

Use Case Document

Name	Date	Reason For Changes	Version
Nat Welch	2/1/09	Merged wiki versions of use cases	0.420
Katherine Blizzard	2/3/09	Made so many changes	1.410
Nat Welch	2/4/09	Made even more changes	1.420
Katherine Blizzard	2/5/09	Reworked all of the “Modified” Use Cases	1.430
Victor Gerdin	2/9/09	Added more Use Cases	1.440
Nat Welch	2/9/09	Merged Victor's Work and re-factored list	1.510
Nat Welch	2/10/09	Continued Merging and Editing	1.542
Nat Welch	2/17/09	Added Katherine's Work and did some major edits	2.001
Nat Welch	2/20/09	More clean up of document	2.100
Michael Quan	3/08/09	Added use case and made revisions	2.2
Michael Quan	3/10/09	More Revisions	2.3
Viktor Gerdin	03/11/09	Text Revisions, all but last 4 done, needs layouting	2.4

Student

- 1.View Announcements
- 2.View grade
- 3.Check Course standing
- 4.Predict Grades Needed For Final Grade
- 5.View Metrics

All

- 6.Printer Friendly page
- 7.Download file
- 8.Upload File
- 9.Reset Password
- 10.Change Password

Teacher, Teacher Assistant

11. Add Course
12. Remove Course
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14. Add Users
15. Remove Users
16. Edit Users
17. Add Assignment
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19. Edit Assignments
20. Add Announcement
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Use Case	UC-1	Use Case Name	View Announcements
Created By	Nat Welch	Last Modified By	Viktor Gerdin
Date Created	1/26/09	Last Change	03/11/09
Actor	Student, Teacher, Teacher Assistant		
Description	Actor can view all posted Announcement(s) sorted with the most recently posted Announcement at the top of the list.		
Pre-conditions	Actor is associated (enrolled/teaching/helping) in the Course . Actor is authenticated with the system.		
Post-conditions	A Announcement list as specified in the description is displayed.		
Normal Flow	1.Actor selects "View Announcements" 2.System displays list of all of the Announcement(s) 3.Actor selects an Announcement 4.System displays content of Announcement		
Alternate Flow	None		
Frequency of Use	Once a day		
Exceptions	If no Announcement has been made the system displays a "No announcements" message.		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	None		
Priority	High		

Use Case	UC-2	Use Case Name	View Grade
Created By	Nat Welch	Last Modified By	Viktor Gerdin
Date Created	1/25/09	Last Change	03/11/09
Actor	Student		
Description	The System displays a table that summarizes all of the grades the Actor has received for a Course . This summary includes the Assignment Name , Assignment Grade , and Assignment Total for each Assignment .		
Pre-conditions	Actor is enrolled in the Course . Actor is authenticated with the system.		
Post-conditions	The Assignment list as specified in the description is displayed.		
Normal Flow	1.Actor selects to "View Grade" 2.System presents a table of containing Assignment Name , Assignment Grade , Assignment Total and a Total Grade . 3.Actor can choose to sort information by any of the table columns.		
Alternate Flow	None		
Frequency of Use	Once a week		
Exceptions	If an Assignment has not been graded yet, System displays a table with Assignment names but the Assignment Score is not displayed. If no Assignment has been assigned yet, System displays the words "No Assignments Yet" instead of the table.		
Includes	None		
Special Requirements	The Student can see only his own grades. This is a requirement specified by the Peer-Grading section of FERPA.		
Assumptions	None		
Notes and Issues	None		
Priority	High		

Use Case	UC-3	Use Case Name	Check Course Standing
Created By	Nat Welch	Last Modified By	Viktor Gerdin
Date Created	1/30/09	Last Change	03/11/09
Actor	Student		
Pre-conditions	Actor is enrolled in the Course . Actor is authenticated with the System.		
Post-conditions	None		
Description	The System displays a selection of graphs that show a comparison of the Assignment Grades and Total Grades of all the Student(s) in the Course .		
Normal Flow	1.Actor selects "Check Course Standing" 2.System displays comparison metrics.		
Alternate Flow	None		
Frequency of Use	Once a week		
Exceptions	If the Student is alone in the Course , the system displays an error message. If no Assignment Grades exist, system displays an error message. If no Assignment Grades have been graded yet, system displays an error message.		
Includes	None		
Special Requirements	A Student should not be able to discern the identity of other Student in the Course . This requirement comes from FERPA.		
Assumptions	None		
Notes and Issues	None		
Priority	Medium		
Notes and Issues	None		
Priority	Medium		

