Welcome

Client:
Dr. Darren Lim
Assistant Professor
Siena College

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

Special Guests & Students
• Erik Stegmann - Team Leader
• Larry Gregory - Senior Software Developer & Database Administrator
• Christopher Hughto - Webmaster
• Jedidiah Turnbull - Systems Administrator
• Connor Vander Bogart - Organizational Information Manager
Agenda

• Team Introduction
• Restatement of Problem
• Project Progression
• Requirements inventory
• Testing
• System Demonstration
• Future Enhancements
• Deliverables
• What’s Next?
• Timeline
• Questions

4/27/2010
Restatement of Problem

- Dr. Darren Lim, an assistant Professor at Siena College, has a busy schedule.
- Programming projects are time consuming to grade.
- Manual testing and grading is inefficient for both students and faculty
Solution to the Problem

• The *Java Online Learning Tool* *(J.O.L.T)*
• Comprehensive web application designed to enhance the experience of learning the Java programming language.
• Capabilities for students enrolled in programming courses to solve programming problems
• Problems can be created by the Computer Science faculty at Siena College.
• Personal gradebook for all students, as well as a course gradebook for Computer Science faculty members which is used to track progress.

*Acceptance Test Document Section 1.4: “Product Overview and Summary” Page 2*
Where we are in Development
Requirements Inventory

• Types

• Provides a basis for understanding between the client and the developers

• Set of criteria to develop the system

• Drives Our Testing

*Section 2.2 of the Acceptance Test Document Pages 3-7*
Requirements Inventory Example (Student)

• Are able to register online with the system. **Met**

• Receive email confirmation following registration. **Met**

• Are able to log into system. **Partially Met**
  • A failed log in displays an appropriate error message. **Met**
  • A link to an identity validation page is provided if password is forgotten. **Not Met**
  • 3 Failed login attempts leads to system lockout. **Met**
Requirements Inventory Totals

• Met: Student: 22, Faculty: 21, Course Coordinator: 12, Administrator: 11, Java SDK: 7

• Unmet: Student: 1, Faculty: 1, Course Coordinator: 5, Administrator: 1, Java SDK: 0

• Partially Met: Student: 1, Faculty: 4, Course Coordinator: 2, Administrator: 2, Java SDK: 0

• Overall: Met: 73, Unmet: 8, Partially Met: 9

• Total: 73/90 Met (~ 81%)
Testing

• Overview
• System Test
• Integration Tests
• Regression Tests
• Unit Tests
• Test Cases

