

Course Assessment Tool Requirements Document

CSE 4101

Computer Science Projects

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Data Analysis Related Requirements

Requirement: Course Satisfaction - Navigation

Type	Functional
Description	Professors will be able to navigate to a course report page that will display links to navigate to all course satisfaction related material
Fit Criterion	Link works well, navigation is easy, webpage displays properly
Priority	medium
Dependencies	Need course report webpage for navigation purposes

Requirement: Course Satisfaction - Topics Add/Remove - Comment Display

Type	Functional
Description	Professors will be able to see a list of student comments of what topics should be added or removed
Fit Criterion	Comment Display is easily navigated
Priority	medium
Dependencies	-need course satisfaction topics add/remove database to be up and running -need student questionnaire up to gather data

Requirement: Course Satisfaction - Topics Learned Well - Trend Display

Type	Functional
Description	Professors will be able to see each course outcome and the percentage of students in class that have said they learned it well
Fit Criterion	Trend Display is accurate and easily understood
Priority	high
Dependencies	-need course satisfaction topics learned well database to be up and running -need student questionnaire up to gather data

Requirement: Course Satisfaction - Parts of Class liked by Students - Trend Display

Type	Functional
Description	Professors will be able to see a ~~~~~table or comment or both (both would be better)
Fit Criterion	Trend Display is accurate and easily understood
Priority	high
Dependencies	-need course satisfaction parts of class liked by students database to be up and running -need student questionnaire up to gather data

Requirement: Course Satisfaction - Course improvement suggestions - Comment Display

Type	Functional
Description	Professors will be able to see a list of course improvement suggestions from students
Fit Criterion	Comment display is easily navigated
Priority	low
Dependencies	-need course satisfaction course improvement suggestions database to be up and running -need student questionnaire up to gather data

Requirement: Program Satisfaction - Navigation

Type	Functional
Description	Professors will be able to navigate to a program report page that will display links to navigate to all program satisfaction related material
Fit Criterion	Link works well, navigation is easy, webpage displays properly
Priority	low
Dependencies	-need program report webpage for navigation purposes

Requirement: Program Satisfaction - Classes liked by graduating students - Trend Display

Type	Functional
Description	Professors will be able to see a table displaying a each class with percentage of those surveyed who liked the class vs. all students surveyed
Fit Criterion	Trend Display is accurate and easily understood
Priority	medium
Dependencies	-need program satisfaction classes liked by graduation students database to be up and running -need graduating student questionnaire up to gather data

Requirement: Program Satisfaction - Classes disliked by graduating students - Trend Display

Type	Functional
Description	Professors will be able to see a table displaying a each class with percentage of those surveyed who disliked the class vs. all students surveyed
Fit Criterion	Trend Display is accurate and easily understood
Priority	medium
Dependencies	-need program satisfaction classes liked by graduation students database to be up and running -need graduating student questionnaire up to gather data

Requirement: Program Satisfaction - Program improvement suggestions - Comment Display

Type	Functional
Description	Professors will be able to see a list of program improvement suggestions from students
Fit Criterion	Comment display is easily navigated
Priority	low
Dependencies	-need program satisfaction improvement suggestions database to be up and running -need graduating student questionnaire up to gather data

Student Related Requirements

Requirement: Students must be able to rate professors

Type	Functional
Description	Rate professor's by taking a survey linked to a specific class which will appear halfway through the semester.
Fit Criterion	Should instantly update and respond to student with message.
Priority	High
Dependencies	Student's must be linked to a specific professor in order to properly generate rating surveys. Also, survey should only appear halfway through class with professor and no sooner.

Requirement: Students must be able to rate class

Type	Functional
Description	Rate class by taking a survey which will appear halfway through a semester.
Fit Criterion	Should instantly update and respond to student with message.
Priority	High
Dependencies	Student's must be linked to a specific classes in order to take the survey. Survey should appear halfway through class, no sooner.

Requirement: Students must be able to rate degree program

Type	Functional
Description	Rate degree program by taking a survey during their last semester.
Fit Criterion	Should instantly update and respond.
Priority	Moderate
Dependencies	Student must be contacted during last semester. Someone may have to link student to survey, however, as Moodle may not be able to keep track of Student's degree progress.

Requirement: Students should be able to see professor's ratings of their achievements

Type	Functional
Description	See their standing in class based on their course objective achievements.
Fit Criterion	Should have statistics populated by professor rating student.
Priority	Moderate
Dependencies	Professor must first rate student.

Requirement: Students should get automatic e-mail updates as to when they are able to take surveys

Type	Functional
Description	Send out e-mails to students to alert them of surveys they can take about classes, professors, or degree programs.
Fit Criterion	Confirms e-mail was received when link is clicked by student.
Priority	Moderate
Dependencies	Student's must have inputted a valid e-mail and subscribed to moodle class list in order for the e-mail system to correctly work.

Requirement: Students should not be able to see other student's responses to surveys or other students standing in a specific class

Type	Non-functional
Description	Students should only be able to view their specific survey-related responses and class standing. No visibility with other students.
Fit Criterion	Obviously, students are only allowed to see themselves.
Priority	High
Dependencies	Moodle must have this capability.

Requirement: Easy to use

Type	Non-functional
Description	Students must be easily able to do all the surveys and view their statistics. It should be easy to access, and not be cumbersome.
Fit Criterion	Testing
Priority	High
Dependencies	Moodle's current GUI.

Professor Related Requirements

Requirement: Professors must be able to rate student's course outcome achievement

Type	Functional
Description	Rate student's course outcome achievement level as poor, developing, satisfactory, or mastered
Fit Criterion	Should respond with table of modified student's course outcome achievement level
Priority	High
Dependencies	Professors should have access to modify/update student's course outcome achievement levels as needed.

Requirement: Professors must be able to change course outcomes

Type	Functional
Description	Each course will have a set of about 7 learning objectives, (aka course outcomes)
Fit Criterion	Should instantly update and respond to professor with a list of the current course outcomes
Priority	High
Dependencies	Course outcomes must be tied to a specific course

Requirement: Professors should be able to see students' evaluation of the course

Type	Functional
Description	Professors should be able to see students' response to Course Evaluation Survey.
Fit Criterion	Should display organized students' evaluations.
Priority	Moderate
Dependencies	Student must be contacted during semester. Someone may have to link student to survey.

Requirement: Professors should be able to see a class report at the end of the semester

Type	Functional
Description	Overall report including class satisfaction survey, students' course outcome achievements, students' grades, and any other related data analysis.
Fit Criterion	Should be automatically generated and emailed to professor a set period of time after the semester ends.
Priority	Moderate
Dependencies	Students must have taken all survey exams, professor must have rated all students course outcome achievement levels, data analysis works properly.

Requirement: Professor should have ability to select what course to do explore.

Type	Functional
Description	System should provide an easily navigable webpage that links to courses the professor is currently teaching.
Fit Criterion	Successful navigation to the homepage of the course the professor selected.
Priority	Moderate
Dependencies	Course-professor relation must be established in database and display accordingly.