

Test Plan

ADVANCED SUBMISSION SYSTEM

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Identification and classification	Test Case 001 – Class Statistics System: Advanced Submission Module: Instructor Portal Severity: 2
Instructions	<ul style="list-style-type: none"> At the instructor console, enter: stats <project> + <class>
Expected result	<ul style="list-style-type: none"> The mean, median and (low, high) scores are presented on the console in the following order Statistics for <class> <project> Mean score: <mean> Median score: <media> (lowest score, highest score) : (H, L) <ul style="list-style-type: none"> Console is ready for more commands

Identification and classification	Test Case 002 – Grade feedback System: Advanced Submission Module: Instructor Portal Severity: 2
Instructions	<ul style="list-style-type: none"> After the Instructor has submitted the grade for an assignment, the instructor will enter the following command on the grading console feedback <project> + <class> + <studentID> "<feedback>" or feedback <project> + <class> + <studentID> < <feedback file>
Expected result	<ul style="list-style-type: none"> The console will allow the instructor to type feedback in a textual format through the <feedback> field or through a text file. The application gives a verification the feedback is submitted and is ready for more commands.

Identification and classification	Test Case 003 – Individual Grade submission System: Advanced Submission Module: Instructor Portal Severity: 1
Instructions	<ul style="list-style-type: none"> • Instructor enters the grading console with the command grade <class> <project> • Instructor selects the student from a list of submitted folders cd <student folder> • Instructor examines the files and once ready to submit a grade, enters submit-grade -score <score between [0...100]> -bonus <bonus between [0...INFINITY]>
Expected result	<ul style="list-style-type: none"> • The console accepts scores in a valid range by giving the message <student ID> assigned <grade> for <project> <class> • The application gives a verification the grade is submitted and is ready for more commands.

Identification and classification	Test Case 004 – Multiple class grades System: Advanced Submission Module: Instructor Portal Severity: 2
Instructions	<ul style="list-style-type: none"> • At the instructor console, enter: grade <project> <class> where <class> is a valid class for which the instructor has the rights to carry out grading. Also, <project> is a valid project for which the instructor previously setup for student submission.
Expected result	<ul style="list-style-type: none"> • The program checks if the class and project being requested by the instructor is valid. • If a valid class and project exist, the instructor gets the following message on the console: grading <class> <project> Here are a list of submissions: [<a list of submissions>] • Console is ready for more commands

Identification and classification	Test Case 005 – Create team assignment project System: Advanced Submission Module: Instructor Portal Severity: 2
Instructions	<ul style="list-style-type: none"> At the instructor console, enter: create-submission <class> <folder> -type team where the type field is used to specify the project type.
Expected result	<ul style="list-style-type: none"> The program checks if the class and project being requested by the instructor doesn't already exist. If it does, the following message is shown: Error: Project already exists! If a valid class and project, the instructor gets the following message on the console: Success: Team project submission folder created Console is ready for more commands

Identification and classification	Test Case 006 – Invalid class access System: Advanced Submission Module: Instructor Portal Severity: 1
Instructions	<ul style="list-style-type: none"> At the instructor console, enter: grade <class> <folder> <p>where the instructor doesn't have access to the class or the project. Or the instructor is not signed in. The class can be any class in a list of existing classes that the instructor doesn't have access to.</p>
Expected result	<ul style="list-style-type: none"> The instructor gets the following message is shown: Error: you do not have access to the project. Please contact <contact Info> for instructor level access to this project. Here, <contact Info> is the email address to the instructor in charge of the class and project.

Identification and classification	Test Case 007 – Checking Grade Feedback System: Advanced Submission Module: Student Portal Severity: 2
Instructions	<ul style="list-style-type: none"> At the console, the user enters the command to view feedback for a particular assignment.
Expected result	<ul style="list-style-type: none"> The console will allow the student to view the feedback provided by the professor for a specific project. After the feedback is shown, the application is ready for more commands.

Identification and classification	Test Case 008 – Checking Grade Feedback for an Invalid Class System: Advanced Submission Module: Student Portal Severity: 2
Instructions	<ul style="list-style-type: none"> At the console, the user enters the command to view feedback for a particular assignment.
Expected result	<ul style="list-style-type: none"> The student gets the following message is shown: Error: you do not have access to the project.

