IPRO 342 Project Plan

Summer 2009

Development of a Real Time Information System

Advisor: William Mauer

Abstract/Objective -

Midwest Steel & Services, a growing company, needs assistance in expanding its business software and creating the means to provide a better real-time information system. Improved cost controls, purchasing capabilities and job tracking are among the specific issues the company faces. Accessing and sharing the information emanating from these activities will enable the company's management practices to make better decisions and significantly contribute to business growth.

The company's present software and internal processes are insufficient to meet their current and future business needs. The company has asked for the assistance of IPRO 342 to improve this issue. The IPRO team will review and evaluate the current situation and make necessary changes to enhance accuracy and productivity of the data management system. This assessment will come from both a system review as well as interviews of Midwest Steel staff. We will periodically travel to the company to gather information about them and present our findings.

Methodology -

➢ Problem:
  The current System is not able to query the database.

➢ Objective:
  Have the query working to pull up the inventory report, by continuing to develop previous semester's Web-Enabled-Database-Management-System.

➢ Solution:
  Split into two teams:
  1. Business team.
     To consult with the company in order to understand the process of their existing system and figure out their needs.

  2. Programming team.
     Program in PHP, be able to query the database and be able to compile the reports as needed.
     Testing the system to make sure it works as expected.

➢ IPRO Deliverables
  ➢ The team will coordinate the IPRO deliverables and IPRO day tasks.
  ➢ Each member will be assigned to complete part of each deliverable by specific deadlines based on their skills and consent of the entire team.
  ➢ The team will schedule special time for compiling and documenting.
  ➢ The team will schedule special session for modifying draft with advisors.

Semester Budget

Items	Price Estimate
Photocopying	$50.00
Paper & Printing	$50.00
Transportation	$30.00
PHP & SQL Software Programmer	$150.00
Total	$280.00

Team Image

Advisor: William Maurer

Name	Strengths	Year and Major

Derrick Davis   Information Technology Management – 2nd Year

    Strong leadership skills, developed communicator, and knowledgeable in HTML/Javascript/CSS.

Prashanthan Sarendran   Electrical Engineer w/ Computer Science Minor – 4th Year

    Practical experience with real world programming, website designing and database querying.

Matt Kasa   Electrical Engineer – 4th Year

    Knowledge of programming algorithms and appreciable teamwork skills.

Jonathan Roraff   Applied Mathematics – 3rd Year

    Well versed in data analysis and statistical formulation with a background in programming.

Atinder pal Sohal   Electrical Engineer – 4th Year

    Expansive experience in programming and webpage development.

Peter Mathes   Psychology – 4th Year

    Strong people skills—both organizational management and communications.

Jing Kai Tan   Electrical Engineer – 4th Year

    High capability in the field of programming.

Cordell   Engineering Management – 4th Year

    Strong team motivator in addition to management capacity.

Timeline

Task	Start Date	End Date
Retrieve Previous Semester's Data	06/01	06/10
Analyze Data	06/10	06/15
Project Plan	06/15	06/16
Development of Software Application	06/15	06/29
Visit Sponsor		06/19
Midterm Presentation	06/22	06/30
Visit Sponsor		07/06
Reassessing & Development of Software Application	07/06	07/15
Abstract, Brochure, & Poster	07/13	07/21
Practice Presentation	07/20	07/22
IPRO Day		07/23
Final Report	07/13	07/24
CD & Documentation	07/21	07/24