Use Case Template

(adapted by Pressman and Maxim, Software Engineering: A Practitioner's Approach, pp. 151-152, from Cockburn, A., Writing Effective Use-Cases, Addison-Wesley, 2001)

Use Case:	Access the system functionality by login into the system
Primary Actor:	Registered user
Goal in Context:	To access the system and its features through the portal on the internet.
Preconditions:	User must have an account in the system.
Trigger:	The user decides to access the plagiarism application.
Scenario:	The user visits the home page or login page of the application. The user enters his/her user Id The user enters his/her password The user clicks on login button The system displays the main page for uploading files
Exceptions:	User is not registered in the system Username is incorrect: User re-enters correct username Password is incorrect: User re-enters correct username Username or password left blank: User enters information Users is not able to enter correct username or password No internet connection available Users computer shuts down

The following fields are optional	
Priority:	Essential, must be implemented
When available:	Second increment
Channel to actor:	Via browser and internet connection
Secondary Actor:	
Channels to Secondary Actors:	
Open Issues:	Can the user reset password himself or needs to contact support to do it for him?

Use Case:	Request for access to the system
Primary Actor:	Unregistered student or Professor
Goal in Context:	To register or create an account so that system features can be accessed
Preconditions:	Student or Professor must not be already registered.
Trigger:	Student or Professor decides to access the plagiarism detection system to submit file
Scenario:	User goes to the home page User clicks on the request access button User is taken to the register page User enters a username, email and password for identification User re-enters password for verification User clicks on Register to submit his/her request
Exceptions:	Username already exists Username validation is false Email address not valid Email address already exists in the system Password requirements not met Password verification is false No internet connection User is not able to access the web application portal User computer shuts down

The following fields are optional	
Priority:	Moderate priority, to be implemented after basic functionality
When available:	Third increment
Channel to actor:	Via computer and internet connection
Secondary Actor:	Admin
Channels to Secondary Actors:	Phone or PC based system
Open Issues:	

Use Case:	Change password
Primary Actor:	Student or Professor
Goal in Context:	To change his/her password
Preconditions:	Must be a registered user and have an account in the system. Appropriate username and password must have been obtained.
Trigger:	Student or Professor decides to change his/her password
Scenario:	User visits the web application via his browser User logs in to the application User goes to the profile page by clicking on the Profile link in the main menu User clicks on the link Change Password User is taken to the Change Password page User enters the old password and new password in the respective input fields User re-enters his new password in the corresponding input field User clicks on Submit and password is changed User gets a notification that password has been changed successfully.
Exceptions:	User enters an incorrect old password User enters an invalid password The password re-entered for confirmation is not the same Internet connection lost during the process User's system shuts down.

The following fields are optional	
Priority:	Low priority, to be implemented after basic functionality
When available:	Fifth increment
Channel to actor:	Via computer browser and internet connection.
Secondary Actor:	
Channels to Secondary Actors:	
Open Issues:	

Use Case:	To compare files to detect matching for plagiarism check
Primary Actor:	Professor
Goal in Context:	To give two files to the application for comparison to detect plagiarism
Preconditions:	Professor must be registered. Appropriate credentials must have been obtained. Professor must have 2 files he wants to compare.
Trigger:	Professor decides to run a plagiarism check on two files
Scenario:	Professor visits the web application portal. Professor logs into the application Professor goes to the home page Professor uploads two files to be compared by clicking on the upload file button and selecting the file to be uploaded Professor clicks on Compare button
Exceptions:	Professor gets signed out Professor uploads files whose format is not supported Professor inputs only one file Professor inputs no files Internet connection lost Professor system powers off.

The following fields are optional	
Priority:	Essential, must be implemented
When available:	Third increment
Channel to actor:	Via computer browser and internet connection
Secondary Actor:	
Channels to Secondary Actors:	
Open Issues:	

Use Case:	To compare files against a repository to detect plagiarism
Primary Actor:	Student
Goal in Context:	To give a file to the plagiarism detection application to be compared against an existing repository and see if there is any plagiarism detected.
Preconditions:	Student must be registered. Appropriate credentials must have been obtained. Student must have a file or project he wants to check for plagiarism
Trigger:	Student decides to run a plagiarism check on his file or project
Scenario:	Student visits the web application portal. Student logs into the application Student goes to the home page Student uploads his file to be compared by clicking on the upload file button and selecting the file to be uploaded Student clicks on Compare button Student's file is compared against the repository The result of the comparison is displayed to the student.
Exceptions:	Student gets signed out Student uploads file whose format is not supported Student inputs no files Internet connection lost Student system powers off.

