

CODESNIFFER – USE CASES

Use Case:	Login
Primary Actor:	Professor/Admin/Student
Goal in Context:	To login into the application.
Preconditions:	Appropriate user id and password must be used to login to the portal
Trigger:	Admin creates, updates, deletes user. Students can upload the assignments. Professor suspects two projects to be similar and would like to run plagiarism detection on those projects.
Scenario:	<ol style="list-style-type: none"> 1. User opens the portal. 2. User enters his username and password. 3. The portal displays homepage of the portal on successful validation of the user.
Exceptions:	<ol style="list-style-type: none"> 1. Login credentials are incorrect
Priority:	High priority, needs to be implemented as a basic function as other use cases are highly dependent on this
When Available:	Sprint 1

Use Case:	Select semester and course
Primary Actor:	Professor /Student
Goal in Context:	For student, select semester and the course for which he wants to submit assignment. For professor, select semester and the course for which he wants to check plagiarism.
Preconditions:	Appropriate user id and password must be used to login to the portal
Trigger:	Students wants to upload assignment for a particular course. Professor suspects two projects to be similar and would like to run plagiarism detection on those projects for a particular course.
Scenario:	<ol style="list-style-type: none"> 1. User opens the portal. 2. User enters his username and password. 3. The portal displays homepage of the portal on successful validation of the user. 4. Select the semester. 5. Navigate to respective dashboard and select course.

Exceptions:	<ol style="list-style-type: none"> 1. Login credentials are incorrect 2. The user is not registered for the semester he has selected. 3. The user is not registered for the course he has selected in this semester.
Priority:	High priority, needs to be implemented as a basic function as other use cases are highly dependent on this.
When Available:	Sprint 1

Use Case:	Upload project folders
Primary Actor:	Student
Goal in Context:	To upload the assignment.
Preconditions:	<ol style="list-style-type: none"> 1. Appropriate user id and password must be used to login to the portal. 2. The user should be registered for the course for which he wants to submit the assignment.
Trigger:	Students wants to upload and submit the assignment, he has completed.
Scenario:	<ol style="list-style-type: none"> 1. User opens the portal. 2. User enters his username and password. 3. The portal displays homepage of the portal on successful validation of the user. 4. Select the semester. 5. Navigate to respective dashboard and select course. 6. Click on submit assignment and upload the folder.
Exceptions:	<ol style="list-style-type: none"> 1. Login credentials are incorrect 2. The user is not registered for the semester he has selected. 3. The user is not registered for the course he has selected in this semester.
Priority:	High priority, needs to be implemented as a basic function as other use cases are highly dependent on this.
When Available:	Sprint 2

Use Case:	Upload project folders from GitHub link
Primary Actor:	Student
Goal in Context:	To upload the assignment form GitHub

Preconditions:	<ol style="list-style-type: none"> 1. Appropriate user id and password must be used to login to the portal. 2. The user should be registered for the course for which he wants to submit the assignment.
Trigger:	Students wants to upload and submit the assignment, he has uploaded on GitHub.
Scenario:	<ol style="list-style-type: none"> 1. User opens the portal. 2. User enters his username and password. 3. The portal displays homepage of the portal on successful validation of the user. 4. Select the semester. 5. Navigate to respective dashboard and select course. 6. Click on submit assignment and enters the GitHub link.
Exceptions:	<ol style="list-style-type: none"> 1. Login credentials are incorrect. 2. The user is not registered for the semester he has selected. 3. The user is not registered for the course he has selected in this semester.
Priority:	Medium priority, comes under stretch.
When Available:	Sprint 3

Use Case:	Add course
Primary Actor:	Professor /Student
Goal in Context:	Enroll in a particular semester.
Preconditions:	<ol style="list-style-type: none"> 1. Appropriate user id and password must be used to login to the portal. 2. Should be registered for at least one semester.
Trigger:	Students wants to enroll for a course.
Scenario:	<ol style="list-style-type: none"> 1. User opens the portal. 2. User enters his username and password. 3. The portal displays homepage of the portal on successful validation of the user. 4. Select the semester. 5. Navigate to respective dashboard and enrolls for a course.
Exceptions:	<ol style="list-style-type: none"> 1. Login credentials are incorrect 2. The user is not registered for the semester.
Priority:	High priority, needs to be implemented for sprint 2.
When Available:	Sprint 2

