

natUse 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

Actor: Student

1. View Announcements
2. View grade
3. Check Course standing
4. Predict Grades Needed For Final Grade
5. Printer Friendly page
6. Download file
7. Upload File
8. Reset Password

Actor: Teacher

9. View Metrics
10. Add Course
11. Remove Course
12. Edit Course
13. Add Users
14. Remove Users
15. Edit Users
16. Add Assignment
17. Remove Assignment
18. Edit Assignments
19. Add Announcement
20. Remove Announcement
21. Edit Announcement
22. Send Email
23. Grade Students
24. View roster
25. Take attendance
26. Adjust grading curve
27. Import data
28. Export data

Use Case	UC-1	Use Case Name	View Announcements
Created By	Nat Welch	Last Modified By	Nat Welch
Date Created	1/26/09	Last Change	2/17/09
Actor	Student		
Description	The system shows all of the Announcement(s) posted by the Teacher sorted with the most recently posted Announcement at the top of the list. A Student can view this list and each Announcement shows a title, time and date, and the content of the Announcement .		
Pre-conditions	Student must be enrolled in the Course and authenticated with the system.		
Post-conditions	The Announcement list as specified in the description is displayed.		
Normal Flow	<ol style="list-style-type: none"> 1. Actor chooses Announcement(s) 2. System displays list of all of the Announcement(s) 3. Actor chooses an 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	Nat Welch
Date Created	1/25/09	Last Change	2/17/09
Actor	Student		
Description	The System displays a table that summarizes all of the grades the Actor has received for the Course . This summary includes the Assignment Name , Assignment Grade , and Assignment Total for each Assignment .		
Pre-conditions	Student must be enrolled in the Course and authenticated with the system.		
Post-conditions	The Announcement list as specified in the description is displayed.		
Normal Flow	<ol style="list-style-type: none"> 1. The actor chooses to "View Grade" 2. The system presents a table of Student Assignment Grades and a Total Grade. 3. The Student can choose to select a column of the table to sort. 		
Alternate Flow	None		
Frequency of Use	Once a week		
Exceptions	<p>If an Assignment has not been graded yet, System displays a table with Assignment names but the Assignment Score is not displayed.</p> <p>If no Assignment has been graded yet, System displays the words "No Assignments Yet" instead of the table.</p>		
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	Nat Welch
Date Created	1/30/09	Last Change	2/17/09
Actor	Student		
Pre-conditions	Student must be enrolled in the Course and 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	<ol style="list-style-type: none"> 1. Actor chooses to “Check Course Standing” 2. System displays comparison metrics. 		
Alternate Flow	None		
Frequency of Use	Once a week		
Exceptions	<p>If the Student is alone in the Course, the system displays an error message.</p> <p>If no Assignment Grades exist, system displays an error message.</p> <p>If no Assignment Grades have been graded yet, system displays an error message.</p>		
Includes	None		
Special Requirements	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	Michael Quan
Date Created	02/20/09	Last Change	02/20/09
Actor	Student		
Pre-conditions	Student must be enrolled in the Course and authenticated with the system.		
Post-conditions	None		
Description	The System displays the remaining Assignment Grades the Student(s) in the Course will need to obtain in order to receive a final grade of choice. The system will add up points necessary to get a final grade and always will pick the highest grades possible for remaining Assignment(s) .		
Normal Flow	<p>Actor chooses to "Predict Grades Needed For Final Grade"</p> <p>System displays available final grades possible.</p> <p>Actor picks available final grade.</p> <p>System displays the needed Assignment Grades for ungraded Assignments to get a desired final grade.</p>		
Alternate Flow	None		
Frequency of Use	Daily		
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	Nat Welch
Date Created	1/31/09	Last Change	2/17/09
Actor	Student, Teacher		
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 inches wide.		
Normal Flow	<ol style="list-style-type: none"> 1. Actor chooses to go to a Printer Friendly Display. 2. System displays the previous display the actor was viewing in the manor described in the description. 3. The 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	Nat Welch
Date Created	1/31/09	Last Change	2/17/09
Actor	Student, Teacher		
Pre-conditions	Actor must be authenticated with the system.		
Post-conditions			
Description	TBD Nat Welch 2/19/09		
Normal Flow			
Alternate Flow			
Frequency of Use			
Exceptions			
Includes			
Special Requirements			
Assumptions			
Notes and Issues			
Priority	Low		