Use Case	UC-4	Use Case Name	Predict Grades Needed For Final Grade
Created By	Michael Quan	Last Modified By	Viktor Gerdin
Date Created	2/20/09	Last Change	03/11/09
Actor	Student		
Pre-conditions	Actor is enrolled in the Course . Actor is authenticated with the system.		
Post-conditions	None		
Description	The System displays the remaining Assignment Scores in a Course the Actor will need to obtain in order to receive a Total Grade of choice. The System will add up points necessary to get a Total Grade and always will pick the highest scores possible for remaining Assignment(s) .		
Normal Flow	<ol style="list-style-type: none"> 1. Actor selects "Predict Grades Needed For Final Grade" 2. System displays available Total Grades possible. 3. Actor picks available Total Grade 4. System displays the needed Assignment Grades for ungraded Assignments to get a desired Total Grade. 		
Alternate Flow	None		
Frequency of Use	Once a week		
Exceptions	<p>If there are no more ungraded Assignments, system display an error message.</p> <p>If no Assignment Grades have been graded yet, system displays an error message.</p>		
Includes	None		
Special Requirements	None		
Assumptions	The system will always predict the highest grade for each Assignment		
Notes and Issues	None		
Priority	Medium		
Notes and Issues	None		
Priority	Medium		

Use Case	UC-5	Use Case Name	Printer Friendly Display
Created By	Michael Quan	Last Modified By	Viktor Gerdin
Date Created	1/31/09	Last Change	03/11/09
Actor	Student, Teacher, Teacher Assistant		
Pre-conditions	Actor must be authenticated with the system.		
Post-conditions	None		
Description	The System displays a page that minimizes color usage by having no images and text that is formatted to be 8.5 x 11 inches wide in grayscale.		
Normal Flow	<ol style="list-style-type: none">1.Actor selects "Printer Friendly Display"2.System displays the previous display the actor was viewing in the manor described in the description.3.Actor prints the page		
Alternate Flow	None		
Frequency of Use	Once a week		
Exceptions	None		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	None		
Priority	Low		

Use Case	UC-6	Use Case Name	Download File
Created By	Michael Quan	Last Modified By	Viktor Gerdin
Date Created	1/31/09	Last Change	03/11/09
Actor	Student, Teacher, Teacher Assistant		
Pre-conditions	Actor is associated with (enrolled/teaching/helping) the Course . Actor is authenticated with the system.		
Post-conditions	None		
Description	Actor can download Files previously posted in the System for individual Assignments .		
Normal Flow	<ol style="list-style-type: none"> 1. Actor selects "Download File" 2. System displays list of Assignments that have Files available for download. 3. Actor selects Assignment from list. 4. System displays Files that are available for download. 5. Actor selects File and saves it to external system. 		
Alternate Flow	None		
Frequency of Use	Weekly		
Exceptions	If there are no Assignments with available Files for download, system display an error message.		
Includes	None		
Special Requirements	<p>A Student can only see Files that are uploaded (see UC-8) by a Teacher, Teacher Assistant or himself.</p> <p>A Teacher, Teacher Assistant can see any uploaded Files.</p>		
Assumptions	None		
Notes and Issues	None		
Priority	Medium		
Notes and Issues	None		
Priority	Medium		

Use Case	UC-7	Use Case Name	Upload File
Created By	Michael Quan	Last Modified By	Viktor Gerdin
Date Created	2/20/09	Last Change	03/11/09
Actor	Student , Teacher, Teacher Assistant		
Pre-conditions	Actor is associated with (enrolled/teaching/assisting) the Course . Actor is authenticated with the system. Actor has Upload File Permission .		
Post-conditions	None		
Description	Actor can upload Files for Assignments accepting Files .		
Normal Flow	<ol style="list-style-type: none"> 1. Actor selects "Upload File" 2. System displays list of Assignments that are accepting Files 3. Actor selects Assignment from list 4. Actor selects Files to upload from external system 5. System stores uploaded File 		
Alternate Flow	None		
Frequency of Use	Once a week		
Exceptions	If there are no Assignments accepting Files for upload, system displays an error message.		
Includes	None		
Special Requirements	None		
Assumptions	Teacher decides if an individual Assignments can accept Files		
Notes and Issues	None		
Priority	Medium		
Notes and Issues	None		
Priority	Medium		