Identification and classification	Test Case 009 – Checking Grade Feedback for an assignment that has not been graded System: Advanced Submission Module: Student Portal Severity: 2
Instructions	<ul style="list-style-type: none"> At the console, the user enters the command to view feedback for a particular assignment.
Expected result	<ul style="list-style-type: none"> The student gets the following message is shown: Error: this assignment has not been graded yet.

Identification and classification	Test Case 010 – Checking Grade Feedback for an assignment that does not have feedback System: Advanced Submission Module: Student Portal Severity: 2
Instructions	<ul style="list-style-type: none"> At the console, the user enters the command to view feedback for a particular assignment.
Expected result	<ul style="list-style-type: none"> The student gets the following message is shown: Error: your professor has not left any feedback for this assignment. Please contact <contact info> for questions regarding your assignment.

Identification and classification	Test Case 011 – Checking Class Statistics System: Advanced Submission Module: Student Portal Severity: 2
Instructions	<ul style="list-style-type: none"> At the console, the user enters the command to view class statistics for a particular assignment.
Expected result	<ul style="list-style-type: none"> The mean, median and (low, high) scores are presented on the console in the following order Statistics for <class> <project> Mean score: <mean> Median score: <media> (lowest score, highest score): (H, L) Console is ready for more commands

Identification and classification	Test Case 012 – Checking Class Statistics for an invalid assignment System: Advanced Submission Module: Student Portal Severity: 2
Instructions	<ul style="list-style-type: none"> At the console, the user enters the command to view class statistics for a particular assignment.
Expected result	<ul style="list-style-type: none"> The student gets the following message is shown: Error: you do not have access to the project. Console is ready for more commands

Identification and classification	Test Case 013 – Checking Class Statistics for an assignment that has not been graded yet System: Advanced Submission Module: Student Portal Severity: 2
Instructions	<ul style="list-style-type: none"> At the console, the user enters the command to view class statistics for a particular assignment.
Expected result	<ul style="list-style-type: none"> The student gets the following message is shown: Error: This assignment has not been graded yet. Console is ready for more commands

Identification and classification	Test Case 014 – Submitting Team Assignments System: Advanced Submission Module: Student Portal Severity: 3
Instructions	<ul style="list-style-type: none"> In order to turn in a specific project, the student will enter the project folder cd <project folder> Once here, the user enters the command to submit a team assignment. If there is already a submission, the student will be asked to type “y” or “yes” to confirm overriding the previous submission.
Expected result	<ul style="list-style-type: none"> The directory is changed to the directory that contains the directory with all files for submission A message is display either indicating success or failure Upon success, the following message will be shown Success. You have successfully submitted files for <className> <project> The following students’ submissions have also been updated as this is a team assignment: [<A list of students>]

Identification and classification	Test Case 015 – Submitting team assignment without a team System: Advanced Submission Module: Student Portal Severity: 2
Instructions	<ul style="list-style-type: none"> In order to turn in a specific project, the student will enter the project folder cd <project folder> Once here, the user enters the command to submit their files for a team project where the student does not currently have a team. The class and project combination can be any project where the student does not have a team.
Expected result	<ul style="list-style-type: none"> The student gets the following message is shown: Error: The project you are attempting to submit is a team assignment. You are currently not part of any team. Here, <contact Info> is the email address to the instructor in charge of the class and project. New commands may not be entered into the console.

Identification and classification	Test Case 016 – Submitting team assignment when the deadline has past System: Advanced Submission Module: Student Portal Severity: 2
Instructions	<ul style="list-style-type: none"> In order to turn in a specific project, the student will enter the project folder cd <project folder> Once here, the user enters the command to submit their files for a team project where the where the deadline has past. The className and project combination can be any project where the submission deadline has past.
Expected result	<ul style="list-style-type: none"> The student gets the following message is shown: Error: The deadline for the project you are attempting to submit has already past. Here, <contact Info> is the email address to the instructor in charge of the class and project. New commands may not be entered into the console.

