



## **USE CASES**

<b>Case 1: Create course</b>	
<b>Primary Actor</b>	Instructor
<b>Goal in Content</b>	Create new course
<b>Preconditions</b>	Instructor should have a registered account in the system
<b>Trigger</b>	Instructor wants to create a new Course under him/her which will contain homework folder where students will submit their assignment
<b>Scenario</b>	<ol style="list-style-type: none"><li>1. Instructor logs in to the system</li><li>2. Instructor clicks on “create new course” under the course tab</li><li>3. Instructor enters the details of the course</li><li>4. Course with the defined name is created</li></ol>
<b>Exceptions</b>	<ol style="list-style-type: none"><li>1. The folder does not get created - select the “Create New Course” button again to create</li></ol>
<b>Priority</b>	Medium
<b>When Available</b>	First release
<b>Channel to Actor</b>	PC based browser with internet connection
<b>Open Issues</b>	None
<b>Status</b>	Done

<b>Case 2: Edit course</b>	
<b>Primary Actor</b>	Instructor
<b>Goal in Content</b>	Edit a created course details
<b>Preconditions</b>	Instructor should have a registered account in the system
<b>Trigger</b>	Instructor wants to edit the details of a course created by him/her
<b>Scenario</b>	<ol style="list-style-type: none"> <li>1. Instructor logs in to the system</li> <li>2. Instructor clicks on the course tab</li> <li>3. Instructor clicks on the edit button for the course he wants to edit</li> <li>4. Instructor enters the details of the course to be edited</li> <li>5. Course with defined details is edited</li> </ol>
<b>Exceptions</b>	The course does not get edited - select the edit button again to edit
<b>Priority</b>	Medium
<b>When Available</b>	First release
<b>Channel to Actor</b>	PC based browser with internet connection
<b>Open Issues</b>	None
<b>Status</b>	Done

<b>Case 3: Create homework folder</b>	
<b>Primary Actor</b>	Instructor
<b>Goal in Content</b>	Create new homework folder
<b>Preconditions</b>	<ol style="list-style-type: none"> <li>1. Instructor should have a registered account in the system</li> <li>2. Instructor should have created a course</li> </ol>
<b>Trigger</b>	Instructor wants to create a new HW folder where students will submit their assignment
<b>Scenario</b>	<ol style="list-style-type: none"> <li>1. Instructor logs in to the system</li> <li>2. Instructor selects the course</li> <li>3. Instructor select the “create” button to create new HW folder</li> <li>4. Instructor enters the name of the folder</li> <li>5. Folder with the appropriate name is created</li> </ol>
<b>Exceptions</b>	<ol style="list-style-type: none"> <li>2. The folder does not get created - select the “create new HW” button again to create</li> <li>3. The actor creates a folder by mistake</li> </ol>
<b>Priority</b>	Medium
<b>When Available</b>	First release
<b>Channel to Actor</b>	PC based browser with internet connection
<b>Open Issues</b>	None
<b>Status</b>	Done

<b>Case 4: Edit homework folder</b>	
<b>Primary Actor</b>	Instructor
<b>Goal in Content</b>	Edit homework folder created
<b>Preconditions</b>	3. Instructor should have a registered account in the system 4. Instructor should have created a homework under a course
<b>Trigger</b>	Instructor wants to edit a homework folder created where students will submit their assignment
<b>Scenario</b>	1. Instructor logs in to the system 2. Instructor selects the course 3. Instructor select the edit button of the homework he wants to edit 4. Instructor enters the details of the homework to be edited 5. Homework folder with the details is edit
<b>Exceptions</b>	The folder does not get edited - select the edit button again to edit
<b>Priority</b>	Medium
<b>When Available</b>	First release
<b>Channel to Actor</b>	PC based browser with internet connection
<b>Open Issues</b>	None
<b>Status</b>	Done

<b>Case 5: Submit an assignment</b>	
<b>Primary Actor</b>	Student
<b>Goal in Content</b>	To submit the assignment to the homework folder
<b>Preconditions</b>	<ol style="list-style-type: none"> <li>1. The student should have a registered account in the system</li> <li>2. The required submission HW folder exists</li> <li>3. Student should have the assignment files to upload</li> </ol>
<b>Trigger</b>	The student completes the assignment and decides to submit it
<b>Scenario</b>	<ol style="list-style-type: none"> <li>1. The student logs into his account</li> <li>2. Student select the required HW folder</li> <li>3. Student browse and select the assignment he wants to submit</li> <li>4. Student clicks 'upload' button</li> <li>5. Student receives the confirmation of the submission</li> </ol>
<b>Exceptions</b>	The student may encounter error during submission or uploading file - submit the assignment again
<b>Priority</b>	High Priority
<b>When Available</b>	First release
<b>Channel to Actor</b>	PC based browser with internet connection
<b>Open Issues</b>	None
<b>Status</b>	Done