Use Case	UC-8	Use Case Name	Reset Password
Created By	Nat Welch	Last Modified By	Viktor Gerdin
Date Created	2/9/09	Last Change	03/11/09
Actor	Student, Teacher, Teacher Assistant		
Pre-conditions	Actor exists in the System		
Post-conditions	A random Password is send to the Actor in an Email .		
Description	Actor selects to reset their Password if they forgot it. Once the selection is made a confirmation Email is sent to the Actor's Email Address . Once the confirmation is validated, the Actor is sent a new Password randomly generated by the system.		
Normal Flow	<ol style="list-style-type: none"> 1.Actor selects "Reset Password" 2.System prompts for Username 3.Actor provides Username 4.System sends confirmation Email 5.Actor confirms Password reset 6.System generates a new Password 7.System changes old Password to newly generated Password 8.System sends Email with new Password 		
Alternate Flow	None		
Frequency of Use	Very Rarely		
Exceptions	None		
Includes	None		
Special Requirements	None		
Assumptions	Email Address stored is correct.		
Notes and Issues	None		
Priority	Medium Low		

Use Case	UC-9	Use Case Name	Change Password
Created By	Michael Quan	Last Modified By	Viktor Gerdin
Date Created	3/08/09	Last Change	03/11/09
Actor	Student, Teacher, Teacher Assistant		
Pre-conditions	Actor is authenticated with the System		
Post-conditions	New Password is emailed to the Actor.		
Description	Actor is able to change their Password to anything he wants as long as it complies with security requirements.		
Normal Flow	<ol style="list-style-type: none"> 1.Actor selects "Change Password" 2.System prompts Actor for current Password 3.System prompts Actor for new Password 4.System prompts Actor to repeat new Password 5.If Password is repeated correctly the System changes the Actor's Password and sends it to Actor's email account 		
Alternate Flow	None		
Frequency of Use	Once a quarter		
Exceptions	<p>If the Actor enters incorrect current Password, the System does not change the Actor's Password to the new one and displays "Incorrect current password."</p> <p>If the Actor repeats new Password incorrectly, the System does not change the Actor's Password to the new one and displays "Password mismatch"</p> <p>If the new Password does not comply with security requirements, the System does not change the Actor's Password to the new one and displays "New password does not meet required standards"</p>		
Includes	None		
Special Requirements	New Password must comply with security requirements. (see SE-5 in SRS section 5)		
Assumptions	None		
Notes and Issues	None		
Priority	Medium		

Use Case	UC-10	Use Case Name	View Metrics
Created By	Michael Quan	Last Modified By	Viktor Gerdin
Date Created	02/20/09	Last Change	03/11/09
Actor	Student		
Pre-conditions	Actor is be enrolled in the Course . Actor is authenticated with the system.		
Post-conditions	None		
Description	The System displays the mean, median, and mode of the Total Grades and Assignment Grades of all Students enrolled in a Course .		
Normal Flow	1.Actor selects View Metrics 2.System displays list of mean, median, and mode of all Assignment Grades and Total Grades in a Course		
Alternate Flow	None		
Frequency of Use	Once a week		
Exceptions	If there are no graded Assignments , the System displays an error message.		
Includes	None		
Special Requirements	None		
Assumptions	The System will round metric values to nearest hundredth of a point		
Notes and Issues	None		
Priority	Medium		
Notes and Issues	None		
Priority	Medium		

Use Case	UC-11	Use Case Name	Add a Course
Created By	Nat Welch	Last Modified By	Viktor Gerdin
Date Created	1/27/09	Last Change	03/11/09
Actor	Teacher, Teacher Assistant		
Pre-conditions	Actor must be authenticated with the system.		
Post-conditions	The Course is stored by the System.		
Description	The Actor creates a Course .		
Normal Flow	<ol style="list-style-type: none"> 1.Actor selects "Create Course" 2.Actor enters Course Title. 3.Actor enters Course Section and Course Number. 4.System provides standard values for Grading Rules. 5.Actor selects "Save Course" 6.System stores the Course 		
Alternate Flow	None		
Frequency of Use	Once a week		
Exceptions	None		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	Teacher Assistant must have the Manage Course Permission to perform this action.		
Priority	High		

