ITS Graphical Report
Maker Project

Phase Gate Presentation:
Design

31 March 2004
Department of Software Engineering
Team JACT
Agenda

• Project Description and Scope
• Milestones of Phase
• Issues Log
• Updated Schedule
• Design Methodology
• Questions
Project Description

• Develop a tool set which will allow users to create reports containing self-selected or canned data elements and presenting them in a manner the user sees fit.
• Reports will be displayed on a web browser in standard graphical forms.
Scope of the Project

• To provide a new medium to generate graphical reports for upper management review and technical analysis.

• To provide the ITS staff the ability to generate graphical reports using the data from the provided database.

• To allow around-the-clock, online access to all reports that have been prepared in advance and executed on-the-fly.
Milestones of Phase Design

• One Document Deliverable:
  – High Level Design

• Internal Document Deliverable:
  – Detailed Level Design
High Level Design
Detailed Level Design

• Class Diagrams and Sequence Diagrams to define interface for implementation.
• Utilized by the programmers and should be self-describing.
  – Ideally, a separate group of programmers should be able to implement this system from our Detailed Design.
• UML representation chosen.
Issues Log

• Accuracy of Development and Testing
• Platform
• Cost
• Scope of the Project versus Time Allowed
• Schedule Overrun
• Team Member Availability
• Design Tradeoffs
• Technology Concerns
• Contact with Customer Support Staff
• Security
# Updated Schedule

- Extended Design Phase
- Extended Develop Phase

<table>
<thead>
<tr>
<th>Phase Gate</th>
<th>Original Date</th>
<th>Updated Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>March 12(^{th})</td>
<td>March 30(^{th})</td>
</tr>
<tr>
<td>Develop</td>
<td>April 21(^{nd})</td>
<td>April 30(^{nd})</td>
</tr>
<tr>
<td>Test</td>
<td>May 7(^{rd})</td>
<td>No Change</td>
</tr>
<tr>
<td>Deploy</td>
<td>May 21(^{th})</td>
<td>No Change</td>
</tr>
</tbody>
</table>
Design Methodology

• Multiple Architectures
• Compare and Contrast
• Select Appropriate Architecture
• Detailed Level Design
• Design Tools
  – Visio
  – CVS
Next Phase Gate

- System fully implemented.
- Unit Testing Performed, but must perform:
  - Acceptance Test Plan
  - Operational Testing Scenario
- Test Plans created and ready for implementation.
Team Website

• You may track the project status at:
  – http://www.se.rit.edu/~jact

• Questions?