Use Case:	Perform plagiarism detection
Primary Actor:	Professor
Goal in Context:	To detect plagiarism on the uploaded files.
Preconditions:	<ol style="list-style-type: none"> 1. Appropriate user id and password must be used to login to the portal. 2. Should be registered for at least one semester and a course. 3. Should upload the assignment. 4. The application should have at least one assignment from a different user for same assignment name.
Trigger:	Students wants to enroll for a course.
Scenario:	<ol style="list-style-type: none"> 1. User opens the portal. 2. User enters his username and password. 3. The portal displays homepage of the portal on successful validation of the user. 4. Select the semester. 5. Navigate to respective dashboard and selects the course and clicks on "Submit". 6. Uploads the assignments and submits them.
Exceptions:	<ol style="list-style-type: none"> 1. Login credentials are incorrect 2. The user is not registered for the semester. 3. The user is not registered for that course. 4. The assignment does not exist.
Priority:	High priority, needs to be implemented as a basic function.
When Available:	Sprint 1

Use Case:	View plagiarism detection result
Primary Actor:	Professor
Goal in Context:	To view detailed plagiarism report.
Preconditions:	<ol style="list-style-type: none"> 1. Appropriate user id and password must be used to login to the portal. 2. Should be registered for at least one semester and a course. 3. Some student should have upload the assignments. 4. Plagiarism detection should be performed on two projects.
Trigger:	The application shows a plagiarism report, which has a similarity score above the threshold.

Scenario:	<ol style="list-style-type: none"> 1. User opens the portal. 2. User enters his username and password. 3. The portal displays homepage of the portal on successful validation of the user. 4. Select the semester. 5. Navigate to respective dashboard and selects the course and clicks on an assignment. 6. Professor selects the report from a list of reports to view the detailed report.
Exceptions:	<ol style="list-style-type: none"> 1. Login credentials are incorrect 2. The user is not registered for the semester. 3. The user is not registered for that course. 4. The assignment does not exist. 5. None of the students have submitted the assignment.
Priority:	High priority, needs to be implemented as a basic function.
When Available:	Sprint 1

Use Case:	Update Threshold
Primary Actor:	Professor
Goal in Context:	To update threshold for the particular assignment.
Preconditions:	User should login as professor with right credentials.
Trigger:	The professor might need to increase or decrease the threshold.
Scenario:	<ol style="list-style-type: none"> 1. Professor opens the portal. 2. Professor enters his username and password. 3. The portal displays homepage of the portal on successful validation of the user. 4. Select a semester and a course. 5. Updates the threshold of an assignment.
Exceptions:	<ol style="list-style-type: none"> 1. Login credentials are incorrect 2. No semesters are registered. 3. No courses are registered. 4. The assignment does not exist.
Priority:	Medium priority, can be implemented after basic functions.
When Available:	Sprint 3

Use Case:	Mail plagiarism detection report to professor
Primary Actor:	System
Goal in Context:	To mail detailed plagiarism report to professor once a report is found with similarity more than threshold value.
Preconditions:	<ol style="list-style-type: none"> 1. Some student should have upload the assignments. 2. Plagiarism detection should be performed on two projects.
Trigger:	The application has a plagiarism report, which has a similarity score above the threshold and this report should be sent to the concerned professor.
Scenario:	<ol style="list-style-type: none"> 1. User opens the portal. 2. User enters his username and password. 3. The portal displays homepage of the portal on successful validation of the user. 4. Select the semester. 5. Navigate to respective dashboard and selects the course and clicks on submit assignment. 6. Uploads project and this matches with one of the existing assignments.
Exceptions:	<ol style="list-style-type: none"> 1. Login credentials are incorrect 2. The user is not registered for the semester. 3. The user is not registered for that course. 4. The assignment does not exist. 5. None of the students have submitted the assignment. 6. There is no plagiarism detection.
Priority:	High priority, needs to be implemented as a basic function.
When Available:	Sprint 2

Use Case:	Report to Disciplinary Board
Primary Actor:	System
Goal in Context:	To mail detailed plagiarism report to OSCCR once Professor has found similarity more than threshold value
Preconditions:	<ol style="list-style-type: none"> 1. Some student should have uploaded the assignments. 2. Plagiarism detection should be performed on two projects.
Trigger:	The application has a plagiarism report, which has a similarity score above the threshold and this report should be sent to the OSCCR.

