Report
Extending Apps with Cloud Asset Sharing (4 of 4)

• Risks
  • Using Microsoft Azure
    o Need to learn interface
    o Created test program
  • Learn C#, WPF
    o Need to learn the languages we will be using
    o Created test programs, learning as we go
  • Determine Features/Interface
    o What do we need to make?
    o Draw mock UI, discuss with client, created functional feature list
  • Rendering preview images
    o Assets use non-standard rendering (xml + standard image)
    o Need to get details or code from client
Team Urban Science Status Report
Modern Online Analytical Processing Cube

- Project Definition
  - Create a tool to quickly and efficiently query specific data amongst large databases to provide detailed and aggregated statistics - OLAP cube (OnLine Analytical Processing)
  - Faster than relational databases
  - No limitation on database size
  - Provides reports for easier data analysis
- Project Plan Document
  - Cover Page
  - Table of Contents outline

- Server Systems / Software
  - Windows Server 2003
  - SQL databases – MS SQL Server 2008
- Development Systems / Software
  - Silverlight – Installed client and VS 2010 SDKs
  - C# - .NET Framework 4.0 - Comes with VS 2010
  - Contour Cube / Dundas OLAP cube / Contos Demos from client

- Client Contact
  - Discussed initial team questions
  - Attempts to setup phone conferencing and visit Urban Science
- Team Meetings
  - Installed software on machine
  - Prepared questions to ask client
- Team Organization
  - Dinesh – C#, Silverlight, Project Manager
  - Ryan – Silverlight, Database, Customer Liaison
  - Nathan – C#, Programmer, Analyst

- Risks
  - Requirements Change
    - Some assumptions we make might not stand if requirements change
    - Understand what client wants before starting to code
  - Technology
    - Inadequate knowledge of the technologies we are implementing
    - Research and read more articles
  - Time Constraint
    - Scheduling conflicts with client preventing effective communication
    - Anyone whose schedule permits should be present
  - Availability of resources
    - Current OLAP software costs are very high
    - Get a license from Urban Science