

Student-Course Assessment Tool

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Project Objectives:

The goal of Student-Course Assessment Tool (aka SCAT) is the creation of a user-maintained program that would integrate with Moodle to allow for easy data collection, data analysis, and data displays of degree programs, individual courses, and student performance at a university.

SCAT should be easy to use and configure, as well as being easy to maintain. The program will have some measure of security and privacy for confidential information.

Features:

- ~ Self-populating tables of students, classes, and professors
- ~ easy rating system for professors to rate student's mastery of course outcomes
 - courses outcomes are professor defined class specific learning objects that students should master by the end of the course
 - professors will be able to rate student's achievement of objectives as poor, developing, satisfactory, or good
- ~ survey system for students to rate courses by semester and allow graduating student's to rate overall degree program
 - possible additions to this feature include employer and alumni surveys
- ~ weighted mapping between course satisfaction and student achievement (based on a student's mastery of course outcomes)
- ~ dynamically updated displays

Motivation:

The SCAT is interesting because it allows for easy and fast browsing of the trends of student achievements in classes, an individual student's achievement in their degree program, as well as overall program performance. We hope that through the use of this program, overall course satisfaction as well as student achievement will improve.

This also provides an interesting opportunity to integrate new software with an existing online service (Moodle). Through the use of SCAT, we hope to find new correlation in the data collected.

Milestones:

- Milestone 1 (Sept. 28)
 - Requirement Document
 - Design Document
 - Test Plan
- Milestone 2 (Oct. 26)
 - Implement, test, and demo:
 - Basic Moodle/ABET Tool integration
 - Required databases
 - Survey system
- Milestone 3 (Nov. 30)
 - Implement, test, and demo
 - Professor rating system
 - Analysis System
 - Display System

Task Matrix:

Task Matrix for Milestone 1

Task	Chris	Matt	Zax
Requirement Document	Write 60%	Write 20%	Write 20%
Design Document	Write 40%	Write 30%	Write 30%
Test Plan	Write 0%	Write 50%	Write 50%

"I have discussed with the team and approve this project plan. I will evaluate the progress and assign a grade for each of the three milestones."

Signature: _____ Date: _____