

Student Co-Op Evaluation System

Patrick Flanagan, Tom Small,
Whitney Sorenson, Dan Volpe,
Chris Woodbury

Outline

- Project Overview
- Process Plan
- Risks
- Design
- Metrics
- Challenges
- Project Status
- Demo

Project Overview

- Online student co-op evaluation system
- Built on top of existing employer evaluation system
- Customer
 - RIT Office of Co-Operative Education and Career Services
- Target Audience
 - Engineering and Engineering Technology

Benefits of System

- Remove the need for paper evaluations
- Provide sophisticated methods of reporting and analysis
- Convenient and easy access to both student and employer evaluations

Main Features

- Easy submission of student evaluations
- Access to saved and completed evaluations
- Customizable reports
- Customizable email notifications and confirmations
- Full integration with existing employer evaluation system

Process

- Agile development
 - Multiple short iterations
 - No major up-front design
 - Refactoring of existing system
- Bugzilla
- Testing

Iteration Cycle

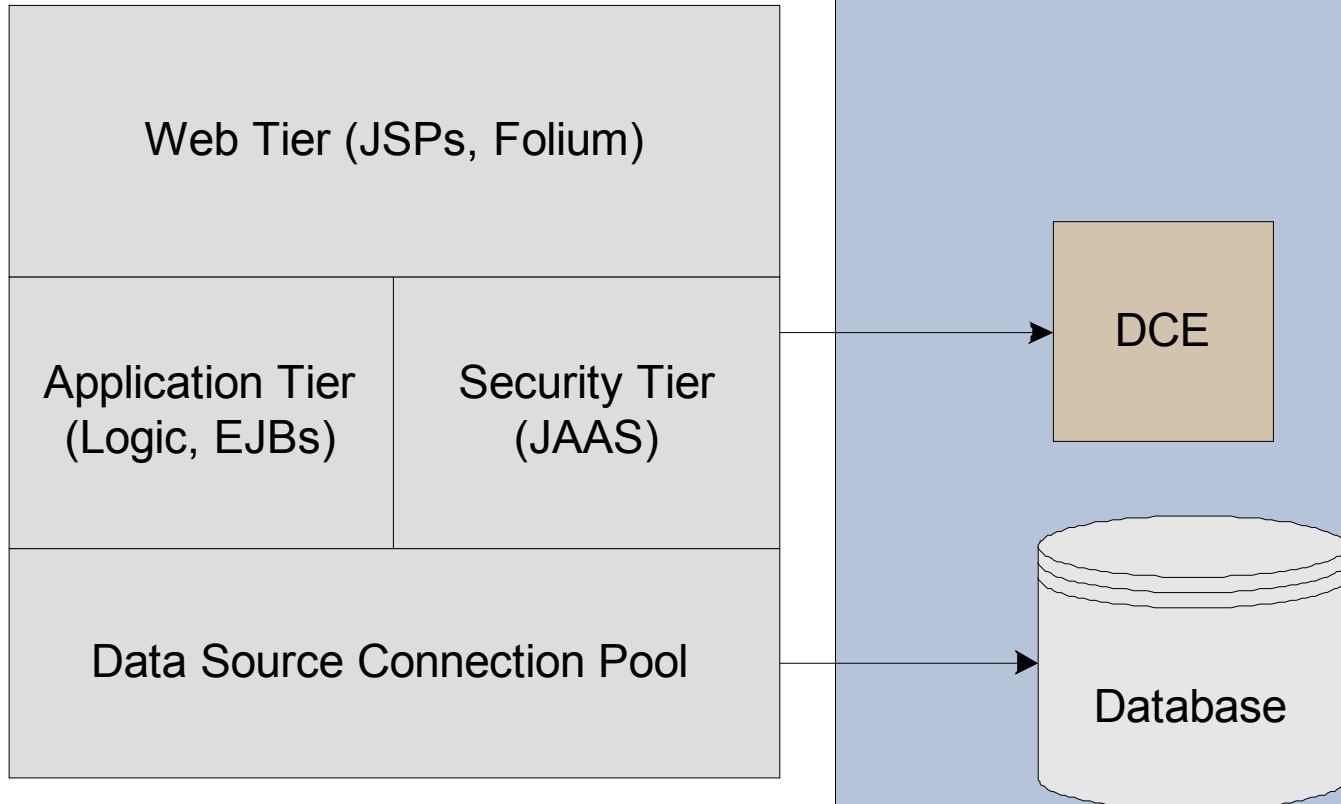
- Identify Goals of Iteration
- Requirements Drill Down
- File Feature Requests into Bugzilla
- Assign Features to Developers
- Implementation
- Integration Testing
- Deployment
- Stakeholder Feedback Session

Risks

Description of Risk	Probability (0 - 1)	Impact
Changing requirements	.75	Medium
Introducing new bugs in existing system	.75	Medium
Configuration of existing system	.75	Medium
Difficulty understanding existing system design	.5	Medium
ITS unavailable or too busy to respond to important requests	.2	Medium
Tight Schedule	.25	Low
CVS Problems	.2	Low

