

CSCI 4448 Project 6

Status Summary

Pierce Angeloff

Rahul Shenoy

Project Name

Student Grading & Analysis Application

Work done

- Created the necessary UI windows and elements using the Qt framework
 - Student window work done by Rahul
 - Teacher window work done by Pierce
 - Sign-in page done by Pierce
- Implemented the ability to log in as a student or teacher (credentials optional right now) to reach their respective interfaces
 - Done by Rahul
- Implemented most back-end elements of Courses, Assignments, Teachers, Students
 - Courses and Students done by Rahul
 - Assignments and Teachers done by Pierce

Changes or Issues Encountered

- Incorporating Qt elements into our original project plan
- Double dependencies in C++
 - Solved using forward dependencies

Patterns:

- Singleton Pattern
 - Student and Teacher windows

Class Diagram

[Link](#) (Google Drive)

Plan for Next Iteration

- Implement persistent data saving in CSV files
- Implement elements like Courses and Grades to be shown in the user interface
 - This will use Iterator pattern to iterate through each to be displayed
- Add new Assignment types using inheritance
- Add AssignmentFactory class using Factory pattern for creating Assignments
- Add Decorator pattern for Assignments
 - Extra credit and bonus points
- Analysis Tools
 - This will use Strategy pattern