Test Results Document Sections 4.1-4.5 Page 21
<table>
<thead>
<tr>
<th>Pass/Fail Status</th>
<th>Unit Number</th>
<th>Unit Test Name</th>
<th>Date Last Tested</th>
<th>Comments</th>
<th>Integrated with these units</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>1</td>
<td>Header Subtest</td>
<td>04/21/10</td>
<td></td>
<td>All Unit Tests</td>
</tr>
<tr>
<td>P</td>
<td>2</td>
<td>Footer Subtest</td>
<td>04/21/10</td>
<td></td>
<td>All Unit Tests</td>
</tr>
<tr>
<td>P</td>
<td>3</td>
<td>Announcements Subtest</td>
<td>04/21/10</td>
<td></td>
<td>6,19,24,25,37,38,48,49</td>
</tr>
<tr>
<td>F</td>
<td>4</td>
<td>Log In</td>
<td>04/21/10</td>
<td>Reset Password not functional</td>
<td>1,2</td>
</tr>
<tr>
<td>P</td>
<td>5</td>
<td>Register</td>
<td>04/21/10</td>
<td></td>
<td>1,2</td>
</tr>
<tr>
<td>P</td>
<td>6</td>
<td>Admin. Welcome Page</td>
<td>04/21/10</td>
<td>Admin needs to approve their own</td>
<td>1,2,3,7,9,10,11,15,16,22</td>
</tr>
<tr>
<td>P</td>
<td>7</td>
<td>Admin. Manage Pools</td>
<td>04/24/10</td>
<td>Admin needs to approve their own</td>
<td>1,2,8,15,16,17,18,</td>
</tr>
<tr>
<td>P</td>
<td>8</td>
<td>Admin. Pending Problems</td>
<td>04/18/10</td>
<td></td>
<td>1,2</td>
</tr>
<tr>
<td>P</td>
<td>9</td>
<td>Admin. Manage Courses</td>
<td>04/18/10</td>
<td></td>
<td>1,2,</td>
</tr>
<tr>
<td>P</td>
<td>10</td>
<td>Admin. Manage Sandbox</td>
<td>04/24/10</td>
<td></td>
<td>1,2,15,16,17,18</td>
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<td>P</td>
<td>11</td>
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<td>04/18/10</td>
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<td>1,2,12,13,14,23</td>
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<td>P</td>
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<td>P</td>
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<td>04/24/10</td>
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<td>1,2,7,10</td>
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<tr>
<td>F</td>
<td>16</td>
<td>Admin. Create Problem Set</td>
<td>04/24/10</td>
<td>Course Pool appears when not in a</td>
<td>1,2,7,10</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>specific course/section</td>
<td></td>
</tr>
<tr>
<td>Pass/Fail Status</td>
<td>Test Number</td>
<td>Description</td>
<td>Action to perform test (input)</td>
<td>Steps to be Executed</td>
<td>State Before Test</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------</td>
<td>--------------------------</td>
<td>--------------------------------</td>
<td>--------------------------------------</td>
<td>-------------------</td>
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</tr>
<tr>
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<td>6.002</td>
<td>Footer Subtest</td>
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<td></td>
</tr>
<tr>
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<td>6.003</td>
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<tr>
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<td>6.004</td>
<td>Manage Pools button</td>
<td>Click specified button</td>
<td>Load Page, click specified button</td>
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</table>
Future Enhancements

• Detecting recursion
• Report Generation
• Multi-select and drag and drop pool interface
• Views to change user type quickly
• Linkable accounts

Acceptance Test Document Section 2.2.7: Future Enhancements Page 8
Deliverables

• Acceptance Test Document, Test Results Document

• A full copy of the completed team files from the 518 Interactive team directory, including all website files (all folders, files, images, etc.)

• A README.TXT file that explains what files are where.

• Team Song
  • Digital Copy with lyrics superimposed
  • Live Performance with lyrics printed
# Timeline

## J.O.L.T Timeline (Acceptance Test Presentation)

<table>
<thead>
<tr>
<th>Task</th>
<th>Start</th>
<th>End</th>
<th>Duration</th>
<th>% Complete</th>
<th>2010</th>
<th>518 Interactive</th>
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</thead>
<tbody>
<tr>
<td>Team Meetings (Occurs Tuesdays 5:30pm-6:00pm and Thursdays 9:00am-10:00am, Excluding Holidays &amp; Breaks)</td>
<td>1/20/2010</td>
<td>4/30/2010</td>
<td>73</td>
<td>100.0</td>
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<td>Client Meetings (Occurs Tuesdays 4:00pm-5:00pm and Thursdays 3:00pm-4:00pm, Excluding Holidays &amp; Breaks)</td>
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<td>4/30/2010</td>
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<tr>
<td>Detailed Design</td>
<td>1/21/2010</td>
<td>3/8/2010</td>
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<td>Development &amp; Testing</td>
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<td>4/26/2010</td>
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<td>Acceptance Test</td>
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<td>Academic Celebration</td>
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<tr>
<td>End Of Year Party</td>
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<td>5/3/2010</td>
<td>1</td>
<td>0.0</td>
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</tr>
</tbody>
</table>

**Key:**
- Completed Milestone ♦
- Completed Task ☐
- Linked Task ➝
- Incomplete Milestone ♡
- Incomplete Task ☐

*Acceptance Test Document Appendix 3 “Current Timeline”*
What’s Next

• Academic Celebration 4/30/2010

• End of Year Party 5/3/2010

• “We programmed J.O.L.T,” a parody of “I’m on a Boat” (by The Lonely Island, Featuring T-Pain) to be performed by 518 Interactive, Featuring C-Pain™
Questions?

Thank You For Coming