<b>Case 6: Check plagiarism percentage</b>	
<b>Primary Actor</b>	Instructor
<b>Goal in Content</b>	To check if any student submission has plagiarism
<b>Preconditions</b>	<ol style="list-style-type: none"> <li>1. Instructor should have a registered account in the system</li> <li>2. There must be at least two student submissions</li> </ol>
<b>Trigger</b>	Instructor wants to look for a student's plagiarism against rest of students' submissions in the system
<b>Scenario</b>	<ol style="list-style-type: none"> <li>1. Instructor logs in to his account</li> <li>2. Instructor selects a homework folder</li> <li>3. Instructor selects an algorithm for which he wants to use for detecting plagiarism</li> <li>4. Instructor clicks on "check plagiarism" button, corresponding to selected student</li> <li>5. The plagiarism percentages of selected student file against other students file is displayed</li> </ol>
<b>Exceptions</b>	No plagiarism report - there was an error encountered in parsing the submitted files (files contain invalid python3 code)
<b>Priority</b>	High priority
<b>When Available</b>	First release
<b>Channel to Actor</b>	PC based browser with internet connection
<b>Open Issues</b>	None
<b>Status</b>	Done

<b>Case 7: View plagiarism report</b>	
<b>Primary Actor</b>	Instructor
<b>Goal in Content</b>	To view detailed report of plagiarism between two selected student files
<b>Preconditions</b>	<ol style="list-style-type: none"> <li>1. Instructor should have a registered account in the system</li> <li>2. There must be at least two student submissions</li> </ol>
<b>Trigger</b>	Instructor wants to look at the details of the plagiarism
<b>Scenario</b>	<ol style="list-style-type: none"> <li>1. Instructor logs in to his account</li> <li>2. Instructor selects a HW folder</li> <li>3. Instructor selects a algorithm for which he wants to use for detecting plagiarism</li> <li>4. Instructor clicks on “check plagiarism” button, corresponding to student ID</li> <li>5. The plagiarism percentages of selected student against other students is displayed in a required order</li> <li>6. Instructor selects the “Get Report” for a pair of file submission</li> <li>7. Detailed plagiarism report of two student file submission is displayed</li> </ol>
<b>Exceptions</b>	Fails to display comparison of submitted files - there was an error encountered in parsing the submitted files (files contain invalid python3 code)
<b>Priority</b>	Medium
<b>When Available</b>	Second release
<b>Channel to Actor</b>	PC based browser with internet connection
<b>Open Issues</b>	None
<b>Status</b>	Done

<b>Case 8: Download plagiarism report</b>	
<b>Primary Actor</b>	Instructor
<b>Goal in Content</b>	To download detailed report of plagiarism between two students' submission
<b>Preconditions</b>	<ol style="list-style-type: none"> <li>1. Instructor should have a registered account in the system</li> <li>2. There must be at least two student submissions</li> </ol>
<b>Trigger</b>	Instructor wants to save the detailed report of plagiarism between two students' submission
<b>Scenario</b>	<ol style="list-style-type: none"> <li>1. Instructor logs in to his account</li> <li>2. Instructor selects a HW folder</li> <li>3. Instructor selects a algorithm for which he wants to use for detecting plagiarism</li> <li>4. Instructor clicks on "check plagiarism" button, corresponding to student ID</li> <li>5. The plagiarism percentages of selected student against other students is displayed in a required order</li> <li>6. Instructor selects the "Get Report" for a pair of assignment submission</li> <li>7. Detailed plagiarism report of two student submission is displayed</li> <li>8. Instructor selects the "Download Report" to save the report to his local system</li> <li>9. The report gets downloaded</li> </ol>
<b>Exceptions</b>	Fails to download the detailed report - click on the "Download Report" button again
<b>Priority</b>	Low
<b>When Available</b>	Second release
<b>Channel to Actor</b>	PC based browser with internet connection
<b>Open Issues</b>	None
<b>Status</b>	Done



<b>Case 9: Register to the system</b>	
<b>Primary Actor</b>	Student or Instructor
<b>Goal in Content</b>	Register to the system to perform tasks
<b>Preconditions</b>	Student/Instructor should not have a registered account in the system
<b>Trigger</b>	Student/Instructor wants to register to utilize features of the system
<b>Scenario</b>	<ol style="list-style-type: none"> <li>1. Student/Instructor selects Register account and is directed to the register page</li> <li>2. Student/Instructor enters relevant details and click on "Register"</li> <li>3. Student is directed to home page</li> <li>4. Instructor gets "waiting for admin approval" message.</li> </ol>
<b>Exceptions</b>	Registration fails - make sure the actor has input valid credentials
<b>Priority</b>	Medium
<b>When Available</b>	First release
<b>Channel to Actor</b>	PC based browser with internet connection
<b>Open Issues</b>	None
<b>Status</b>	Done

<b>Case 10: Approval for registration</b>	
<b>Primary Actor</b>	Admin
<b>Goal in Content</b>	Approve the user's registration
<b>Preconditions</b>	Instructor should have requested for an account in the system
<b>Trigger</b>	Instructor wants to register an account in the system
<b>Scenario</b>	<ol style="list-style-type: none"> <li>1. Admin logs in to his account</li> <li>2. Click on the approve user tab</li> <li>3. Admin approves or disapproves the request</li> </ol>
<b>Exceptions</b>	N/A
<b>Priority</b>	Low
<b>When Available</b>	Second release
<b>Channel to Actor</b>	PC based browser with internet connection
<b>Open Issues</b>	None
<b>Status</b>	Done