Use Case	UC-7	Use Case Name	Upload File
Created By	Michael Quan	Last Modified By	Nat Welch
Date Created	1/31/09	Last Change	2/17/09
Actor	Student, Teacher		
Pre-conditions	Actor must be authenticated with the system.		
Post-conditions			
Description	TBD Nat Welch 2/19/09		
Normal Flow			
Alternate Flow			
Frequency of Use			
Exceptions			
Includes			
Special Requirements			
Assumptions			
Notes and Issues			
Priority	Low		

Use Case	UC-8	Use Case Name	Reset Password
Created By	Nat Welch	Last Modified By	Nat Welch
Date Created	2/9/09	Last Change	2/17/09
Actor	Student, Teacher		
Pre-conditions	Actor already exists in System		
Post-conditions	A random password is email to the Actor.		
Description	The Actor selects to reset their password because they either forgot it or they wish to change it. Once the selection is made an email is sent to the Actors email account that contains a new password randomly generated by the system.		
Normal Flow	<ol style="list-style-type: none"> 1. Actor selects Reset Password 2. System gets User Email 3. System generates a new password 4. System changes User Password to newly generated password 5. System sends email with new password 		
Alternate Flow	None		
Frequency of Use	Very Rarely		
Exceptions	None		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	In theory we should make it so the user can just change their password to something they like if they are logged in. Else we just generate and email.		
Priority	Medium Low		

Use Case	UC-9	Use Case Name	View Metrics
Created By	Michael Quan	Last Modified By	Michael Quan
Date Created	02/20/09	Last Change	02/20/09
Actor	Student		
Pre-conditions	Student must be enrolled in the Course and authenticated with the system.		
Post-conditions	None		
Description	The System displays the mean, median, and mode of the overall course and for each individual assignment.		
Normal Flow	<ol style="list-style-type: none"> 1. Actor chooses View Metrics 2. System displays list of mean, median, and mode of all individual assignments and displays list of mean, median, and mode for the overall course. 		
Alternate Flow	None		
Frequency of Use	Weekly		
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-10	Use Case Name	Add a Course
Created By	Nat Welch	Last Modified By	Nat Welch
Date Created	1/27/09	Last Change	2/17/09
Actor	Teacher		
Pre-conditions	Teacher must be authenticated with the system		
Post-conditions	The Course is stored by the System.		
Description	The Teacher creates a Course .		
Normal Flow	<ol style="list-style-type: none"> 1. Teacher enters Course Title. 2. Teacher enters Course Section and Course Number. 3. Teacher enters location of Course. 4. Teacher adds time of Course. 5. Teacher enters Grading Rules and Course Curve 		
Alternate Flow	None		
Frequency of Use	Once a week		
Exceptions	None		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	Teacher Assistant with the ManageCourse Permission can also perform this action. Teacher should not be required to enter Grading Rules and Course Curve . This seems excessive, but is only used when the Teacher does not want to use the import (UC-27).		
Priority	High		

Use Case	UC-11	Use Case Name	Remove Course
Created By	Nat Welch	Last Modified By	Nat Welch
Date Created	1/27/09	Last Change	2/17/09
Actor	Teacher		
Pre-conditions	Teacher must be authenticated with the system		
Post-conditions	The Course specified by Teacher is deleted.		
Description	The Teacher deletes a Course .		
Normal Flow	<ol style="list-style-type: none"> 1. Teacher chooses Remove 2. Teacher selects a Course 3. The System prompts the Teacher to make sure they want to delete the selected course. 4. Teacher deletes selected Course 		
Alternate Flow	None		
Frequency of Use	Very Rarely		
Exceptions	None		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	Teacher Assistant with the ManageCourse Permission can also perform this action.		
Priority	Medium High		