Architecture

Application Server



Components

Student

Logon

View
Form

Save
Form

Submit
Form

Employer

Logon

View
Form

Submit
Form

OCECS Rep

Logon

Pending
Evaluations

Email

Reporting

Department
Management

User
Management

Department

Logon

Email

Key

New

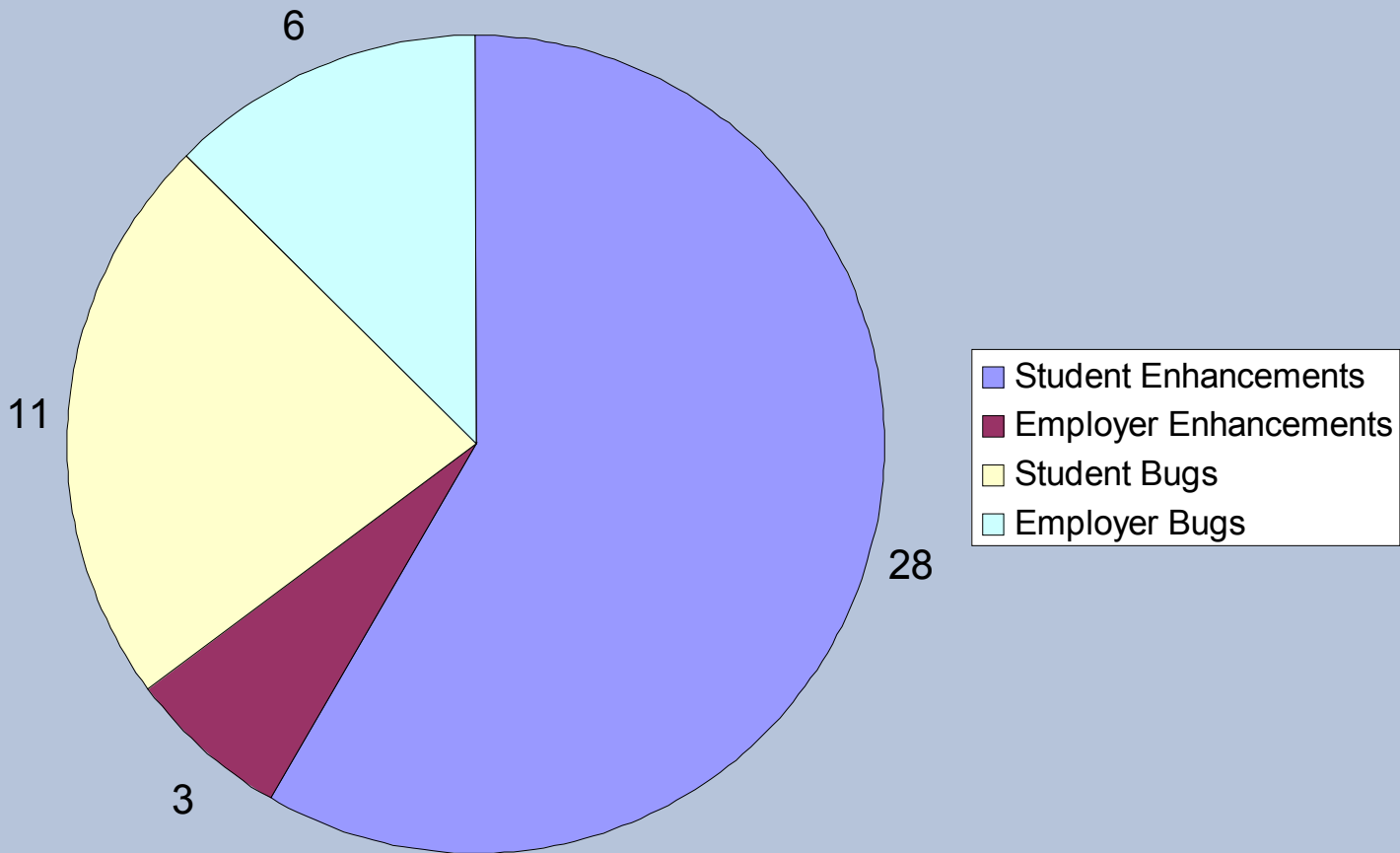
Modified

Existing

Metrics

- Earned Value Chart
- Defect Metrics
- Usability Metrics

Defects



Project Schedule

Quarter	Weeks	Dates	Iteration
042	5 – 8	1/10/05 – 2/4/05	Iteration 1
042	9 – 11	2/7/05 – 2/25/05	Iteration 2
043	1 – 3	3/7/05 – 3/25/05	Iteration 3
043	4 – 6	3/28/05 – 4/15/05	Iteration 4

- Deliver in 6th week
- Planned 2 week buffer

Project Schedule

- Overview of Iterations
 - Iteration 1
 - Student view of system, system & development environment configuration, email system
 - Iteration 2
 - Refactoring, polish student view, dynamic form generation/editing
 - Iteration 3
 - Reporting
 - Iteration 4
 - Usability testing, bug fixes, further polishing

Project Schedule

- Prior to Iteration 1
 - Planning
 - General requirements gathering
 - Familiarization with existing system

Challenges

- Existing Design and Implementation
- Configuration
- Existing Documentation
- Feature Creep
- CVS

Project Status

- Finished Iteration 1
- Currently working on Iteration 2

Demo

Questions