<b>Case 11: Log in to the system</b>	
<b>Primary Actor</b>	Student/Instructor/admin
<b>Goal in Content</b>	Log in to the system to submit an assignment (student) or check for plagiarism (instructor), or view the statistics of the system(admin)
<b>Preconditions</b>	Student/Instructor/admin should have a registered account in the system
<b>Trigger</b>	Student wants to submit an assignment or instructor wants to check for plagiarism or admin want to view the statistics of the system usage
<b>Scenario</b>	<ol style="list-style-type: none"> <li>1. Student/Instructor/admin enters the credentials and click on "Login"</li> <li>2. Student/Instructor/admin is directed to home page</li> </ol>
<b>Exceptions</b>	Login fails - make sure the actor has valid credentials
<b>Priority</b>	Medium
<b>When Available</b>	First release
<b>Channel to Actor</b>	PC based browser with internet connection
<b>Open Issues</b>	None
<b>Status</b>	Done

<b>Case 12: View plagiarism statistics</b>	
<b>Primary Actor</b>	Instructor
<b>Goal in Content</b>	Log in to the system to check statistics of plagiarism runs
<b>Preconditions</b>	Instructor should have a registered account in the system
<b>Trigger</b>	Instructor wants to see statistics of plagiarism runs
<b>Scenario</b>	<ol style="list-style-type: none"> <li>1. Instructor enters the credentials and click on “Login”</li> <li>2. Instructor clicks “Statistics”</li> <li>3. Details of plagiarism checks performed by the instructor is displayed in a table</li> </ol>
<b>Exceptions</b>	N/A
<b>Priority</b>	Medium
<b>When Available</b>	Second release
<b>Channel to Actor</b>	PC based browser with internet connection
<b>Open Issues</b>	None
<b>Status</b>	Done

<b>Case 13: View system usage statistics</b>	
<b>Primary Actor</b>	Admin
<b>Goal in Content</b>	Log in to the system to view system usage statistics
<b>Preconditions</b>	Account should have admin privileges
<b>Trigger</b>	Admin wants to view system usage statistics
<b>Scenario</b>	<ol style="list-style-type: none"> <li>1. Admin enters the credentials and click on "Login"</li> <li>2. Admin clicks "Analysis"</li> <li>3. Statistics of the system usage is displayed in form of intuitive graphs</li> </ol>
<b>Exceptions</b>	N/A
<b>Priority</b>	Medium
<b>When Available</b>	Second release
<b>Channel to Actor</b>	PC based browser with internet connection
<b>Open Issues</b>	None
<b>Status</b>	Done

<b>Case 14: Enroll student to course</b>	
<b>Primary Actor</b>	Instructor
<b>Goal in Content</b>	Enroll students to a course
<b>Preconditions</b>	<ol style="list-style-type: none"> <li>1. Instructor should have a registered account in the system</li> <li>2. Instructor should have created a course</li> </ol>
<b>Trigger</b>	Instructor wants to enroll students to a course created so that the students can submit assignments
<b>Scenario</b>	<ol style="list-style-type: none"> <li>1. Instructor logs in to the system</li> <li>2. Instructor selects the course tab</li> <li>3. Instructor clicks on the “Add students to course” button</li> <li>4. Instructor is displayed a list of students that can be added to course</li> <li>5. Instructors clicks on “Add student to course” button</li> <li>6. Students is removed from the list indicating that he is added to the course</li> </ol>
<b>Exceptions</b>	There are no students displayed in the add students to course page. This indicates that there are no students in the system or all the students are already added to the course
<b>Priority</b>	Medium
<b>When Available</b>	First release
<b>Channel to Actor</b>	PC based browser with internet connection
<b>Open Issues</b>	None
<b>Status</b>	Done

<b>Case 15: Remove student from course</b>	
<b>Primary Actor</b>	Instructor
<b>Goal in Content</b>	Remove student from a course
<b>Preconditions</b>	<ol style="list-style-type: none"> <li>1. Instructor should have a registered account in the system</li> <li>2. Instructor should have created a course and added student to that course</li> </ol>
<b>Trigger</b>	Instructor wants to remove student added to a course
<b>Scenario</b>	<ol style="list-style-type: none"> <li>1. Instructor logs in to the system</li> <li>2. Instructor selects the course tab</li> <li>3. Instructor clicks on the "Remove students from course" button</li> <li>4. Instructor is displayed a list of students that are added to course</li> <li>5. Instructors clicks on "Remove student from course" button</li> <li>6. A prompt is displayed to confirm the removal of student from a course</li> <li>7. Students is removed from the list indicating that he is removed from the course</li> </ol>
<b>Exceptions</b>	There are no students displayed in the remove students to course page. This indicates that there are no students added to the course
<b>Priority</b>	Medium
<b>When Available</b>	First release
<b>Channel to Actor</b>	PC based browser with internet connection
<b>Open Issues</b>	None
<b>Status</b>	Done