Technical Specification / Schedule
Auto-Owners Group

Team 1: Auto-Owners Team
CSE 498, Collaborative Design
Project Overview

- Vendor Management System
- Real-Time
- Desktop Winform Application with SQL database
- Ability to add/edit/delete contracts / services and vendors
- Reporting contracts / services that are due to expire or change
- Group permission functionality when creating users
Functional Specifications

• 4 distinct user group permissions: Administrator, IT management, Purchasing, and Legal
• Ability to add / edit / delete
• Search functionality for contracts / services and vendors
• Built-in security features including login and private data items
• Ability to have a running list of “notes” (blog style) associated with data items
System Components

• Hardware Platforms
  – Central Database Server
  – Multiple client PC’s
  – Network drive for Image storage

• Software Platforms / Technologies
  – Microsoft Windows 2003 Server edition
  – Microsoft Windows XP
  – Microsoft SQL 2005
  – Microsoft Visual Studio.Net 2005
Architecture Illustrated 1/3
Architecture Illustrated 2/3
Architecture Illustrated 3/3

Team 1: Auto-Owners Team
Risks 1/2

- Little / No knowledge of C# / .NET development
  - 1 to 2 developers have C# experience
  - To overcome this we need to learn C#
- Image capture / Storage and integration
  - To overcome this we have discussed having a separate network drive where the images can be stored and accessed. The path information will be stored in the database on the server.
Risks 2/2

- Notification system for contract deadlines and alerts and checking for this
  - Potential Solutions
    - Nightly script that is run
    - Notification right on the client app
    - SQL Mail

- Scope / Feature creep
  - Project has many potential feature additions that are not all going to be possible
  - We need to make sure to focus on core functionality and then address other features as needed
Project Schedule

1. Schedule, DB Spec, and overview done
   a) Goal: have all of these items completed
   b) 09-10

2. Tech Spec Due
   a) Goal: Have Technical Specifications completed
   b) 09-17

3. SQL2005 / SVN Installed
   a) Goal: Have Project critical software installed and functioning
   b) 09-18

4. Winform App compiling / working
   a) Goal: Have Winform application compiling
   b) 09-19
Project Schedule

4. Database Set-up completed
   a) Goal: Have the Database structure completed
   b) 09-24

5. Ability to read/write to DB from client
   a) Goal: Have the ability to talk with the database from the C# app using ADO.NET.
   b) 09-26

6. Add, edit, delete, view functionality
   a) Goal: Have these featured implemented and working
   b) 10-03
Project Schedule

7. Prototype Demo
   a) Goal: Have a working prototype to demo for client / class
   b) 10-08

8. Multi-User functionality
   a) Goal: Have the ability to have multiple clients working on same database simultaneously (data integrity check)
   b) 10-15

9. Image Scan/Storage
   a) Goal: Have the ability to import a scanned image and store it on a Connected network drive
   b) 10-22
Project Schedule

10. Search/Filter Functionality
   a) Goal: Have a search functionality and filtering functionality integrated into the app
   b) 10-29

11. Make Pretty
   a) Goal: Have GUI as detailed and feature rich as possible. Project “completion”
   b) 11-26
Project Schedule

12. Video Shooting / script complete
   a) Goal: Have video complete
   b) 12-01

13. Video Due
   a) Goal: Have video completed and turned in
   b) 12-03