



## 4. Teams: Progress Reports



CSE 498, Collaborative Design

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## Team 1 Status Report (1 of 4)

Team 1: Accident Fund

- Client Contact:
  - Initial Client meeting 1/12, onsite, project overview
  - 1/22: Receive hardware. Server Access.
- Team Meetings
  - 1/11 Server and computer setup
  - 1/13 Set up web sever and web site
  - 1/17 Triage meeting and research division
  - 1/19 Documentation Overview
- Team Organization
  - Simon: Client contact/Tech Writer, Jon: Chief Programmer
  - Chris: Sys Admin/programmer Katie: Mgr

## Team 1 Status Report (2 of 4)

Team 1: Accident Fund

- Server Systems / Software
  - Windows Server 2003
  - Remote Desktop
- Development Systems / Software
  - SVN For Document Management
  - Accident Fund Dev Server
  - Motorola Good Technologies
- Web Site
  - IIS, Win Server 2003 <http://cse498t01s.cse.msu.edu/>
  - Posted: Minutes, Project Schedule

## Team 1 Status Report (3 of 4)

Team 1: Accident Fund

- Project Definition
  - **Research**
    - technologies for cross platform smart phone intranet delivery, What are other companies doing?
  - **Redesign existing query apps for phones**
  - Additional work, time permitting
    - Create application to capture service requests
    - Create new productivity applications for smart phone based on field consultant interviews
- Technical Specification Document
  - Document outline created
  - Draft, project description

## Team 1 Status Report (4 of 4)

Team 1: Accident Fund

- Risks
  - Using Good Intranet client software
    - xslt (Extensible Stylesheet Language Transformations)
    - Mitigation: Good docs
  - Small screen size & multiple screen sizes
    - Existing app. extensive info, Can Good detect devices?
    - Mitigation: Multiple screen mock-ups
  - Other possible languages
    - Java ?
    - Mitigation: Further documentation Today.
  - Future Use of out Project
    - Will they add to it? Will it be useful?
    - Mitigation: Depends on usability.

## Team 2 Status Report (1 of 4)

Team 2 Auto Owners

- Client Contact
  - Designated Client Contact : Julie
  - Had phone conference last Tuesday
  - On-Site meeting this Tuesday
- Team Meetings
  - Mon/Wed 4:00-6:00
  - Assigned Initial Tasks, began planning phase
- Team Organization
  - Group Website/Back End Developer : Rob
  - Server Admin/Back End Developer : Erik
  - Front End/Project Manager : Julie
  - Front End/UI : Jennifer

**S** Team 2 Status Report (2 of 4) →

Team 2 Auto Owners

- Server Systems / Software
  - IIS/ ASP.NET 2.0
  - Microsoft SQL Server 2000
- Development Systems / Software
  - Visual Studio 2005
  - C# / ASP.NET
- Web Site
  - Up and running
  - <http://cse498t02s.cse.msu.edu>

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**S** Team 2 Status Report (3 of 4) →

Team 2 Auto Owners

- Project Definition
  - Website for employee registration for insurance certification exams
  - Users are not technically inclined
  - Data distribution using a web service
  - Reports for test takers and managers
- Technical Specification Document
  - Using ASP.NET with Microsoft SQL
  - Graphics of Data Base Schema
  - Code Snippets
  - Using given CSS

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**S** Team 2 Status Report (4 of 4) →

Team 2 Auto Owners

- Risks
  - SSL
    - Need to keep data encrypted and secured
    - Talk to Auto Owners, find out if certificate provided
  - Web Service and XML
    - Unknown destination format for XML
    - No experience with web services
    - Research
  - ASP.NET
    - Haven't used this much (minor risk)
    - Research and tutorials
  - Reports
    - Company known for "feature creep"
    - In person discussion with Auto Owners

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**S** Team 3 Status Report (1 of 4) →

Team 3: Boeing

- Client Contact
  - Touched base initially with email 01/11/06, on going Q&A
  - Conference call made 01/19/06 for general Q&A, also to lay out an initial timeline.
- Team Meetings
  - Bi weekly conference call with client
  - Weekly triage meeting with CSE 498 TA
- Team Organization
  - Kepera Amun ( *Graphic System Designer* )
  - Holly Hunt ( *Program Manager* )
  - Alex Novak ( *Network Protocol Architect* )
  - Nathaniel Wingard ( *System Administrator* )
  - Adam York ( *Client Contact* )

