

Use Case:	Register User
Primary Actor:	Admin, Instructor
Goal in Context:	To create a new account from the web page so that users can access the plagiarism detector
Preconditions	The user should have an email ID
Trigger:	When user doesn't have an account and would like to use the plagiarism detector
Scenario:	<ul style="list-style-type: none"> <li>• User Clicks on register user on the home page</li> <li>• Enter his or her Full name, email id and password</li> <li>• Select type of user</li> <li>• Clicks on register</li> <li>• User is logged in and enters homepage.</li> </ul>
Exceptions:	<ul style="list-style-type: none"> <li>• Email id, full name or password is invalid.</li> <li>• Network error and user is not able to complete registration.</li> </ul>

Use Case:	Validate registration details
Primary Actor:	Admin, Instructor
Goal in Context:	To have the proper credentials when registering a user
Preconditions	User must have entered valid registration details
Trigger:	<ul style="list-style-type: none"> <li>• User fills the input forms</li> <li>• User clicks on Login/ Register button</li> </ul>
Scenario:	<ul style="list-style-type: none"> <li>• User Clicks on create user in the home page</li> <li>• Enter his or her Full name, email id and password</li> <li>• Clicks on register</li> <li>• Navigate back to the login page</li> </ul>
Exceptions:	<ul style="list-style-type: none"> <li>• Email id, full name or password is invalid.</li> <li>• Network error and user is not able to complete registration.</li> </ul>

Use Case:	Login User
Primary Actor:	Admin, Instructor
Goal in Context:	To login to the account from the web page so that users can access the plagiarism detector.
Preconditions	The user should have an existing account with email id and password.
Trigger:	When the user would like to compare files for plagiarism detection.
Scenario:	<ul style="list-style-type: none"> <li>• The user opens the website</li> <li>• The user enters his or her email id and password</li> <li>• User navigates to home of the application</li> </ul>
Exceptions:	<ul style="list-style-type: none"> <li>• Invalid email id or password</li> <li>• Network error and user is not able to login</li> </ul>

Use Case:	Logout User
Primary Actor:	Admin, Instructor
Goal in Context:	To logout from the account once user is done with the application.
Preconditions	The user should be logged in.
Trigger:	When user does not need the access to the plagiarism application anymore.
Scenario:	<ul style="list-style-type: none"> <li>• User clicks on the logout button.</li> <li>• User is navigated to the login page</li> </ul>
Exceptions:	<ul style="list-style-type: none"> <li>• Network error and user is not able to Logout.</li> </ul>

Use Case:	Comparing files
Primary Actor:	Admin, Instructor
Goal in Context:	To compare files for plagiarism detection
Preconditions	<ul style="list-style-type: none"> <li>• The user should be logged in.</li> <li>• There should have files uploaded to compare.</li> <li>• The user should have access to the files</li> </ul>
Trigger:	When user presses the compare button.
Scenario:	<ul style="list-style-type: none"> <li>• Selects the algorithm for comparison</li> <li>• User clicks on compare button</li> <li>• User sees a progress circle next to the button.</li> <li>• User is navigated to the report page</li> </ul>
Exceptions:	<ul style="list-style-type: none"> <li>• Empty directory: No files to compare in the directory.</li> <li>• Process is interrupted due to unhandled exceptions.</li> <li>• Network error and system is not able to connect to backend</li> </ul>
Open issues:	<ul style="list-style-type: none"> <li>• Error thrown has specific error codes, which helps admin determine which kind of error it is.</li> </ul>

Use Case:	View Results
Primary Actor:	Admin, Instructor
Goal in Context:	The user would like to get a report of compared files
Preconditions	<ul style="list-style-type: none"> <li>• The user should be logged in.</li> <li>• The files are already compared using one of the provided algorithms</li> </ul>
Trigger:	When user would like to view report of compared files
Scenario:	<ul style="list-style-type: none"> <li>• User waits for the progress bar to finish</li> <li>• User is Navigated to the view results page</li> </ul>
Exceptions:	<ul style="list-style-type: none"> <li>• Machine freezes or takes too long due to excessive files</li> <li>• Network error and user is not able to view results.</li> </ul>

Use Case:	Side by side comparison result
Primary Actor:	Admin, Instructor
Goal in Context:	The user would like to see plagiarised files side by side with highlighted text
Preconditions	<ul style="list-style-type: none"> <li>• The user should be logged in.</li> <li>• The files are already compared using one of the provided algorithms</li> <li>• The user is in result page</li> </ul>
Trigger:	When user would like to view plagiarised blocks of the code
Scenario:	<ul style="list-style-type: none"> <li>• User is in the result page.</li> <li>• User clicks icon to see side by side report of the two files.</li> </ul>
Exceptions:	<ul style="list-style-type: none"> <li>• Network error and user is not able to view results.</li> </ul>

Use Case:	Delete folder
Primary Actor:	Admin, Instructor
Goal in Context:	The user would like to delete folder from the plagiarism detector
Preconditions	<ul style="list-style-type: none"> <li>• The user should be logged in.</li> <li>• There should have at least one folder in the application</li> </ul>
Trigger:	User presses the delete icon on the page with previously added folders.
Scenario:	<ul style="list-style-type: none"> <li>• User is currently at the homepage</li> <li>• User clicks on delete folder</li> <li>• Folder is removed from the homepage.</li> </ul>
Exceptions:	<ul style="list-style-type: none"> <li>• Network error and user is not able to view report page.</li> </ul>



Use Case:	Upload folder
Primary Actor:	Admin, Instructor
Goal in Context:	The user would like to upload a folder of projects for comparing.
Preconditions	The user should be logged in.
Trigger:	When user needs to start comparing a folder of projects, and press the upload folder button.
Scenario:	<ul style="list-style-type: none"> <li>• User clicks on upload folder button</li> <li>• User selects his local folder with all the files to compare.</li> <li>• User is navigated to the homepage with new folder added.</li> </ul>
Exceptions:	<ul style="list-style-type: none"> <li>• Network error and user is not able to view results.</li> <li>• Wrong extension of project file.</li> <li>• Exceed the acceptable file size.</li> </ul>

Use Case:	Statistics
Primary Actor:	Admin, Instructor
Goal in Context:	The user would like to see the statistics for number of times comparison algorithm has run.
Preconditions	The user should be logged in. User should have one folder uploaded.
Trigger:	When user needs to see number of times comparison algorithms has been run
Scenario:	<ul style="list-style-type: none"> <li>• User clicks the stats button next to the folder</li> <li>• User is navigated to the statistics page.</li> </ul>
Exceptions:	<ul style="list-style-type: none"> <li>• Network error</li> </ul>

Use Case:	Delete User
Primary Actor:	Admin
Goal in Context:	The actor would like to delete a registered in user
Preconditions	The user should be logged in as admin
Trigger:	When actor needs to delete a user
Scenario:	<ul style="list-style-type: none"> <li>• Admin logs in to the system</li> <li>• Admin clicks on manage user</li> <li>• Admin is navigated to manage user screen</li> <li>• Admin clicks on the delete user next to the registered user</li> <li>• User is deleted</li> </ul>
Exceptions:	<ul style="list-style-type: none"> <li>• Network error</li> <li>• User doesn't exist.</li> </ul>