Identification and classification	Test Case 017 – Submitting a regrade email request System: Advanced Submission Module: Student Portal Severity: 1
Instructions	<ul style="list-style-type: none"> At the console, the user enters the command to submit a regrade email request. And then type “y” or “yes” to confirm sending the request.
Expected result	<ul style="list-style-type: none"> The system asks for confirmation, and upon receiving permission, it displays the following message Success: A regrade request for [className: project] has been submitted to [contact info]. New commands may now be entered into the console.

Identification and classification	Test Case 018 – Submitting a regrade email request when the deadline has passed System: Advanced Submission Module: Student Portal Severity: 1
Instructions	<ul style="list-style-type: none"> At the console, the user enters the command to submit a regrade email request. And then type “y” or “yes” to confirm sending the request.
Expected result	<ul style="list-style-type: none"> The system displays the following message Failure: A regrade request for [className: project] cannot be submitted because the deadline for regrading this project has past. Please contact [contact info] for further information. New commands may now be entered into the console.

Identification and classification	Test Case 019 – Submitting a regrade email request for an invalid project System: Advanced Submission Module: Student Portal Severity: 1
Instructions	<ul style="list-style-type: none"> At the console, the user enters the command to submit a regrade email request.

Expected result	<ul style="list-style-type: none"> The system displays the following message Error: A regrade request for [className : project] has not been submitted because [reason (e.g. invalid class/project)]. New commands may now be entered into the console.
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Identification and classification	Test Case 020 – No regrade submission email specified. System: Advanced Submission Module: Student Portal Severity: 1
Instructions	<ul style="list-style-type: none"> The regrade submission email for the course/project should not be set. Student should attempt to request a regrade for an assignment.
Expected result	<ul style="list-style-type: none"> The system displays the following message Error: Regrade requests are not enabled for [className : project]. New commands may now be entered into the console.

Identification and classification	Test Case 021 – Limiting number of attempts System: Advanced Submission Module: Instructor Portal Severity: 1
Instructions	<ul style="list-style-type: none"> Professor sets an integer submission limit N for each student A student attempts to submit their assignment N times
Expected result	<ul style="list-style-type: none"> The file is submitted and the console displays the message <filename> submitted for <class> <project> program terminates.

Identification and classification	Test Case 022 – Limiting number of attempts System: Advanced Submission Module: Student Portal Severity: 3
Instructions	<ul style="list-style-type: none"> • Professor sets an integer submission limit N for each student • A student attempts to submit their assignment N+1 times
Expected result	<ul style="list-style-type: none"> • The file is not submitted and the console displays the message Error: <filename> not submitted, no more attempts allowed <ul style="list-style-type: none"> • Program terminates.

Identification and classification	Test Case 023 – Setting a submission due date System: Advanced Submission Module: Student Portal Severity: 1
Instructions	<ul style="list-style-type: none"> • Professor sets a date after which no submissions are to be accepted. • A student attempts to submit their assignment on the date it is due
Expected result	<ul style="list-style-type: none"> • The file is submitted and the console displays the message <filename> submitted for <class> <project> <ul style="list-style-type: none"> • program terminates.

Identification and classification	Test Case 024 – Setting a submission due date System: Advanced Submission Module: Student Portal Severity: 3
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Instructions	<ul style="list-style-type: none"> Professor sets a date after which no submissions are to be accepted. A student attempts to submit their assignment the day after it is due
Expected result	<ul style="list-style-type: none"> The file is not submitted and the console displays the message <filename> not submitted, no submissions allowed past <date> Program terminates.

Identification and classification	Test Case 025 – Viewing submitted assignments System: Advanced Submission Module: Student Portal Severity: 1
Instructions	<ul style="list-style-type: none"> Professor chooses to view all submitted assignments
Expected result	<ul style="list-style-type: none"> The console displays all available submissions through the ncurses interface Accurate submission times are viewable for each submission

Identification and classification	Test Case 026 – Editing student grades System: Advanced Submission Module: Student Portal Severity: 1
Instructions	<ul style="list-style-type: none"> Professor enters the following command to edit student grades turnin -g <gradeRecieved>
Expected result	<ul style="list-style-type: none"> The grade is correctly changed in the system via the addition of a "grade.txt" containing the grade, and both

	the student and professor are notified of the change/creation.
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Identification and classification	Test Case 027 – Invalid Instructor portal login System: Advanced Submission Module: Instructor Portal Severity: 1
Instructions	<ul style="list-style-type: none"> Student attempts to log into the instructor portal with their credentials.
Expected result	<ul style="list-style-type: none"> The following error is shown on the console. Error: Unable to login as instructor. Check username/password.