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**S** Team 3 Status Report (2 of 4) →

Team #3: Boeing

- Server Systems / Software
  - SVN
  - http
- Development Systems / Software
  - C#
  - Direct X
  - Visual Studio 2005
- Web Site
  - <http://cse498t03s.cse.msu.edu/>

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**S** Team 3 Status Report (3 of 4) →

Team 3: Boeing

- Project Definition
  - The overall goal of this project is to enhance VST 2006 by creating a Management System of DIS & HLA PDU's, enhancing detailed feature sets of VST '06, and enhancing creation of the Visual Presentation of Warfare Simulation.
- Technical Specification Document
  - Extend Simulation Server to create a Master PDU Manager
  - Graphics Enhancement
  - Model Enhancement
  - Aircraft Flight Improvement
  - Enhanced PDU Set
  - Improve error handling

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## S Team 3 Status Report (4 of 4)

Team 3: Boeing

- Risks
  - **Restructuring of Code**
    - *Description:* Move common code together, instead of having functionality dispersed through the program
    - *Mitigation:* implement incrementally
  - **Converting Network Protocol**
    - *Description:* Change the current TCP networking structure to UDP
    - *Mitigation:* test in small phases to test performance gains and feasibility
  - **HLA Implementation**
    - *Description:* New version of DIS network protocol
    - *Mitigation:* Consult with Client to find out extent of implementation
  - **Master Viewer**
    - *Description:* implement a way to display a mission overview by tapping into stored simulation data or a current simulation
    - *Mitigation:* start by storing data, then making a simple viewer that mirrors

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## S Team 4 Status Report (1 of 4)

Team 4: DaimlerChrysler

- **Client Contact**
  - 2-3 Q/A contacts by email.
  - Had a conference call Friday. Tentative on-site this Friday.
- **Team Meetings**
  - Meet in person twice a week.
  - Multiple meetings via Skype.
- **Team Organization**
  - Online collaboration with Google Docs
  - Anthony – Client Contact/Coordinator
  - Brian B – DBA/Source Control
  - Brian S – Technical Writer/System Admin
  - Chris – Java Development/Testing/Web Admin
  - Tom – Java Development/BB Expert

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## S Team 4 Status Report (2 of 4)

Team 4: DaimlerChrysler

- **Server Systems / Software**
  - BES for MDS (tentative)
  - ASP.NET 2.0
  - SQL Server 2005
- **Development Systems / Software**
  - BBJDE/MDS
  - Visual Studio 2005
- **Web Site**
  - Updated roughly twice a week.
  - Links to published Google Docs.

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## S Team 4 Status Report (3 of 4)

Team 4: DaimlerChrysler

- **Project Definition**
  - GPS data collected by BB and sent to server.
  - Process data on server, generate statistics.
  - Provide accessible report with browser interface.
  - Provide email report to officers.
- **Technical Specification Document**
  - MDS app on BB collects and sends GPS data.
  - Communication with server by way of HTTP requests.
  - Processing of data by .NET web services.
  - Store/Retrieve data with SQL Server 2005.

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## S Team 4 Status Report (4 of 4)

Team 4: DaimlerChrysler

- Risks
  - Risk 1 - MEDIUM
    - BB Communication with Server.
    - Will develop to allow easy change of design.
  - Risk 2 - MEDIUM
    - Processing GPS Data.
    - Explore different GeoFencing Algorithms.
  - Risk 3 - HIGH
    - Permissions issues with BES and the MSU network.
    - Will speak with Adam.
  - Risk 4 - HIGH
    - Software acquisition and interoperability.
    - DCX provided contact with RIM consultant.