Use Case	UC-12	Use Case Name	Remove Course
Created By	Nat Welch	Last Modified By	Viktor Gerdin
Date Created	1/27/09	Last Change	03/11/09
Actor	Teacher, Teacher Assistant		
Pre-conditions	Actor is associated with (teaching/helping) the Course . Actor is be authenticated with the System.		
Post-conditions	The Course specified by Teacher is deleted.		
Description	The Actor deletes a Course .		
Normal Flow	<ol style="list-style-type: none"> 1.Actor selects Remove 2. Actor selects a Course to remove 3.The System prompts the Actor to confirm removal 4.Actor confirms removal of selected Course 5.System removes Course 		
Alternate Flow	None		
Frequency of Use	Very Rarely		
Exceptions	None		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	<p>Teacher Assistant must have the Manage Course Permission to perform this action.</p> <p>The confirmation must be complicated enough to avoid accidental removal of a Course.</p>		
Priority	Medium High		

Use Case	UC-13	Use Case Name	Edit Course
Created By	Nat Welch	Last Modified By	Viktor Gerdin
Date Created	1/27/09	Last Change	03/11/09
Actor	Teacher, Teacher Assistant		
Pre-conditions	Actor is associated with (teaching/helping) the Course . Actor is authenticated with the System		
Post-conditions	The Course specified by the Actor has been modified to specifications made by the Actor		
Description	The Actor can add and remove any Student or Teacher Assistant from a Course . The Actor can change the attributes of a Course .		
Normal Flow	<ol style="list-style-type: none"> 1. Actor selects a Course to edit. 2. System displays the Course's attributes. 3. System displays a list of users associated with (enrolled/helping) the Course. 4. Actor changes one or more of the attributes displayed. 5. Actor confirms changes. 6. System stores the adjusted Course. 		
Alternate Flow	None.		
Frequency of Use	Once a week		
Exceptions	If no Course exists, the System throws an error and redirects the Teacher to Add Course (UC-11).		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	Teacher Assistant must have the Manage Course Permission to perform this action.		
Priority	Medium High		

Use Case	UC-14	Use Case Name	Add Users
Created By	Nat Welch	Last Modified By	Viktor Gerdin
Date Created	1/27/09	Last Change	03/11/09
Actor	Teacher, Teacher Assistant		
Pre-conditions	Actor is authenticated with the system		
Post-conditions	The new user is stored by the system. The new user is notified by Email with their Account's attributes.		
Description	The Actor adds a new user to the System by inputting the new Account's attributes.		
Normal Flow	<ol style="list-style-type: none"> 1. Actor selects "Add User" 2. System prompts for Account attributes (except Password) 3. Actor provides prompted Account attributes. 4. Actor confirms Account creation. 5. System generates a random Password 6. System stores new Account 7. System notifies new user by Email containing Account attributes. 		
Alternate Flow	None		
Frequency of Use	Twice a quarter.		
Exceptions	If Username or Email Address is already in use, System displays an error and Actor must correct the error to continue.		
Includes	None		
Special Requirements	Generated Password must comply with security requirements. (see SE-5 in SRS section 5)		
Assumptions	Someone has provided user information to the Actor.		
Notes and Issues	Teacher Assistant must have the Manage User Permission to perform this action.		
Priority	High		

Use Case	UC-15	Use Case Name	Remove User
Created By	Viktor Gerdin	Last Modified By	Viktor Gerdin
Date Created	2/09/09	Last Change	03/11/09
Actor	Teacher, Teacher Assistant		
Description	Actor can remove an Account from the system. The system will notify the Account holder about the termination of the Account .		
Pre-conditions	The Actor is authenticated with the system.		
Post-conditions	Any <i>other</i> Account must be unaffected by the removal of an Account .		
Normal Flow	<ol style="list-style-type: none"> 1. Actor selects a Account for removal 2. System prompts for conformation to remove Account 3. Actor verifies the request to remove Account 4. System removes Account data from storage 5. System notifies Account holder of termination of Account. 		
Alternate Flow	<u>At step 5 of Normal Flow:</u> 5a. Actor selects to cancels the request to remove Account 6a. System returns to step 1 <i>without</i> removing the Account		
Frequency of Use	Once a quarter		
Exceptions	If Account could not be removed, the System displays an error.		
Includes	None		
Special Requirements	If Actor removes its own Account the system must immediately deny any further access to the Actor. No one can remove the Teacher's Account .		
Assumptions	None		
Notes and Issues	Teacher Assistant must have the Manage User Permission to perform this action.		
Priority	High		