The following fields are optional	
Priority:	Medium priority, must be implemented after essential functionality.
When available:	Fourth increment
Channel to actor:	Via computer browser and internet connection
Secondary Actor:	
Channels to Secondary Actors:	
Open Issues:	

Use Case:	To compare projects to detect matching for plagiarism check
Primary Actor:	Professor
Goal in Context:	To give two projects to the system for comparison to detect plagiarism
Preconditions:	Professor must be registered. Appropriate credentials must have been obtained Professor must have 2 projects he wants to compare.
Trigger:	Professor decides to run a plagiarism check on two projects
Scenario:	Professor visits the web application portal. Professor logs into the application Professor goes to the home page Professor uploads two projects to be compared by clicking on the upload file button and selecting the project to be uploaded Professor clicks on Compare button
Exceptions:	Professor gets signed out Professor uploads files whose format is not supported Professor inputs only one project Professor inputs no projects Internet connection lost Professor's system powers off.

The following fields are optional	
Priority:	Essential, must be implemented
When available:	Fourth increment
Channel to actor:	Computer browser and internet connection
Secondary Actor:	
Channels to Secondary Actors:	
Open Issues:	

Use Case:	To view summary report of plagiarism check
Primary Actor:	Student or Professor
Goal in Context:	To view the comparison report showing percentage match after running plagiarism check
Preconditions:	User must be logged in. User must have submitted the files for comparison and clicked on compare button. The system must have finished comparing the files
Trigger:	User decides to check the percentage match between two files
Scenario:	User visits the web application portal via his browser User logs in to the application User is taken to the home page User uploads files for comparison by clicking on the upload file button and uploading files to be compared User clicks on compare button User is presented with a result indicating percentage match detected after comparison is completed
Exceptions:	User gets logged out during the session Internet connection lost User's system shuts down There are errors during processing by the system The comparison process has not yet been completed

The following fields are optional	
Priority:	Essential, must be implemented
When available:	Third iteration
Channel to actor:	Computer browser and internet connection
Secondary Actor:	
Channels to Secondary Actors:	
Open Issues:	

Use Case:	To view detailed report for the comparison between two files submitted
Primary Actor:	Professor
Goal in Context:	To view the details of the plagiarism check and where such was detected
Preconditions:	User must be logged in. User must have submitted files for comparison The system must have compared the files
Trigger:	Professor decides to check the details of the plagiarism comparison report
Scenario:	User visits the web application portal via his browser User logs in to the application User is taken to the home page User uploads two files for comparison by clicking on the upload file button and uploading files to be compared User clicks on the Compare button System compares the given files User is presented with a summary report indicating percentage match found User clicks on View detailed report button User is taken to a link which has the detailed report
Exceptions:	User gets logged out System error while comparing files Internet connection is lost User's system shuts down Link to view detailed report is broken

The following fields are optional	
Priority:	Essential, must be implemented
When available:	Fourth Increment
Channel to actor:	Computer browser and internet connection
Secondary Actor:	
Channels to Secondary Actors:	
Open Issues:	

Use Case:	Support for any issues while using the system
Primary Actor:	Admin
Goal in Context:	To provide help and support in case of any issues the user encounters while using the system
Preconditions:	User must be registered. Admin must have access to his login and computer.
Trigger:	User decides to contact admin for support
Scenario:	User has some problems while using the system User contacts(calls or emails) admin regarding this Admin helps user solve issues
Exceptions:	Users internet connection is lost Admin's internet connection is lost Phone network connection is lost User is not able to describe the issue clearly.

The following fields are optional	
Priority:	Low, to be implemented after covering all basic functionality
When available:	Fifth increment
Channel to actor:	Computer based system or Phone
Secondary Actor:	User
Channels to Secondary Actors:	Computer based system or Phone
Open Issues:	

Use Case:	Approve requests for registration
Primary Actor:	Admin
Goal in Context:	To approve or reject user requests to register or create an account in the system.
Preconditions:	User must not already be registered. User must have submitted a registration request.
Trigger:	Student or Professor decides to create an account.
Scenario:	Student or Professor submits a request for registration. Admin logs in into his portal Admin views all the pending requests Admin review the requests Admin approves or rejects the requests for registering.
Exceptions:	User is already registered. Admin is not able to access his portal Admin's system shuts down Internet connection is lost

The following fields are optional	
Priority:	Low, to be implemented after basic functionality is done
When available:	Fifth increment
Channel to actor:	Computer browser and internet connection.
Secondary Actor:	User
Channels to Secondary Actors:	Computer based system or Phone
Open Issues:	