

Use Cases :

Use Case:	SpecifyDirectories
Primary Actor:	Professor, Teaching Assistant Staff
Goal in Context:	To be able to specify the homework number and two or more directories that contains homework folders of two or more students for finding out potential case of plagiarism.
Preconditions:	Students have submitted their assignments and their directories are available locally.
Trigger:	The actor decides to select the homework number and directories for detecting plagiarism.
Scenario:	Professor/TA: Selects multiple directories. Professor/TA: Specifies homework number. Professor/TA: Clicks the submit button.
Exceptions:	<ol style="list-style-type: none">1. Homework not submitted by the student: Inform the student to submit the homework in the correct folder.2. Homework submitted in incorrect folder: Inform the student about to submit the homework in the correct folder.
Priority:	Essential, must be implemented
When available:	First increment
Channel to actor:	Desktop app
Secondary Actor:	Support staff
Channels to Secondary Actors:	Support staff – phone line or email

Use Case:	ViewSuspiciousSubmissionPairs
Primary Actor:	Professor, Teaching Assistant
Goal in Context:	To view the summary of the results generated by the plagiarism detector.
Preconditions:	The actor has specified the directories from which files are to be picked up for comparison.
Trigger:	The actor decides to check the submissions for plagiarism.
Scenario:	Professor/TA: uploads the directories of source files. Professor/TA: observes the view summary button and clicks it.
Exceptions:	1. Corrupted file: The files uploaded are corrupted. 2. Incorrect file format: The file format is not recognized by the system.
Priority:	Essential, must be implemented.
When available:	First increment
Channel to actor:	Desktop app
Secondary Actor:	Support Technicians
Channels to Secondary Actors:	Phone lines, Email

Use Case:	SaveReport
Primary Actor:	Professor, Teaching Assistant
Goal in Context:	To download the report of a possible case plagiarism.
Preconditions:	The actor has clicked on a suspicious submission pair and is able to see the snippets of similarity in code on screen.
Trigger:	The actor decides to generate and download a formal report of a possible case of plagiarism which can be presented to OSCCR.
Scenario:	Professor/TA: observes the snippets of code similarity. Professor/TA: clicks on the generate report button. Professor/TA: specifies a location to store the report on the system.
Exceptions:	1. There are no cases of plagiarism. 2. The summaries were not generated due to incorrect file format.
Priority:	Essential, must be implemented.
When available:	First increment
Channel to actor:	Desktop app
Secondary Actor:	Support Technicians
Channels to Secondary Actors:	Phone lines, Email
Open Issues:	What is the format of the report? What should be included in the report? Should the report be a pdf file?

Use Case:	RevealNames
Primary Actor:	Professor, Teaching Assistant
Goal in Context:	To reveal the names of the pair of students whose code snippets are being reviewed by the actor for plagiarism.
Preconditions:	The actor has clicked on a suspicious submission pair and is able to see the snippets of similarity in code on screen.
Trigger:	The actor decides to reveal the names of the student pair whose code snippet has been generated.
Scenario:	Professor: observes the snippets of code similarity. Professor: clicks on the reveal names button.
Exceptions:	1. There are no cases of plagiarism. 2. The summaries were not generated due to incorrect file format.
Priority:	Essential, must be implemented.
When available:	First increment
Channel to actor:	Desktop app
Secondary Actor:	Support Technicians
Channels to Secondary Actors:	Phone lines, Email

Use Case:	EmailReport
Primary Actor:	Professor, Teaching Assistant
Goal in Context:	To email the possible case of plagiarism at hand to either the professor or OSCCR.
Preconditions:	The actor has clicked on a suspicious submission pair and is able to see the snippets of similarity in code on screen.
Trigger:	The actor decides to email the possible case of plagiarism to either professor or OSCCR.
Scenario:	Professor/TA: observes the snippets of code similarity. Professor/TA: clicks on the email.
Exceptions:	3. There are no cases of plagiarism. 4. The summaries were not generated due to incorrect file format.
Priority:	Essential, must be implemented.
When available:	First increment
Channel to actor:	Desktop app
Secondary Actor:	Support Technicians
Channels to Secondary Actors:	Phone lines, Email

Use Case:	EnterCredentials
Primary Actor:	Professor, Teaching Assistant
Goal in Context:	To reveal the names of the pair of students whose code snippets are being reviewed by the actor for plagiarism, he/she has to enter his credentials.
Preconditions:	The actor has clicked on a suspicious submission pair and is able to see the snippets of similarity in code on screen. The actor has clicked on reveal names button.
Trigger:	The actor decides to reveal the names of the student pair whose code snippet has been generated.
Scenario:	Professor: observes the snippets of code similarity. Professor: clicks on the reveal names button. Professor: Enters his credentials.
Exceptions:	1. There are no cases of plagiarism. 2. The summaries were not generated due to incorrect file format.
Priority:	Essential, must be implemented.
When available:	First increment
Channel to actor:	Desktop app
Secondary Actor:	Support Technicians
Channels to Secondary Actors:	Phone lines, Email