Use Case	UC-16	Use Case Name	Edit User
Created By	Viktor Gerdin	Last Modified By	Viktor Gerdin
Date Created	2/09/09	Last Change	03/11/09
Actor	Teacher, Teacher Assistant		
Description	The Actor can edit an Account in the System. The System will notify the Account holder about any changes made.		
Pre-conditions	The Actor must be authenticated by the system.		
Post-conditions	Any <i>other Account</i> must be unaffected by the editing of an Account . Password must comply with security requirement SE-5. (See Section 5 in SRS)		
Normal Flow	<ol style="list-style-type: none"> 1. Actor selects a Account for editing 2. System displays the selected Account 3. Actor selects what Account attributes to edit 4. Actor edits selected Account attributes 5. Actor selects to store any changes 6. System stores updated Account data 7. System notifies Account holder of any changed data. 		
Alternate Flow	<p><u>At step 5 of Normal Flow:</u></p> <p>5a. The Actor selects to cancels the edit</p> <p>6a. The system returns to step 1 <i>without</i> altering any Account</p> <p><u>At step 6 of Normal Flow:</u></p> <p>If Password does not comply with SE-4 (see Section 5.3 in SRS)</p> <p>6b. The system displays an error message.</p> <p>7b. The system returns to step 4 <i>without</i> altering any Account</p> <p><u>At step 6 of Normal Flow:</u></p> <p>If Email Address is not a valid address:</p> <p>6c. The system displays an error message.</p> <p>7c. The system returns to step 4 <i>without</i> altering any Account</p>		
Frequency of Use	Once a quarter		

Exceptions	If Account changes could not be stored, the system displays an error.
Includes	None
Special Requirements	If Email Address is changed, both the old and new Email Address are notified of the change. Only the Teacher can edit the Teacher's Account .
Assumptions	None
Notes and Issues	Teacher Assistant must have the Manage User Permission to perform this action. Student with the Manage User Permission can change their own Name , Password and Email Address .
Priority	High

Use Case	UC-17	Use Case Name	Add Assignment
Created By	Nat Welch	Last Modified By	Viktor Gerdin
Date Created	1/27/09	Last Change	03/11/09
Actor	Teacher, Teacher Assistant		
Pre-conditions	Actor is authenticated with the System		
Post-conditions	The Assignment is stored to the System.		
Description	The Actor adds a new Assignment to the system.		
Normal Flow	<ol style="list-style-type: none"> 1.Actor selects "Add Assignment" 2.System prompts for Assignment attributes 3.Actor provides Assignment attributes 4.Actor selects to save Assignment 5.System stores Assignment 		
Alternate Flow	None		
Frequency of Use	Once a week		
Exceptions	If Assignment Name already exists, The System displays an error and the Actor must correct the error to continue.		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	Teacher Assistant must have the Manage Course Permission to perform this action.		
Priority	High		

Use Case	UC-18	Use Case Name	Remove Assignment
Created By	Viktor Gerdin	Last Modified By	Viktor Gerdin
Date Created	2/09/09	Last Change	03/11/09
Actor	Teacher, Teacher Assistants		
Description	The Actor can remove an Assignment from the system. The system recalculates any Assignment Grade dependent on removed Assignment .		
Pre-conditions	The Actor is authenticated by the system.		
Post-conditions	All other Assignment are unaffected by the removal of an Assignment . The calculated Total Grade is updated after the removal of an Assignment		
Normal Flow	<ol style="list-style-type: none"> 1. Actor selects an Assignment for removal 2. System prompts for conformation to remove Assignment 3. Actor verifies the request to remove Assignment 4. System removes Assignment data from storage 5. System displays a message of conformation. 		
Alternate Flow	At step 3 of Normal Flow: 3a. Actor cancels the request to remove Assignment 4a. System returns to step 1 <i>without</i> altering any Assignment		
Frequency of Use	Once a week		
Exceptions	If Assignment could not be removed the system displays an error.		
Includes	None		
Special Requirements	System will automatically (without request) update any stored data so that affected features (UC-2, UC-3, UC-4, UC-5, UC-24, UC-27) will work correctly.		
Assumptions	None		
Notes and Issues	Teacher Assistant must have the Manage Course Permission to perform this action.		
Priority	High		