Identification and classification	Test Case 028 – Invalid destination submission System: Advanced Submission Module: Student Portal Severity: 1
Instructions	<ul style="list-style-type: none"> Student attempts to submit a folder/file to an class/project that doesn't exist.
Expected result	<ul style="list-style-type: none"> The following error is shown on the console. Error: Unable to submit to <project>. Assignment folder does not exist.

Identification and classification	Test Case 029 – Invalid submission deadline System: Advanced Submission Module: Instructor Portal Severity: 1
Instructions	<ul style="list-style-type: none"> Instructor attempts to set a due date that is in the past. This can be a range of dates including a date on the day of project creation.

Expected result	<ul style="list-style-type: none"> The following error is shown on the console. Error: Cannot set due date in past. Please select a deadline after current time.
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Identification and classification	Test Case 030 – Exceeding submission size System: Advanced Submission Module: Student Portal Severity: 2
Instructions	<ul style="list-style-type: none"> Student mistakenly submits their entire home directory or a folder larger than a system threshold.
Expected result	<ul style="list-style-type: none"> The following error is shown on the console. Error: Are you sure you would like to submit <x> Mb of data for submission? (MAX submission size must be <y>)

Identification and classification	Test Case 031 – Submitting empty folder System: Advanced Submission Module: Student Portal Severity: 2
Instructions	<ul style="list-style-type: none"> Student mistakenly submits an empty folder.
Expected result	<ul style="list-style-type: none"> The following error is shown on the console. Error: Are you sure you would like submit to folder <x> with 0 files within?

Identification and classification	Test Case 032 – Checking existing submission System: Advanced Submission Module: Student Portal Severity: 2
Instructions	<ul style="list-style-type: none"> Student makes a valid submission. Student tries to view submission.
Expected result	The files of the existing submission are listed.

Identification and classification	Test Case 033 – Checking non-existent submission System: Advanced Submission Module: Student Portal Severity: 2
Instructions	<ul style="list-style-type: none">• Student does not make submission or makes invalid submission.• Student tries to view submission.
Expected result	<ul style="list-style-type: none">• The following error is shown: Error: No submission is available for <assignment>.

Identification and classification	Test Case 034 – Assignment Creation System: Advanced Submission Module: Instructor Portal Severity: 1
Instructions	<ul style="list-style-type: none">• Professor logs in to instructor portal.• Professor creates a new assignment.
Expected result	<ul style="list-style-type: none">• Assignment is successfully created.• Assignment can now be viewed in the student portal.

Identification and classification	Test Case 035 – Duplicate Assignment Creation System: Advanced Submission Module: Instructor Portal Severity: 2
Instructions	<ul style="list-style-type: none">• Professor logs in to instructor portal.• Professor creates a new assignment.• Professor creates a second assignment with the same name as the first assignment.
Expected result	<ul style="list-style-type: none">• First assignment is successfully created.

	<ul style="list-style-type: none"> Upon attempting to create the second assignment, system responds with error: Assignment with name <name> already exists.
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Identification and classification	Test Case 036 – Assignment Deletion System: Advanced Submission Module: Instructor Portal Severity: 2
Instructions	<ul style="list-style-type: none"> Professor logs in to instructor portal. Professor selects an assignment and uses the delete command.
Expected result	<ul style="list-style-type: none"> Assignment is successfully deleted. Assignment can no longer be viewed in the student portal.

Identification and classification	Test Case 037 – Deleting an invalid assignment System: Advanced Submission Module: Instructor Portal Severity: 2
Instructions	<ul style="list-style-type: none"> Professor logs in to instructor portal. Professor enters the directory and tries to delete an assignment that does not exist.
Expected result	<ul style="list-style-type: none"> The following error is shown on the console. Error: Unable to delete <project>. Assignment folder does not exist.