Proposed Project: Student/Staff Programming Problem and Solution Manager (S²P²ASM)

Software Plan Presentation
Client: Dr. Darren Lim
Welcome

Client:
  Dr. Darren Lim
  Assistant Professor
  Siena College

Instructor:
  Dr. Timoth C. Lederman
  Our Professor
  Siena College

Friday 9/25/09
The Team

- Lawrence Gregory - Team Leader
- Christopher Hughto - Webmaster
- Connor Vander Bogart - Organizational and Informational Manager
- Erik Stegmann - Lead Graphics and Interface Designer
- Jedidiah Turnbull - Systems Administrator
Agenda

• Software Engineering Team

• Problem and Software Justification

• Constraints and Goals

• Development Tools and Methodologies

• Development Timeline
The Problem

• Student’s programming projects are time consuming to grade.
• Paper printouts are costly.
• Manual testing is inefficient.
• Manual grading is inefficient.
Software Justification

- Time once consumed for testing and grading will now be available for other things.

- Client no longer needs to individually test and grade each student's work.

- Students will be able to receive instant feedback on their work.
Agenda

- Software Engineering Team
- Problem and Software Justification
- Constraints and Goals
- Development Tools and Methodologies
- Development Timeline
Constraints

- Variety of configurations of browsers and computers.
- System must only accept Java™ code.
- Specific input and output.
- Cross Browser Accessible (All major browsers supported).
Goals

- Fully functional, web based, programming environment.
- Flexible Framework.
- Instant Feedback.
Agenda

• Software Engineering Team
• Problem and Software Justification
• Constraints and Goals

• Development Tools and Methodologies
• Development Timeline
Development Tools

Tools:
• Microsoft Office 2007 Suite
• Microsoft Project
• Macromedia/Adobe Creative Suite 4

Programming Languages:
• XHTML
• CSS
• PHP
• MySQL

Resources:
• Computers in Software Engineering Lab (Refer to Software Plan for more information)
• W3C: Web Standards
• Dr. Lim, Dr. Lederman
Our Development Model

Based off of the Classic Waterfall Model

(A Linear Sequential Subtype)
Agenda

- Software Engineering Team
- Problem and Software Justification
- Constraints and Goals
- Development Tools and Methodologies

**Development Timeline**
What's Next?

- Requirements Specification 10/28/09
- Preliminary Design 12/8/09
- Detailed Design T.B.D.
- Acceptance Test T.B.D.