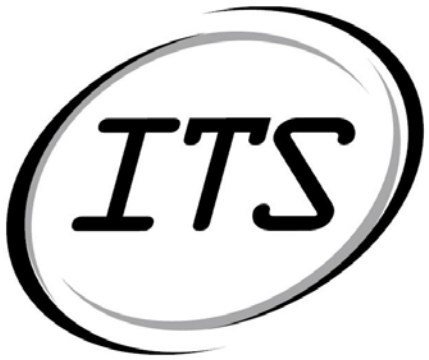


ITS Graphical Report Maker Project

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.

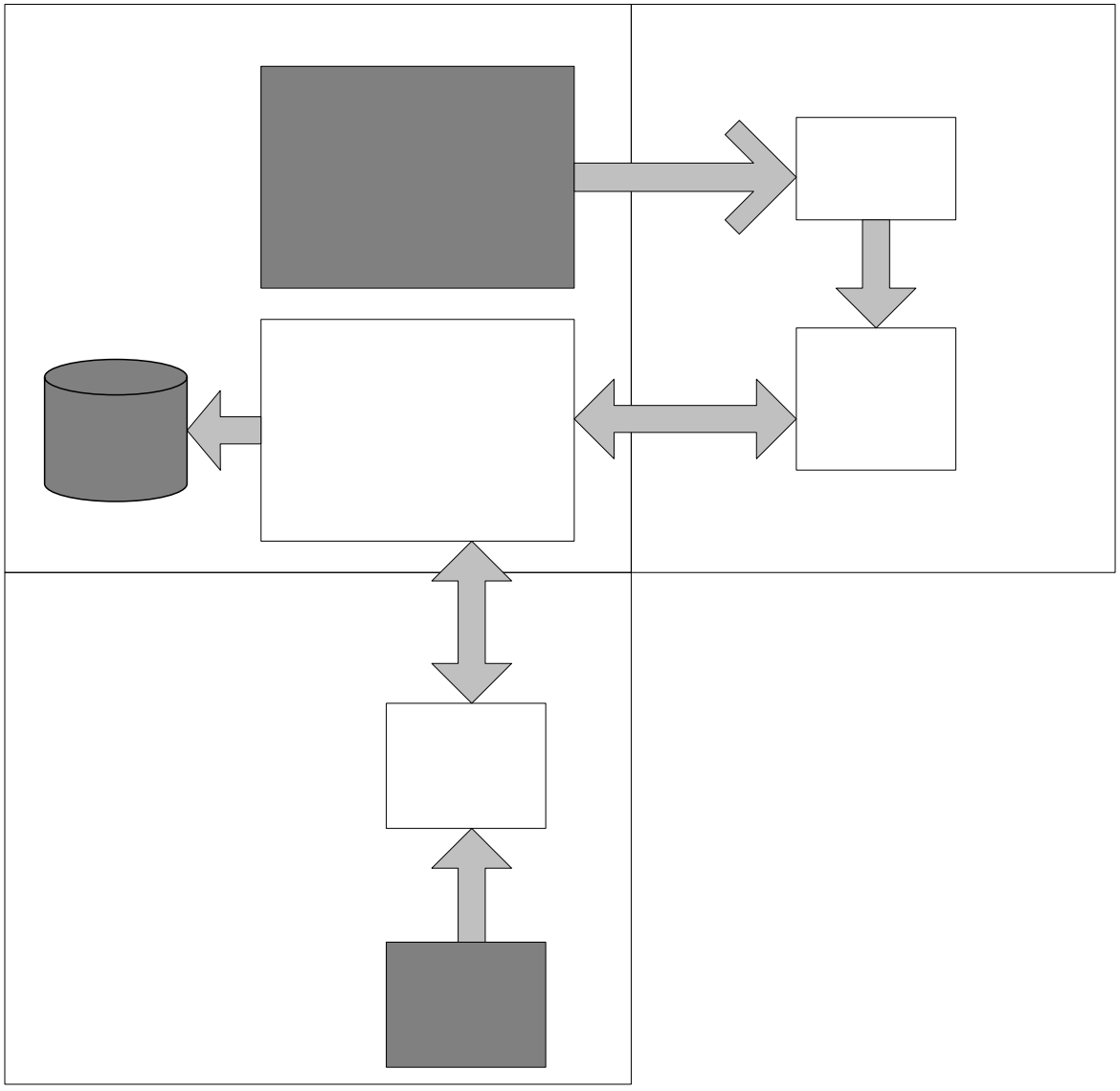
Scope of the Project

- 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



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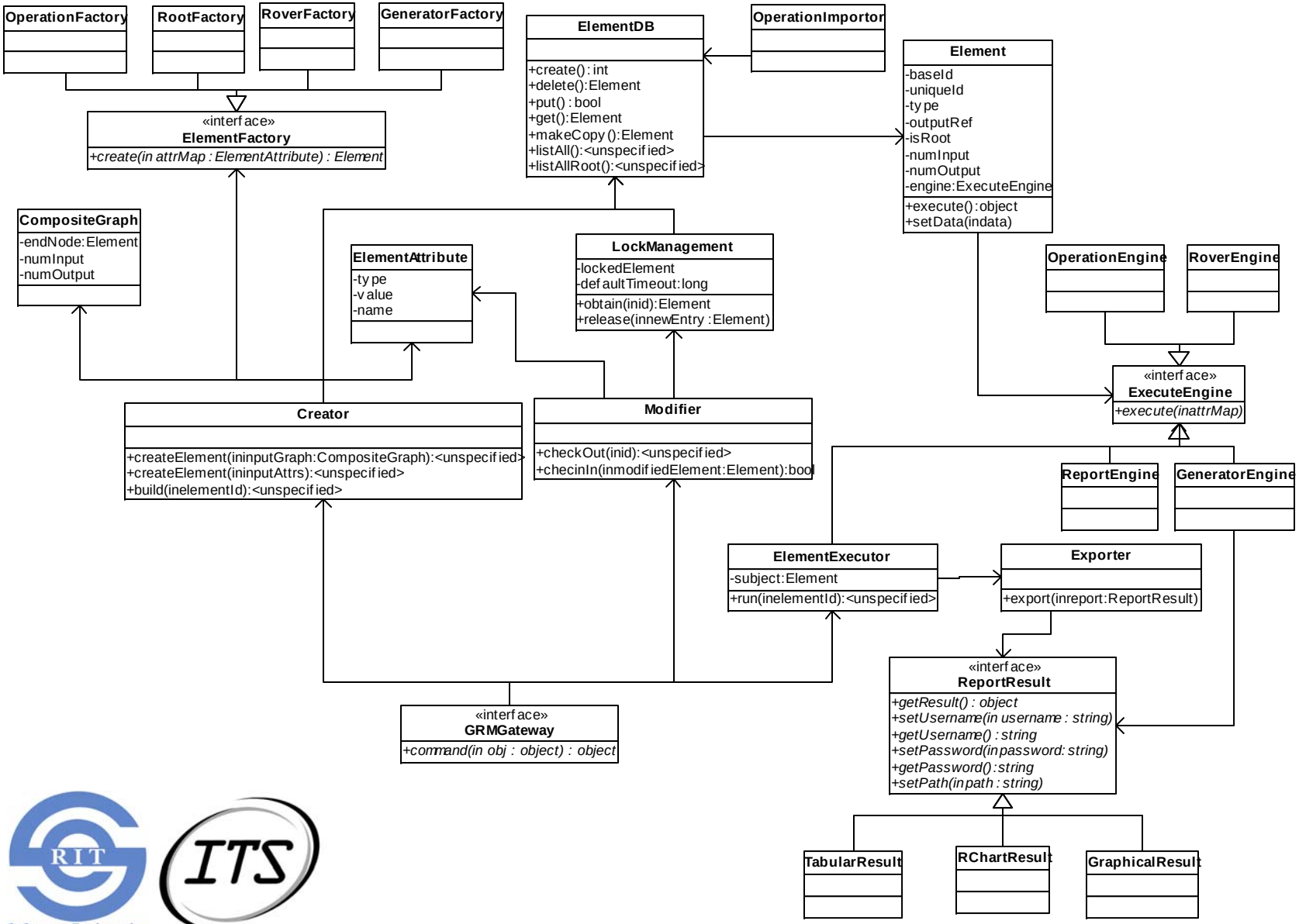
Detailed Level Design

- 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.

Server-Side Class Diagram



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

Phase Gate	**Original Date**	**Updated Date**
Design	March 12th	March 30th
Develop	April 21nd	April 30nd
Test	May 7rd	No Change
Deploy	May 21th	No Change

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?