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## S Team 5 Status Report (1 of 4)

Team 5: Team Ford

- **Client Contact**
  - Client contacted, one conference call
  - Set up weekly conference call meeting with entire team
- **Team Meetings**
  - Set up Google calendar to keep track of team schedule
  - Set up two to three weekly meeting times
- **Team Organization**
  - Greg Babcock – MPG calculator (web service) and mobile layout
  - Benjamin Bays – Database management, contact person, and team website
  - Justin Gronos and A.J. Gorczyca – main web service developers
  - Karen Shinaver – Web page layout and team website

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## S Team 5 Status Report (2 of 4)

- Server Systems / Software
  - Windows Server 2003
  - .NET 2.0
  - IIS ( Internet Information Services )
- Development Systems / Software
  - ASP.NET
  - C #
  - SQL
- Web Site
  - Up and running
  - <http://cse498t05s.cse.msu.edu/>

Team 5: Team Ford

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## S Team 5 Status Report (3 of 4)

- Project Definition
  - Creating web services for mobile devices
  - Separate design for authenticated users ( allows for personalization )
  - Separate design for different mobile devices ( laptops, PDAs, cell phones )
  - Integrating web services to also be included externally as Google Gadget or MyYahoo Module
- Technical Specification Document
  - Discussed technical specs with Ford client
  - Have outlined template of our document

Team 5: Team Ford

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## S Team 5 Status Report (4 of 4)

- Risks
  - Risk 1
    - Each team member learning ASP.NET
    - Completing tutorials and reading up on the subject while answering each others questions
  - Risk 2
    - No experience programming web services
    - Talking with Ford contacts, completing independent research
  - Risk 3
    - Database implementation
    - One group member has some experience to assist in learning process for all others
  - Risk 4
    - Integrating GPS in a Find-a-Dealer web service
    - Immediately beginning programming and researching the topic

Team 5: Team Ford

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## S Team 6 Status Report (1 of 4)

- Client Contact
  - Conference Call 1/12/07
  - Onsite Visit scheduled for Friday 1/26/07
  - 6 email contacts in response to questions, etc.
- Team Meetings
  - Two group meetings
  - Discussed Specs/Technologies mentioned from Conference Call
- Team Organization
  - System Administrator - Dan
    - Server set up
  - Client Contact - Kira
  - Planned weekly meetings and triage meeting

Team 6: GM OnStar

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## S Team 6 Status Report (2 of 4)

- Server Systems / Software
  - IBM AIX 5L
  - Sun Portal Server 7.x
- Development Systems / Software
  - IBM WebSphere
  - Voice XML 2.x
- Web Site
  - Up and running
  - <http://cse498t06s.cse.msu.edu/>

Team 6: GM OnStar

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## S Team 6 Status Report (3 of 4)

- Project Definition
  - Audio Customer Survey for Test Drive
  - Virtual Salesmen to describe car and answer questions
  - Run through OnStar Car Telephone System
  - Responses stored on WebPortal Database
- Technical Specification Document
  - Required Technologies yet to be finalized by GM
  - To include SQL, JDBC Data Schemas
  - Voice-XML based Portlets within IBM environment

Team 6: GM OnStar

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## S Team 6 Status Report (4 of 4)

- Risks
  - Risk 1
    - Setting up PBX Phone Server
    - Research and obtain PBX Phone Server
  - Risk 2
    - Setting up AIX Server
    - Research and obtain AIX software from GM
  - Risk 3
    - Build Voice-XML Portlets
    - Learn about Voice XML and how to build them
  - Risk 4
    - Communicate with voice
    - Research and discuss further with GM contacts

Team 6: GM OnStar

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## S Team 7 Status Report (1 of 4)

- Client Contact
  - Three teleconferences
  - IBM likes random phone numbers
- Team Meetings
  - Team meetings officially set at 3:00 every Tues. & Thurs.
  - Triage at 4:20 on Tues.
- Team Organization
  - Egalitarian
  - Jeff is main POC for IBM & pseudo-PM
  - Drew is the "IT Guy"
  - Emmanuel is the webmaster
  - Colin is the "Java Guy"

Team 7: IBM

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## S Team 7 Status Report (2 of 4)

- Server Systems / Software
  - Tomcat Servlet Engine (Tentative) to run IBM supplied editor code
  - Subversion for version control
- Development Systems / Software
  - Eclipse
- Web Site
  - <http://cse498t07s.cse.msu.edu/>
  - It will include team meeting notes
  - Frontpage==bad

Team 7: IBM

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## S Team 7 Status Report (3 of 4)

- Project Definition
  - An Eclipse Plug-in creating an eclipse "perspective" in 3 milestones
  - Milestone 1: Compiling proprietary XML into Javabeans output
  - Milestone 2: Tying in an existing browser-based editor seamlessly into the eclipse environment
  - Milestone 3: Creating an intuitive editor for a proprietary XML format leveraging the organized structure of the format
- Technical Specification Document
  - What document?