Use Case	UC-12	Use Case Name	Edit Course
Created By	Nat Welch	Last Modified By	Katherine Blizzard
Date Created	1/27/09	Last Change	2/11/09
Actor	Teacher		
Pre-conditions	Teacher must be authenticated with the system		
Post-conditions	The class specified by the Teacher has been modified to specifications made by the Teacher		
Description	The Teacher can add and remove any Student or Teacher Assistant created by Add User, and the Teacher can change the name , Course number , Course Curve and section of the Course .		
Normal Flow	<p>1.The Teacher chooses one class to edit.</p> <p>2.System presents the Teacher with the option to edit the name of the class, the class number, the section number, all Class Assignments or to add or remove other users from the class. The system displays a list of Students not enrolled in any class.</p> <p>3.The Teacher changes one or more of the options displayed and confirms his choice.</p> <p>4.The System stores the adjusted Class data.</p>		
Alternate Flow	None.		
Frequency of Use	Once a week		
Exceptions	If the Teacher has not created any Classes to edit yet, the System throws an error and redirects the Teacher to the Add Class use case.		
Includes	Add Course, Remove Course, Adjust Course Curve		
Special Requirements	None		
Assumptions	None		
Notes and Issues	Teacher Assistant with the ManageClass Permission can also perform this action.		
Priority	Medium High		

Use Case	UC-13	Use Case Name	Add Users
Created By	Nat Welch	Last Modified By	Nat Welch
Date Created	1/27/09	Last Change	2/17/09
Actor	Teacher		
Pre-conditions	Teacher must be authenticated with the system		
Post-conditions	The new User is stored by the system, and the new User is emailed their automatically generated password.		
Description	The Teacher adds a new User to the system by inputting the student's information.		
Normal Flow	<ol style="list-style-type: none"> 1. Teacher chooses to add a new User 2. Teacher inputs name and username of new User. 3. Teacher adds email address for user. 4. The Teacher specifies whether new user is a Teacher Assistant or Student 5. After Teacher is finished entering information, System emails User with randomly generated password and a message to change password. 		
Alternate Flow	None		
Frequency of Use	Twice a quarter.		
Exceptions	If username specified already exists or email is already in use, System displays an error and Teacher must correct the error to continue.		
Includes	None		
Special Requirements	None		
Assumptions	Someone has provided Student information to the Teacher .		
Notes and Issues	The Teacher will only have to do this for individual users that they do not add through the import functionality, UC-27		
Priority	High		

Use Case	UC-14	Use Case Name	Remove User
Created By	Viktor Gerdin	Last Modified By	Nat Welch
Date Created	2/09/09	Last Change	2/10/09
Actor	Teacher		
Description	The Teacher can remove an Account from the system. The system will notify the Account holder about the termination of the Account .		
Pre-conditions	The Actor must be authenticated by the system.		
Post-conditions	Any <i>other</i> Account must be unaffected by the removal of an Account .		
Normal Flow	<p>5.The Actor selects a Account for removal</p> <p>6. The system prompts for conformation to remove Account</p> <p>7.The Actor verifies the request to remove Account</p> <p>8.The system removes Account data from storage</p> <p>9.The system notifies Account holder of termination of Account.</p>		
Alternate Flow	<p><u>At step 5 of Normal Flow:</u></p> <p>5a. The Actor selects to cancels the request to remove Account</p> <p>6a. The system returns to step 1 <i>without</i> removing the Account</p>		
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.		
Assumptions	None		
Notes and Issues	Teacher Assistant with the ManageUser Permission can also perform this action.		
Priority	High		

Use Case	UC-15	Use Case Name	Edit User
Created By	Viktor Gerdin	Last Modified By	Nat Welch
Date Created	2/09/09	Last Change	2/10/09
Actor	Teacher		
Description	The Teacher can edit an Account from the system. The system will notify the Account holder about any changed 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-4. (See Section 5.3 in SRS)		
Normal Flow	<ol style="list-style-type: none"> 1.The Actor selects a Account for editing 2. The system displays the selected Account 3.The Actor selects what Account data to edit 4.The Actor edits selected Account data 5.The Actor selects to store any changes 6.The system stores updated Account data 7.The 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 EmailAddress 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 EmailAddress is changed, both the old and new address are notified of the change.
Assumptions	None
Notes and Issues	Teacher Assistant with the ManageUser Permission can also perform this action. Student with the ManageUser Permission can change their own Name , Password and EmailAddress .
Priority	High