Use Case	UC-19	Use Case Name	Edit Assignment
Created By	Viktor Gerdin	Last Modified By	Viktor Gerdin
Date Created	2/09/09	Last Change	03/11/09
Actor	Teacher, Teacher Assistant		
Description	Actor can edit an Assignment in the system. The System recalculates any Assignment Grade dependent on changed Assignment .		
Pre-conditions	The Actor is authenticated by the system.		
Post-conditions	All other Assignments are unaffected by the editing of an Assignment . The calculated Total Grade is updated after the editing of an Assignment		
Normal Flow	<ol style="list-style-type: none"> 1. Actor selects an Assignment for editing 2. System displays the selected Assignment 3. Actor selects what Assignment attribute to edit 4. Actor edits selected Assignment attribute 5. Actor selects to store any changes 6. System stores updated Assignment 		
Alternate Flow	<p>At step 5 of Normal Flow:</p> <p>5a. The Actor selects to cancels the edit</p> <p>6a. The system returns to step 1 <i>without</i> altering any Assignment</p> <p>At step 6 of Normal Flow:</p> <p>6a. If any stored data depends on the altered Assignment attributes the system updates any dependent data. See Special Requirements</p>		
Frequency of Use	Once a week		
Exceptions	<p>If Assignment changes could not be stored, the system displays an error..</p> <p>If Actor enters invalid data for Assignment the system displays a message telling the Actor what data is faulty and why.</p>		
Includes	None		
Special Requirements	The system will automatically (without request) update any stored data so that affected features (UC-2, UC-3, UC-4, UC-5, UC-24, UC-27) will work correctly.		

Assumptions	None
Notes and Issues	Teacher Assistant must have the Manage Course Permission to perform this action.
Priority	High

Use Case	UC-20	Use Case Name	Add Announcements
Created By	Katherine Blizzard	Last Modified By	Nat Welch
Date Created	1/31/09	Last Change	2/10/09
Actor	Teacher, Teacher Assistants		
Description	The Actor is able to add a new Announcement for one or more Course(s) .		
Pre-conditions	The Actor is associated with (teaching/helping) the Course . The Actor is be authenticated by the system.		
Post-conditions	The new Announcement is stored within the system		
Normal Flow	<ol style="list-style-type: none"> 1.Actor selects "Add Announcement" 2.System prompts for Announcement attributes 3.Actor provides Announcement attributes 4.Actor selects one or more Course(s) that this Announcement is for. 5.Actor selects to store Announcement 6.System set Announcement Date to the current date. 7.System stores Announcement 		
Alternate Flow	None		
Frequency of Use	Several times a week		
Exceptions	None		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	Teacher Assistant must have Manage Announcement Permission to perform this action.		
Priority	Medium High		

Use Case	UC-21	Use Case Name	Remove Announcement
Created By	Viktor Gerdin	Last Modified By	Viktor Gerdin
Date Created	2/09/09	Last Change	03/11/09
Actor	Teacher, Teacher Assistant		
Description	Actor can remove an Announcement from the system.		
Pre-conditions	Actor is authenticated by the system.		
Post-conditions	All other Announcement are unaffected by the removal of an Announcement .		
Normal Flow	<ol style="list-style-type: none"> 1. Actor selects an Announcement for removal 2. System prompts for conformation to remove Announcement 3. Actor verifies the request to remove Announcement 4. System removes Announcement from storage 		
Alternate Flow	<p>At step 3 of Normal Flow:</p> <p>3a. The Actor cancels the request to remove Announcement</p> <p>4a. The system returns to step 1 <i>without</i> altering any Announcement</p>		
Frequency of Use	Once a week		
Exceptions	If Announcement could not be removed the system displays an error.		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	Teacher Assistants must have the Manage Announcement Permission to perform this action.		
Priority	High		

Use Case	UC-22	Use Case Name	Edit Announcement
Created By	Viktor Gerdin	Last Modified By	Viktor Gerdin
Date Created	2/09/09	Last Change	03/11/09
Actor	Teacher, Teacher Assistant		
Description	Actor can edit an Announcement in the system.		
Pre-conditions	Actor must be authenticated by the system.		
Post-conditions	Any <i>other</i> Announcement must be unaffected by the editing of an Announcement . The system will update AnnouncementDate when storing changes		
Normal Flow	<ol style="list-style-type: none"> 1. Actor selects an Announcement for editing 2. System displays the selected Announcement 3. Actor selects what Announcement attributes to edit 4. Actor edits Announcement attributes 5. Actor selects to store any changes 6. System stores updated Announcement 7. System displays the edited Announcement 		
Alternate Flow	At step 5 of Normal Flow: 5a. Actor selects to cancel the edit 6a. System returns to step 1 <i>without</i> altering any Announcement		
Frequency of Use	Once a week		
Exceptions	If Announcement could not be stored, the system displays an error.		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	Teacher Assistants must have the Manage Announcement Permission to perform this action.		
Priority	High		