Team 7: IBM

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## S Team 7 Status Report (4 of 4)

- Risks
  - Risk 1
    - How do we design Eclipse Plug-ins
    - Learn Eclipse fast (or buy a contractor)
  - Risk 2
    - How do we seamlessly integrate Tomcat
    - Extensive research (Google; Trial and Error lots of error) assign Colin
  - Risk 3
    - Populating compiled java beans (Milestone 1) into the end user's Eclipse project
    - Work as a team to create this as our foundation
  - Risk 4
    - 3 out of 4 team members unfamiliar with Java
    - Check out Java for dummy's
  - Risk 5
    - Milestone 3 begs for feature creep (bite off more than we can chew)
    - Planning, and cutoff dates

Team 7: IBM

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## S Team 8 Status Report (1 of 4)

- Client Contact
  - Regularly scheduled meetings w/ Primary Contact
  - Secondary Contacts, first meeting next week.
- Team Meetings
  - Regularly Scheduled, plus emergency meetings when necessary.
  - All of us are readily available through email.
- Team Organization
  - Client Contact person, Clayton.
  - Project Manager, Chad.
  - Interface Designer/Developer, Gordon.
  - Server Admin, David.

Team 8: College of Human Medicine

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## Team 8 Status Report (2 of 4)

Team 8: College of Human Medicine

- Server Systems / Software
  - Gentoo Linux
  - MySQL Database
- Development Systems / Software
  - Windows based
  - Ruby on Rails
- Web Site
  - Wiki Setup for every member of the group to update current progress.
  - Constantly updated Project Demos, will allow us to review interface at our leisure.

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## Team 8 Status Report (3 of 4)

Team 8: College of Human Medicine

- Project Definition
  - Develop PDA based platform for managing medical specimens in frozen storage. Management includes inputting new specimens, checking in/out specimens, erasing outdated specimens, etc...
  - Web-based application, that works on both PDA's and PC's.
  - Modeled freezers, with individual racks, where each rack is designated by an RFID tag, and each specimen by a barcode.
  - Securely managed database, to hold not only specimen records but also records for patients.
- Technical Specification Document
  - Downloaded the sample Tech. Specs and reviewed them.
  - Created a skeleton with the team, and came up with big decision points.
  - Had a group meeting to fill in details, and to divvy out work for each member.
  - Met again on Sunday (01/21/07) to see how everything is coming along; still on schedule.

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## Team 8 Status Report (4 of 4)

Team 8: College of Human Medicine

- Risks
  - "Split decision"
    - Can the website differentiate between when a PDA views it vs. when a PC views it.
    - David has done something similar before, and is getting it working. (DONE)
  - RFID wildcard
    - Due to the size of our mocked up freezers and the range of these RFID tags, determining a specific rack may prove incredibly difficult.
    - Still waiting on the RFID scanners, and tags.
  - Resolution/View on PDA
    - Getting the view on the PDA to be user friendly.
    - Gordon is creating mock-ups of our interface to show to the Doctors for approval.
  - Barcodes, Scanning and Printing.
    - Making sure codes scan to proper location in web-interface, and interfacing between the specimen input client and the barcode printer.
    - Clayton jumped on scanning and got the scanners and the PDA's working together, Chad downloaded a barcode creator, and we are waiting on the printer.