Scenario:	<ol style="list-style-type: none"> 1. User opens the portal. 2. User enters his username and password. 3. The portal displays homepage of the portal on successful validation of the user. 4. Select the semester. 5. Navigate to respective dashboard and selects the course and clicks on submit assignment. 6. Uploads project and this matches with one of the existing assignments.
Exceptions:	<ol style="list-style-type: none"> 1. Login credentials are incorrect 2. The user is not registered for the semester. 3. The user is not registered for that course. 4. The assignment does not exist. 5. None of the students have submitted the assignment. 6. There is no plagiarism detection.
Priority:	Medium priority, can be implemented after basic functions.
When Available:	Sprint 2

Use Case:	Share report to with students
Primary Actor:	Professor
Goal in Context:	To mail detailed plagiarism report to the students caught in plagiarism.
Preconditions:	<ol style="list-style-type: none"> 1. Some student should have uploaded the assignments. 2. Plagiarism detection should be performed on two projects. 3. The similarity score should be above the threshold.
Trigger:	the professor has found a plagiarism report, which has a similarity score above the threshold and thinks that this report should be shared with the students.
Scenario:	<ol style="list-style-type: none"> 1. User opens the portal. 2. User enters his username and password. 3. The portal displays homepage of the portal on successful validation of the user. 4. Select the semester. 5. Navigate to respective dashboard and selects the course and the assignment. 6. Clicks on the share button for a particular report.
Exceptions:	<ol style="list-style-type: none"> 1. Login credentials are incorrect 2. The user is not registered for the semester. 3. The user is not registered for that course. 4. The assignment does not exist. 5. None of the students have submitted the assignment. 6. There is no plagiarism detection.
Priority:	Medium priority, can be implemented after basic functions.

When Available:	Sprint 3
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Use Case:	Mange users
Primary Actor:	Admin
Goal in Context:	To update users existing in the database
Preconditions:	User should login as admin with right credentials
Trigger:	The admin might need to update the details of user.
Scenario:	<ol style="list-style-type: none"> 1. Admin opens the portal. 2. Admin enters his username and password. 3. The portal displays homepage of the portal on successful validation of the user. 4. Navigate to manage users. 5. Updates the details of users.
Exceptions:	<ol style="list-style-type: none"> 1. Login credentials are incorrect 2. No student or professor is registered.
Priority:	Medium priority, can be implemented after basic functions.
When Available:	Sprint 2

Use Case:	Mange semesters
Primary Actor:	Admin
Goal in Context:	To update semesters existing in the database or to add new semester.
Preconditions:	User should login as admin with right credentials
Trigger:	The admin might need to update the semesters.

Scenario:	6. Admin opens the portal. 7. Admin enters his username and password. 8. The portal displays homepage of the portal on successful validation of the user. 9. Navigate to manage semesters. 10. Updates the details of semesters or adds new semester.
Exceptions:	5. Login credentials are incorrect 6. No student or professor is registered.
Priority:	Medium priority, can be implemented after basic functions.
When Available:	Sprint 2

Use Case:	Mange courses
Primary Actor:	Admin
Goal in Context:	To update courses existing in the database or to add new courses.
Preconditions:	User should login as admin with right credentials.
Trigger:	The admin might need to update the courses.
Scenario:	11. Admin opens the portal. 12. Admin enters his username and password. 13. The portal displays homepage of the portal on successful validation of the user. 14. Navigate to manage courses. 15. Updates the details of courses or adds new course.
Exceptions:	7. Login credentials are incorrect 8. No student or professor is registered.
Priority:	Medium priority, can be implemented after basic functions.
When Available:	Sprint 2