Use Case	UC-23	Use Case Name	Send Email
Created By	Katherine Blizzard	Last Modified By	Viktor Gerdin
Date Created	1/31/09	Last Change	03/11/09
Actor	Teacher, Teacher Assistant		
Description	Actor can send an Email to single Student by Username or Email Address or to an entire Course .		
Pre-conditions	The Actor must be authenticated by the system. In case of an Email to a Course the Actor must be associated with (teaching/helping) the Course .		
Post-conditions	Applicable Students receive the Email		
Normal Flow	<ol style="list-style-type: none"> 1.Actor selects "Send Email" 2.System prompts for Email Recipients 3.Actor provides Username, Email Address or Course Number exclusively 4.System validates Email Recipients 5.System prompts for Email attributes 6.Actor provides Email attributes 7.Actor selects to send Email 8.System sends Email to recipients and Actor. 		
Alternate Flow	None		
Frequency of Use	Once a day		
Exceptions	At step 4: If System fails to validate Email Recipients an error message is displayed and Actor must correct error before continuing.		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	Teacher Assistants must have the Send Email Permission to perform this action.		
Priority	Medium Low		

Use Case	UC-24	Use Case Name	Grade Students
Created By	Nat Welch	Last Modified By	Victor Gerdin
Date Created	2/1/08	Last Change	03/11/09
Actor	Teacher, Teacher Assistant		
Description	The Actor can choose a Course to grade and shall be given a list of enrolled Students and Assignments for the Course		
Pre-conditions	Actor is associated with (teaching/helping) the Course . Actor is authenticated with the System.		
Post-conditions	The information is stored to the System.		
Normal Flow	<ol style="list-style-type: none"> 1.Actor selects "Grade Students" 2.System displays a list of Course 3.Actor selects a Course 4.System displays a list of Assignments for selected Course 5.Actor selects an Assignment 6.System displays a list of Students enrolled in the Course and any Assignment Score already designated to them. 7.Actor selects a Student 8.System prompts for Assignment Score 9.Actor enters an Assignment Score 10.Actor selects to store Assignment Score 11.System stores Assignment Score 12.System returns to step 6 		
Alternate Flow	None		
Frequency of Use	Several times a week		
Exceptions	None		
Includes	None		
Special Requirements	None		
Assumptions	All Assignment Scores are set to zero before an Assignment Score is entered.		

Notes and Issues	Teacher Assistant must have Manage Grades Permission to perform this action
Priority	High

Use Case	UC-25	Use Case Name	View Roster
Created By	Nat Welch	Last Modified By	Viktor Gerdin
Date Created	2/1/08	Last Change	03/11/09
Actor	Teacher, Teacher Assistant		
Description	Actor view a list of all Students enrolled in a Course .		
Pre-conditions	Actor is associated with (teaching/helping) the Course . Actor is authenticated with the system.		
Post-conditions	None		
Normal Flow	<ol style="list-style-type: none"> 1. Actor selects a Course 2. The System displays a list of Students enrolled in the Course. 		
Alternate Flow	None		
Frequency of Use	Once a week		
Exceptions	If there are no Students enrolled in the Course , the System displays an error message.		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	A Student's Username, Name, Email Address are displayed in the list.		
Priority	Medium High		

Use Case	UC-26	Use Case Name	Take Attendance
Created By	Nat Welch	Last Modified By	Viktor Gerdin
Date Created	2/1/08	Last Change	3/12/09
Actor	Teacher, Teacher Assistant		
Description	The Actor marks Students as either absent or present at a lecture in a Course		
Pre-conditions	Actor is associated with (teaching/helping) a Course . Actor is authenticated with the system.		
Post-conditions	System stores the new data.		
Normal Flow	<ol style="list-style-type: none"> 1. Actor views a Course as described in UC-25 "View Roster" 2. Actor selects "Take Attendance" 3. The system displays the current date and a list of Students enrolled in the Course. 4. Actor marks present for each present Student. 5. Actor selects to save list. 6. System stores list 7. System returns to "View Roster" 		
Alternate Flow	2a. Actor selects a different date.		
Frequency of Use	Once a week		
Exceptions	If there are no students in the Course , the system throws an error.		
Includes	View Roster		
Special Requirements	None		
Assumptions	None		
Notes and Issues	<p>Not currently implemented in Data Dictionary.</p> <p>Absence is signified by a lack of Present marker.</p> <p>Teacher Assistant must have Manage Course Permission to perform this action.</p>		
Priority	Low		

