

Use Cases for Plagiarism Detector

1. Compare two files

Use Case	Detect plagiarism in two files
Primary Actor	Instructors
Goal in context	Detect possible plagiarism in given two files
Preconditions	The user has logged in successfully The user has the access to detect plagiarism The user has upload files/ select file from existing files
Trigger	Click on the “compare” button
Scenario	1. User logs in 2. System provide users with access for various features 3. User selects options to upload files/ select file from existing files 4. User click on the “compare” button
Exceptions	1. User doesn't upload files 2. User doesn't select file from existing files 3. User doesn't enter all required field correctly
Priority	High
When available	v1.1
Channel to Actor	Screen
Secondary Actor	Students
Channels to Secondary Actors:	Web browser
Open Issues:	Students might have partly access to check plagiarism with partly access.

2. View Detail of plagiarism detection

Use Case	View details plagiarism test
Primary Actor	Instructors
Goal in context	View details of possibly copied code by highlighting the similar code
Preconditions	The user has the access to detect plagiarism The user has chosen to detect plagiarism The user has the access to view details
Trigger	Click on the “View Detail” button
Scenario	1. User log in 2. System provide users with access for various features 3. User selects options to upload files/ select file from existing files 4. User click on the “compare” button 5. System show possibility of plagiarism 6. User click on the “View Detail” button
Exceptions	1. User doesn’t have the access to view details
Priority	High
When available	v1.1
Channel to Actor	Screen
Secondary Actor	Students
Channels to Secondary Actors:	Web browser
Open Issues:	If there are multiple plagiarism detection algorithm, View Details should show various detail pages/ one pages containing details from various detection algorithm

3. Download Plagiarism Report

Use Case	Download detection report
Primary Actor	Instructors
Goal in context	Download the plagiarism detection details to user's local system
Preconditions	The user has the access to detect plagiarism The user has chosen to detect plagiarism The user has the access to download detailed report
Trigger	Click on the "Download detailed report" button
Scenario	1. User log in 2. System provide users with access for various features 3. User selects options to upload files/ select file from existing files 4. User click on the "compare" button 5. System show possibility of plagiarism 6. User click on the "download report" button
Exceptions	1. User doesn't have the access to download details
Priority	Medium
When available	v1.1/v1.2
Channel to Actor	Screen
Secondary Actor	Students
Channels to Secondary Actors:	Web browser
Open Issues:	If there are multiple plagiarism detection algorithm, "download detailed report" should download one pages containing details from various detection algorithm

4. Save Uploaded Files in the system

Use Case	Save detected files
Primary Actor	Instructors
Goal in context	Save the detected files to a database contains already tested files.
Preconditions	The user has the access to detect plagiarism The user has chosen to detect plagiarism The user has the access to save files to the database
Trigger	Click on the “Save selected files” button
Scenario	1. User log in 2. System provide users with access for various features 3. User selects options to upload files/ select file from existing files 4. User click on the “compare” button 5. System show possibility of plagiarism 6. User select files to save 7. User click on the “save selected files” button
Exceptions	1. The use doesn’t select any uploaded file 2. The selected file already existing in the database
Priority	Medium
When available	v1.1/v1.2
Channel to Actor	Screen
Secondary Actor	Students
Channels to Secondary Actors:	Web browser
Open Issues:	Users have the access to save both uploaded files or any uploaded file according to their demand.

5. Choose plagiarism option

Use Case	Choose an option to run plagiarism detector
Primary Actor	Instructors
Goal in context	The user has the access to detect plagiarism
Preconditions	The user has the access to detect plagiarism The user has chosen to detect plagiarism
Trigger	Click on one of the two option buttons
Scenario	1. User log in 2. There are 2 buttons 3. Upload 2 new Documents 4. Upload a new doc and compare with existing 5. The user selects one of the options
Exceptions	1. The use doesn't select any uploaded file 2. The selected file already existing in the database
Priority	High.
When available	v1.1
Channel to Actor	Screen
Secondary Actor	Students
Channels to Secondary Actors:	Web Browser
Open Issues:	

6. Upload two files from user's filesystem

Use Case	Upload two new files
Primary Actor	Instructors
Goal in context	Give input file to the system to run plagiarism check
Preconditions	The user has the access to detect plagiarism The user has chosen to detect plagiarism
Trigger	Click on the 'choose file' button
Scenario	1. User Login 2. The system will provide various options to user and the user will select upload 2 documents 3. User will click on the 'choose file' button. 4. The user will be prompted to select a file from his file system
Exceptions	1. User doesn't choose a file after clicking on the 'choose file' button 2. User uploads unsupported file format 3. User didn't select supported file formats
Priority	High.
When available	v1.1
Channel to Actor	Screen
Secondary Actor	Students
Channels to Secondary Actors:	Web Browser
Open Issues:	User can upload malicious files/ too large files

7. Upload a files from user's filesystem and compare with saved doc

Use Case	Upload a new doc and compare with saved doc
Primary Actor	Instructors
Goal in context	Give input file to the system to run plagiarism check
Preconditions	The user has the access to detect plagiarism The user has chosen to detect plagiarism
Trigger	Click on the upload button and select a file from drop down menu
Scenario	<ol style="list-style-type: none">1. User Login2. The system will provide various options to user and the user will select upload a document and compare with saved docs3. User will click on the upload button.4. The user will be prompted to select a file from his file system5. Click on the upload button.6. The user will be prompted to select a file from his file system.7. There will be a list of existing files in a drop down menu. The user should select one file from it.
Exceptions	<ol style="list-style-type: none">1. User doesn't upload a file after clicking on the upload button2. User uploads and invalid or empty file3. User doesn't select a file from drop down menu4. User didn't select supported file formats
Priority	High.
When available	v1.1
Channel to Actor	Screen
Secondary Actor	Students
Channels to Secondary Actors:	Web Browser
Open Issues:	User can upload malicious files/ too large files

8. Upload a new document comparing with web file (future scope)

Use Case	Upload a new doc and compare with web
Primary Actor	Instructor
Goal in context	Give input file to the system
Preconditions	The user has the access to detect plagiarism The user has chosen to detect plagiarism
Trigger	Click on the upload button and enter a url in textbox
Scenario	1. User Login 2. The system will provide various options to user and the user will select upload a document and compare with web 3. User will click on the upload button. 4. The user will be prompted to select a file from his file system 5. Click on the upload button. 6. There will be a textbox where the user will enter the url of the webpage to be used for plagiarism detection
Exceptions	1. User doesn't upload a file after clicking on the upload button 2. User uploads and invalid or empty file 3. User doesn't upload a valid url
Priority	High
When available	v1.1
Channel to Actor	Screen
Secondary Actor	Students
Channels to Secondary Actors:	Web Browser
Open Issues:	1. User can upload malicious files/ too large files 2. User can input a malicious url