WebPM
Project Management System

Project Plan

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Statement of Work

- State Farm Insurance needs a project tracking system
  - Must be web-based ("front-end")
  - With a SQL database component ("back-end")
  - And must use a Java application to communicate between them
  - That will generate reports in PDF and XLS

Three Tiers

- **First Tier**
  - User communicates via browser
  - With a web-page that accepts queries and displays results
- **Second Tier**
  - Manage transactions
  - Serves as intermediary between first and third-tiers
  - Consists of Java Servlets and/or JSP
- **Third Tier**
  - A SQL database to house project data

Resource Requirements

- Development Workstations
  - Campus computers
  - Network accessible, USB-capable
- Development Tools
  - Subversion VCS
- Collaboration Tools
  - On campus meetings
  - Internet Relay Chat
  - Website with RSS

Required Resources

- Test Environment
  - Server
    - Apache HTTP Server software
    - Tomcat
    - MySql Database Management System
    - PHP/phpMyAdmin

  - Client
    - Multiple browsers (FF, IE, OP, etc.)
    - Multiple operating systems (Linux, Mac, Windows)
    - All available on campus

Risks

Risk	Impact	Action	Probability
Team Cooperation and Availability	Lack of communication or effort can reduce the probability for success	Team should budget time and effort for assigned tasks and required meetings	Low

Risk	Impact	Action	Probability
Inexperience with required technologies	Lack of experience with the technologies the project requires will inhibit the speed in which tasks can be finished	Preliminary research is required to prepare members for the technologies	Moderate

Risks

Risk	Impact	Action	Probability
Limited time-frame	Only one semester is allocated for completion. Any undue delay could cause incompletion.	Proper planning and preparation will limit the chances for delay.	Low

Risk	Impact	Action	Probability
Lack of communication with stakeholders	The stakeholders have limited time to devote to the project. Lack of communication could cause problems.	Project team must adhere to the project plan and convey uncertainties to the stakeholders.	Moderate

Roles

Role	Team Leader
Responsibilities	Responsible for managing the team, maintaining contact with the client, making crucial decisions, maintaining the team website, and managing important documents.
Designated Team Member(s)	Michael Harris

Roles

Role	Web Developer
Responsibilities	Responsible for designing the components that end users will interact with. This includes design and coding of web pages, and developing/acquiring graphics and logos. Must assist with interfacing first and middle tier systems.
Designated Team Member(s)	Everyone

Roles

Role	Server Component Developer
Responsibilities	Responsible for developing the middle-tier components which provide communication between first-tier and third-tier components. Must assist in integration with first and third-tiers.
Designated Team Member(s)	Everyone

Roles

Role	Database Developer
Responsibilities	Responsible for designing and implementing database elements to support the WebPM application. Also is in charge of database administration tasks.
Designated Team Member(s)	Everyone

Schedule

(See Gant chart handout.)

Questions?