Detailed Design

Automated Excel Grading System

Welcome

Ms. Jami Cotler and Dr. Scott Hunter
And Guests
Agenda

- Project Overview - Jim
- New Prototype Screenshots - Chris & Brian
- Database Design - Josh
- Testing - Vinnie
- What’s Next
Project Overview

- Web Based System
- Students submit labs and pre-labs
- System grades files
- Error reporting
- Keeps track of grades
Agenda

• *Project Overview* - Jim
• *New Prototype Screenshots* - Chris & Brian
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• What’s Next
New Prototype Screenshots

- Link: Prototype Screens
Agenda

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Database Design

• Overview
Personal Information

- Stores data about all users
- Used to display/alter users information

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email</td>
<td>Text</td>
<td>Email address (login)</td>
</tr>
<tr>
<td>First Name</td>
<td>Text</td>
<td>First Name</td>
</tr>
<tr>
<td>Last Name</td>
<td>Text</td>
<td>Last Name</td>
</tr>
<tr>
<td>Password</td>
<td>Text</td>
<td>Created password</td>
</tr>
<tr>
<td>Lab Section</td>
<td>Number</td>
<td>Lab section associated with</td>
</tr>
<tr>
<td>Lecture Section</td>
<td>Number</td>
<td>Lecture section associated with</td>
</tr>
<tr>
<td>Account Type</td>
<td>Text</td>
<td>Either Admin, Student, Lecture Instructor, or Lab Instructor</td>
</tr>
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</table>
Sections

- Stores Instructors section data
- Used to determine each instructor's viewable information
Submissions

- Stores information about submitted files
- Used to alter and display information about submissions
Errors

- Stores information about errors found in submissions
- Used to allow Lab Instructors to view and change errors and grades
Key Files

- Stores information about Grading Keys and Sample Files
- Used to match submissions with keys and perform grading

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Number</td>
<td>Number</td>
<td>Number of current lab</td>
</tr>
<tr>
<td>Location</td>
<td>Text</td>
<td>Location of file</td>
</tr>
<tr>
<td>Type</td>
<td>Text</td>
<td>Lab or Prelab</td>
</tr>
<tr>
<td>Due Date</td>
<td>Date/Time</td>
<td>Due date set by instructor</td>
</tr>
</tbody>
</table>
Relationships
Agenda

• Project Overview - Jim
• New Prototype Screenshots - Chris & Brian
• Database Design - Josh
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• What’s Next
Testing

• Unit Testing
• Integration Testing
• System Testing
Unit Testing

- Smallest testable part of our application
- Each unit is independent of one another
Integration Testing

- Combines individual tests
- Ensures one unit will not affect other units
- Changes
System Test

- Our system as a whole is tested
- Functional Requirements
- External Functions
Agenda

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## Schedule

### New Gantt Chart

<table>
<thead>
<tr>
<th>ID</th>
<th>Task Name</th>
<th>Start</th>
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<tbody>
<tr>
<td>1</td>
<td>Initial Team Meeting</td>
<td>Thu 1/25/07</td>
</tr>
<tr>
<td>2</td>
<td>Weekly Team Meetings</td>
<td>Thu 2/1/07</td>
</tr>
<tr>
<td>15</td>
<td>Initial Client Meeting</td>
<td>Mon 2/5/07</td>
</tr>
<tr>
<td>16</td>
<td>Weekly Client Meetings</td>
<td>Mon 2/12/07</td>
</tr>
<tr>
<td>28</td>
<td>Test Plan</td>
<td>Tue 2/13/07</td>
</tr>
<tr>
<td>29</td>
<td>Detailed Design Development</td>
<td>Mon 2/5/07</td>
</tr>
<tr>
<td>30</td>
<td>Detailed Design Presentation</td>
<td>Tue 3/13/07</td>
</tr>
<tr>
<td>31</td>
<td>Debrief on Presentation</td>
<td>Tue 3/13/07</td>
</tr>
<tr>
<td>32</td>
<td>Acceptance Test Preparation</td>
<td>Tue 3/13/07</td>
</tr>
<tr>
<td>33</td>
<td>Acceptance Test Presentation</td>
<td>Tue 3/13/07</td>
</tr>
<tr>
<td>34</td>
<td>Debrief on Presentation</td>
<td>Tue 5/1/07</td>
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<tr>
<td>35</td>
<td>Academic Celebration</td>
<td>Fri 5/14/07</td>
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<tr>
<td>36</td>
<td>End of Semester Party</td>
<td>Tue 5/8/07</td>
</tr>
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**Project: Oasis Technologies**

**Gantt Chart Date:** Mon 3/5/07

**Task**
- Split
- Progress

**Milestone**
- Summary

**External Tasks**
- External Milestone

**Deadline**
-
What’s Next

• Acceptance Test Document
  – April 30\textsuperscript{th} 2007

• Acceptance Test Presentation
  – May 1\textsuperscript{st} 2007
Summary

• Any Questions or Comments

• Thank You