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## Team 9 Status Report (1 of 4)

Team 9: Microsoft

- Client Contact
  - First Contact 1-12-07 Conference call
  - Established weekly conference call on 5pm Fridays
- Team Meetings
  - Team Meeting Tuesdays at 6pm
  - Triage Wednesdays at 4pm
- Team Organization
  - Client Contact: Chris Barott
  - Other positions to be determined

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## Team 9 Status Report (2 of 4)

Team 9: Microsoft

- Server Systems / Software
  - Microsoft Windows Vista
  - Microsoft Server 2003
- Development Systems / Software
  - Visual C# 2005
  - .NET Framework 3.0
  - Internal Microsoft Peer to Peer Development tools
- Web Site
  - Team Development MediaWiki
  - External site

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## Team 9 Status Report (3 of 4)

Team 9: Microsoft

- Project Definition
  - Collaborative Note taking application
  - Peer to Peer Networking
  - Including chat and file sharing capabilities
  - Integrates with existing Office file types
- Technical Specification Document
  - First draft of GUI Design
  - Outline of required technologies

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## Team 9 Status Report (4 of 4)



### Risks

- Integration with existing technologies
  - This application requires a lot of integration with existing frameworks and applications. Ex: P2P, Vista, PPL Near Me, .NET 3.0, etc.
  - Research existing products/documentation and experimentation
- Sharing data between users in real time
  - We need an efficient method of syncing data between users
  - Discuss options with the client, and research efficient methodology
- Data organization
  - How do we store data inside a multi-user application without a database, emphasizing efficiency and accessibility
  - Research and testing of various structures
- General usability
  - This application needs to be designed for the average person , so it must be simple despite all the embedded functionality. "2-3 click start"
  - Iterative GUI design process based on client/user feedback

Team 9: Microsoft

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## Team 10 Status Report (1 of 4)



### Client Contact

- Kabe
  - We call, e-mail, IM, all the time
- ### Team Meetings
- Eight Meetings
  - Five Conference Calls
- ### Team Organization
- Tony is client contact
  - But really, we all are

Team 10: Motorola

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## Team 10 Status Report (2 of 4)



### Server Systems / Software

- Used for website, little else
- Will be used to simulate network events

### Development Systems / Software

- Eclipse
- Subversion @ Motorola

### Web Site

- Configured and running.

Team 10: Motorola

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## Team 10 Status Report (3 of 4)



### Project Definition

- Framework
- Autonomic network management
- We're building endpoint communication
- Extremely Modular, Extensible. Multiple Protocols.

### Technical Specification Document

- Already completed
- Class diagrams
- Flow diagrams
- Framework overview

Team 10: Motorola

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## Team 10 Status Report (4 of 4)



### Risks

- We don't know Java
  - None of us are Java programmers
  - Learn Java
- We don't know CORBA
  - CORBA used in system
  - Assigned two members to become CORBA experts
- We don't know SOAP
  - SOAP used in system
  - Assigned member to become SOAP expert
- Waiting on Final Design
  - Motorola Specs still in flux
  - Lean on Kabe

Team 10: Motorola

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## Team 11 Status Report (1 of 4)



### Client Contact

- Met with TechSmith on-site
- Arranged semi-weekly status reports

### Team Meetings

- Established semi-weekly team meetings
- Scheduled Friday triage meetings

### Team Organization

- Picked a client contact - Chris
- Picked a program manager - Randy

Team 11: TechSmith

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## S Team 11 Status Report (2 of 4)

Team 11: TechSmith

- Server Systems / Software
  - Running Apache on Win2k3 server
  - Setup SVN for version control
- Development Systems / Software
  - Visual Studio 2005
  - Currently deciding between C++/C#
- Web Site
  - Up and running
  - Under construction

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## S Team 11 Status Report (3 of 4)

Team 11: TechSmith

- Project Definition
  - Screen Capture Multi-image Output Accessory
  - Receive images from Snag-It
  - Use preexisting plug-in architecture
  - Output in multiple formats
- Technical Specification Document
  - Awaiting architecture documentation
  - Formulating based on assumptions
  - Beginning functional specs
  - Reviewing necessary technologies

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## S Team 11 Status Report (4 of 4)

Team 11: TechSmith

- Risks
  - Risk 1
    - COM interface with SnagIt
    - Randy is reading a giant book on COM
  - Risk 2
    - Multi-format output
    - Assigning formats to individual team members
  - Risk 3
    - Designing a "professional" GUI
    - Using feedback from SnagIt design team
  - Risk 4
    - Rich formatting
    - RESEARCH

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