Use Case	UC-16	Use Case Name	Add Assignment
Created By	Nat Welch	Last Modified By	Nat Welch
Date Created	1/27/09	Last Change	2/9/09
Actor	Teacher		
Pre-conditions	Teacher must be authenticated with the system		
Post-conditions	The information is stored to the System.		
Description	The Teacher adds a new Assignment to the system.		
Normal Flow	<ol style="list-style-type: none"> 1. Teacher inputs Assignment Name. 2. Teacher inputs Assignment Due Date. 3. Teacher inputs Assignment Total. 4. Teacher chooses Assignment type: Quiz, Test, Final, Participation, or Other. 		
Alternate Flow	None		
Frequency of Use	Once a week		
Exceptions	<p>If Assignment name already exists, The system displays an error and the Teacher must correct the error to continue.</p> <p>If the DueDate or assignment type is missing, throw an error and the Teacher must correct the error to continue.</p>		
Includes	None		
Special Requirements	Someone has provided Student information to the Teacher .		
Assumptions	None		
Notes and Issues	None		
Priority	High		

Use Case	UC-17	Use Case Name	Remove Assignment
Created By	Viktor Gerdin	Last Modified By	
Date Created	2/09/09	Last Change	
Actor	Teacher		
Description	The Teacher can remove an Assignment from the system. The system recalculates any AssignmentGrade dependent on removed Assignment .		
Pre-conditions	The Actor must be authenticated by the system.		
Post-conditions	Any <i>other</i> Assignment must be unaffected by the removal of an Assignment . Any calculated AssignmentGrade must be correct after removal of an Assi		
Normal Flow	<ol style="list-style-type: none"> 1.The Actor selects an Assignment for removal 2.The System prompts for conformation to remove Assignment 3.The Actor verifies the request to remove Assignment 4.The system removes Assignment data from storage 5.The system displays a message of conformation. 		
Alternate Flow	<p>At step 3 of Normal Flow:</p> <ol style="list-style-type: none"> 3a. The Actor cancels the request to remove Assignment 4a. The 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	The system will automatically (without request) update any stored data so that affected features (UC-2, UC-3, UC-4, UC-9, UC-23, UC-26) will work correctly.		
Assumptions	None		
Notes and Issues	Teacher Assistant with the ManageAssignment Permission can also perform this action.		
Priority	High		

Use Case	UC-18	Use Case Name	Edit Assignment
Created By	Viktor Gerdin	Last Modified By	
Date Created	2/09/09	Last Change	
Actor	Teacher		
Description	The Teacher can edit an Assignment in the system. The system recalculates any AssignmentGrade dependent on removed Assignment .		
Pre-conditions	The Actor must be authenticated by the system.		
Post-conditions	Any <i>other</i> Assignment must be unaffected by the editing of an Assignment . Any calculated AssignmentGrade must be correct after editing of an Assignment		
Normal Flow	<ol style="list-style-type: none"> 1.The Actor selects an Assignment for editing 2. The system displays the selected Assignment 3.The Actor selects what Assignment data to edit 4.The Actor edits selected Assignment data 5.The Actor selects to store any changes 6.The system stores updated Assignment data 		
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 data 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-9, UC-23, UC-26) will work correctly.		

Assumptions	None
Notes and Issues	Teacher Assistant with the ManageAssignment Permission can also perform this action.
Priority	High

Use Case	UC-19	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		
Description	The Teacher is able to add a new Announcement for one or more Course(s) .		
Pre-conditions	The Actor must be authenticated by the system.		
Post-conditions	The new Announcement is stored within the system		
Normal Flow	<ol style="list-style-type: none"> 1. The Teacher enters a title for the new Announcement. 2. The Teacher enters the body of text for the Announcement. 3. The Teacher chooses one or more Course(s) that this Announcement is for. 4. The System adds the current date and time to the Announcement . 		
Alternate Flow	None		
Frequency of Use	Several times a week		
Exceptions	None		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	None		
Priority	Medium High		

Use Case	UC-20	Use Case Name	Remove Announcement
Created By	Viktor Gerdin	Last Modified By	Nat Welch
Date Created	2/09/09	Last Change	2/10/09
Actor	Teacher		
Description	The Teacher can remove an Announcement from the system. Any other Announcement must be unaffected by the removal of an Announcement .		
Pre-conditions	The Actor must be authenticated by the system.		
Post-conditions	Any <i>other</i> Announcement must be unaffected by the removal of an Announcement .		
Normal Flow	<ol style="list-style-type: none"> 1.The Actor selects an Announcement for removal 2. The System prompts for conformation to remove Announcement 3.The Actor verifies the request to remove Announcement 4.The system removes Announcement data from storage 		
Alternate Flow	<p>At step 3 of Normal Flow:</p> <ol style="list-style-type: none"> 3a. The Actor cancels the request to remove Announcement 4a. The system returns to step 1 <i>without</i> altering any Announcement 		
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 with the ManageAnnouncement Permission can also perform this action.		
Priority	High		