Use Case	UC-27	Use Case Name	Curve Adjustment
Created By	Nat Welch	Last Modified By	Viktor Gerdin
Date Created	1/27/08	Last Change	3/12/09
Actor	Teacher, Teacher Assistant		
Description	The Actor can monitor the distribution of Total Grades for Students in a Course . The Actor can alter the Grading Rules Percentages to fit a sought Total Grade distribution.		
Pre-conditions	Actor is associated with (teaching/helping) the Course . Actor is authenticated with the System.		
Post-conditions	All Assignment Grades and Total Grades are relabeled according to altered Grading Rules Percentages		
Normal Flow	<p>1.Actor selects "Adjust Grading Curve"</p> <p>2. Actor selects Course</p> <p>3.System displays the two pie chart, showing Grading Rules Percentages respectively the number of Students with Total Grades within each Percentage, and the Curve Adjustment interface.</p> <p>4. Actor alters Grading Rules Percentages with the Curve Adjustment interface</p> <p>5.System displays updated pie charts</p> <p>6.Actor selects to store changed Grading Rules</p> <p>7.The system stores Grading Rules</p>		
Alternate Flow	None		
Frequency of Use	Once a week		
Exceptions	If no Students are enrolled in the Course , the system displays an error.		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	Teacher Assistant must have Manage Grade Permission to perform this action.		
Priority	Medium		

Use Case	UC-28	Use Case Name	Import Data
Created By	Katherine Blizzard	Last Modified By	Viktor Gerdin
Date Created	1/31/08	Last Change	3/12/09
Actor	Teacher, Teacher Assistant		
Description	Actor imports a list containing data from Students or Assignments .		
Pre-conditions	<p>Actor is authenticated with the system.</p> <p>In case of list of Students: Actor has received a data file containing at minimum of Username and Course enrolled in.</p> <p>In case of list of Assignments: Actor has received a data file containing the minimum of Assignment Name, Due Date and Course.</p>		
Post-conditions	The System has stored all [Course and enrolled Students Assignments] to match the result in the imported data file.		
Normal Flow	<ol style="list-style-type: none"> 1.Actor selects "Add Course" 2.Actor selects "Import" 3.System prompts for a file 4.Actor provides a file and selects to import 5.System generates Course (as in UC-11 "Add Course") 6.System generates Student (as in UC-14 "Add User") in the Course 7.System displays generated Course 8.Actor selects to store Course 9.System stores Course. 10.System displays Course 		
Alternate Flow	<p>At step 1:</p> <ol style="list-style-type: none"> 1.Actor selects "Add Assignment" 2.Actor selects "Import" 3.System prompts for a file 4.Actor provides a file and selects to import 5.System generates Assignment (as in UC-17 "Add Assignment") 		

	6. System displays generated Assignments 7. Actor selects to store Assignment 8. System stores Assignments 9.System displays Assignments
Frequency of Use	About twice per week.
Exceptions	If the System can not read the file correctly and error is displayed and System returns to step 1
Includes	None
Special Requirements	None
Assumptions	The System assumes the Actor provides a valid file.
Notes and Issues	None
Priority	Medium Low

Use Case	UC-29	Use Case Name	Export Data
Created By	Kalvin Vu	Last Modified By	Viktor Gerdin
Date Created	1/31/08	Last Change	3/12/09
Actor	Teacher, Teacher Assistant		
Description	The system shall be able to export each Course and all data items within the Course to a file on the Actor's computer.		
Pre-conditions	The desired Course exists. Actor is associated with (teaching/helping) the Course . Actor is authenticated with the System		
Post-conditions	Actor receives a file containing Course information.		
Normal Flow	<ol style="list-style-type: none"> 1. Actor selects Course 2. System displays Course 3. Actor selects "Export" 4. System prompts for a destination to store exported data. 5. Actor provides a destination 6. Actor selects to download to given destination 7. System generates a File with all Course attributes 8. System downloads File to given destination 9. System returns to step 2. 		
Alternate Flow	None		
Frequency of Use	Once a quarter.		
Exceptions	If exporting fails then an error message is displayed. Exporting can fail due to an inconsistency with the storage or a network error.		
Includes	None		
Special Requirements	Actor must have access to program that can display the downloaded file.		
Assumptions	None		
Notes and Issues	Teacher Assistant must have Manage Course Permission to perform this action.		
Priority	Medium		