Use Case	UC-21	Use Case Name	Edit Announcement
Created By	Viktor Gerdin	Last Modified By	Nat Welch
Date Created	2/09/09	Last Change	2/10/09
Actor	Teacher		
Description	The Teacher can edit an Announcement in the system.		
Pre-conditions	The 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	1.The Actor selects an Announcement for editing 2. The system displays the selected Announcement 3.The Actor selects what Announcement data to edit 4.The Actor edits Announcement data 5.The Actor selects to store any changes 6.The system stores updated Announcement data 7.The system displays the edited Announcement		
Alternate Flow	At step 5 of Normal Flow: 5a. The Actor selects to cancel the edit 6a. The 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 with the ManageAnnouncement Permission can also perform this action.		
Priority	High		

Use Case	UC-22	Use Case Name	Send Email
Created By	Katherine Blizard	Last Modified By	Nat Welch
Date Created	1/31/09	Last Change	2/10/09
Actor	Teacher		
Description	Actor can send an Email out to a student by student user name or email address or to the entire Course or Course(s) .		
Pre-conditions	The Actor must be authenticated by the system.		
Post-conditions	Applicable students receive email from the Teacher.		
Normal Flow	<ol style="list-style-type: none"> 1. Teacher selects a Course(s). Then Teacher proceeds to fill out the title and body of the email as desired. 2. If a file name of a file to be uploaded is present, the user uploads the file to the system. 3. The system sends the email to the specified Course. 		
Alternate Flow	None		
Frequency of Use	Once a day		
Exceptions	An error occurs if the Teacher enters nothing, an invalid username , an invalid Course name or invalid email address in the address line and the email is not sent. If the Teacher enters nothing for the email title , an error is displayed. If the Teacher sends an email with no body, a dialog box informing the Teacher is displayed.		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	Teacher Assistants with the ManageAnnouncement Permission can also perform this action.		
Priority	Medium Low		

Use Case	UC-23	Use Case Name	Grade Students
Created By	Nat Welch	Last Modified By	Nat Welch
Date Created	2/1/08	Last Change	2/10/09
Actor	Teacher		
Description	The Teacher will choose a Course to grade and will then be given a list of students and assignments		
Pre-conditions	Teacher must be authenticated with the system and have created a Course with assignments in it.		
Post-conditions	The information is stored to the System.		
Normal Flow	<ol style="list-style-type: none"> 1. Teacher chooses a Course to grade. 2. Teacher chooses an Assignment to grade. 3. Teacher chooses a student to grade. 4. Teacher enters an Assignment Score for this student's assignment. 		
Alternate Flow	None		
Frequency of Use	Several times a week		
Exceptions	If preconditions are not met, the system throws an error.		
Includes	None		
Special Requirements	None		
Assumptions	All Assignment Grades are set to zero before an Assignment Grade is entered.		
Notes and Issues	None		
Priority	High		

Use Case	UC-24	Use Case Name	View Roster
Created By	Nat Welch	Last Modified By	Nat Welch
Date Created	2/1/08	Last Change	2/10/09
Actor	Teacher		
Description	The Teacher selects a Course and will receive a roster of the Course .		
Pre-conditions	Teacher must be authenticated with the system and have created a Course with assignments in it.		
Post-conditions	None		
Normal Flow	<ol style="list-style-type: none"> 1. Teacher chooses a Course to view. 2. The System displays a table of students enrolled in the Course. Each Student's username, name and email address is displayed. 		
Alternate Flow	None		
Frequency of Use	Once a week		
Exceptions	If there are no students enrolled in the Course , the System displays an error.		
Includes	None		
Special Requirements	None		
Assumptions	None		
Notes and Issues	None		
Priority	Medium High		

Use Case	UC-25	Use Case Name	Take Attendance
Created By	Nat Welch	Last Modified By	Nat Welch
Date Created	2/1/08	Last Change	2/10/09
Actor	Teacher		
Description	The Teacher marks students either absent or present.		
Pre-conditions	Teacher must be authenticated with the system.		
Post-conditions	System stores the new data.		
Normal Flow	<ol style="list-style-type: none"> 1. The Teacher selects a Course. 2. The system applies the current date. 3. For each student, the Teacher marks absent or present. 		
Alternate Flow	2a. The Teacher 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	Not currently implemented in Data Dictionary.		
Priority	Low		

Use Case	UC-26	Use Case Name	Curve Adjustment
Created By	Nat Welch	Last Modified By	Nat Welch
Date Created	1/27/08	Last Change	2/10/09
Actor	Teacher		
Description	Our tool will have the ability to adjust the grading curve for each Course . Five text boxes with plus and minus buttons will let the Teacher increment or decrement the curve. Above graphs (described in output) will display the new curve. The new curve will not go into effect until the teacher clicks the apply button at the bottom of the page.		
Pre-conditions	Teacher must be authenticated with the system. The teacher either types in, or uses buttons to select a desired curve. Each box will be related to a certain grade, e.g. A, B, C, D and F.		
Post-conditions	The information is saved to the database upon clicking apply and the refreshed page shows the new changes. Above the curve modifier boxes there will be two pie charts. The first pie chart will show the distribution of the grade by percent. So if the curve is set to have the A/B border at 90%, the B/C border at 80%, the C/D border at 70%, and the D/F border be at 50% there would be a pie chart that has 50% for F, 20% for D, and 10% for each A, B and C. Each section will be a different color. The second pie chart will show how many students are getting each grade. The colors in these should be the same so the Teacher can easily understand differentiate between grades on both charts. Like all charts in our system, the charts should be properly labeled. The charts should also be the same size.		
Normal Flow	TBD: Nat Welch 2/16/09		
Alternate Flow			
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	To Be Rewritten by Nat. Needs to be completed by Friday		
Priority	Medium		

Use Case	UC-27	Use Case Name	Import Data
Created By	Katherine Blizzard	Last Modified By	Nat Welch
Date Created	1/31/08	Last Change	2/10/09
Actor	Teacher		
Description	The Teacher imports a file containing data from rosters , students , or assignments .		
Pre-conditions	The Teacher is authenticated with the system. The Teacher has created or received a data file containing at minimum a Student's username and the Course they belong to. If the Teacher is uploading an Assignment Grade data file, the assignment number and type (Test, Quiz, Final, Homework, Participation, or Other) is required.		
Post-conditions	The System has updated all Course(s) and students to match the result in the spreadsheet.		
Normal Flow	<ol style="list-style-type: none"> 1. Teacher is prompted if he will import a Course (a list of Students), a Student (a list of their assignment grades), or an Assignment (a list of students and their grades they received on that assignment). 2. The Teacher uploads the file to the system, which creates a new Course if the Teacher selected Roster or otherwise searches for each student and updates their Assignment Grades accordingly. 3. The system recalculates all Student Total Grades. 4. A completed message is given to the Teacher 		
Alternate Flow	None		
Frequency of Use	About twice per week.		
Exceptions	If the Assignment Grade to be updated has a grade already in place, the System displays an error.		
Includes	None		
Special Requirements	None		
Assumptions	The system assumes the teacher has labeled spreadsheet columns appropriately and put the correct number in the correct column.		
Notes and Issues	None		
Priority	Medium Low		

Use Case	UC-28	Use Case Name	Export Data
Created By	Kalvin Vu	Last Modified By	Nat Welch
Date Created	1/31/08	Last Change	2/10/09
Actor	Teacher		
Description	The system will be able to export each Course and all data items within the Course to a file on the Teacher's computer.		
Pre-conditions	The desired Course must already exist.		
Post-conditions	The Teacher receives a file containing Course information.		
Normal Flow	<ol style="list-style-type: none"> 1. The Teacher selects a Course he wishes to export. 2. The System compiles the Course information into a file. 3. The System presents this file for download to the Teacher. 		
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	The Teacher must have access to program that can display the downloaded file. Only Teacher has access to this use case.		
Assumptions	The system assumes the teacher has labeled spreadsheet columns appropriately and put the correct number in the correct column.		
Notes and Issues	Look into password protecting or encrypting the exported file.		
Priority	Medium		