Course Management System: Use-case

Outline:

* Subsystems
* Actors
* Actors Glossary
* Subsystem
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Subsystems:

* Account management system
* Course content management system
* Exam management system
* Notification system
* Interactive routine system

Actors Glossary:

|  |  |  |
| --- | --- | --- |
| Actor | Short Key | Activity Scope |
| Admin |  | Approves account |
| Teacher |  | Upload course content, Schedule exam, Give Notice |
| Student |  | Download course content, Submit offline, View notification, View routine |
| Class Representative | CR | Upload course content |
| <<System>> Exam Management System | EMS | Invokes to send notification |
| <<System>> Course content Management System | CCMS | Invokes to send notification |

# Account management system:

Use-case Glossary:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | UseCase name | Description | Participant actors and roles |
| 1.1 | Login | Providing access depending on accuracy of username and password | Teacher and student provide username and password |
| 1.2 | Logout | Logging out of the system | Teacher and student log out of the system |
| 1.3 | Open account | Creating a new account for access to certain courses | Teacher and student fill up a form, contents of the form  is forwarded to admin |
| 1.4 | Approve account | Approval of newly created account | Admin approves the account based on physical evidence |
| 1.5 | Show profile | Profile information is showed | Teacher and student can view their account information |
| 1.6 | Update profile | Profile information is updated | Teacher and student can update their profile; after  completion of update, Show profile is initiated |

UseCase diagram

Use case narrative: Login

|  |  |
| --- | --- |
| UseCase name | Define route and price |
| UseCase ID | 1.1 |
| Priority | High |
| Primary business actor | n/a |
| Primary system actor | Teacher, student |
| External server actor | Course Content Management System |
| External receiver actor | n/a |
| Description | Providing access depending on accuracy of username and password |
| Trigger | Teacher, student |

Typical Course of Event: Login

|  |  |
| --- | --- |
| Actor Action | System Response |
| Teacher, student invokes Login | Requests for ID and password |
| Teacher, student give ID and password | 1. Verifies ID and password 2. If ID and password are correct, Course Content Management System is invoked |

Documentation: Login

* Conclusion: concludes after invoking the CCMS
* Business rules
  + Show Course page under CCMS is only visible to appropriate receiver

1.2 Logout: Use case narrative

|  |  |
| --- | --- |
| UseCase name | Define route and price |
| UseCase ID | 1.2 |
| Priority | High |
| Primary business actor | n/a |
| Primary system actor | Teacher, student |
| External server actor | n/a |
| External receiver actor | n/a |
| Description | Logging out of the system |
| Trigger | Teacher, student |

Typical Course of Event: Logout

|  |  |
| --- | --- |
| Actor Action | System Response |
| Teacher, student invokes Logout | Lets the user log out of the system |

Documentation: Logout

* Conclusion: concludes after letting the user log out of the system
* Business rules
  + Once a user is logged out, he/she cannot see any profile from his/her profile or courses until next Login

1.3 Open account: Use case narrative

|  |  |
| --- | --- |
| UseCase name | Define route and price |
| UseCase ID | 1.3 |
| Priority |  |
| Primary business actor | n/a |
| Primary system actor | Teacher, student |
| External server actor | Admin |
| External receiver actor | n/a |
| Description | Creating a new account for access to certain courses |
| Trigger | Teacher, student |

Typical Course of Event: Open Account

|  |  |
| --- | --- |
| Actor Action | System Response |
| Teacher, student invokes Create account | Request information in a form  about the user who is trying to create a new account |
| Teacher, student submits the form with information | The information is the form is sent to the Admin |

Documentation: Open account

* Conclusion: concludes after sending the form to the admin
* Business rules
  + Information in the form is hidden expect for the eyes of the admin

1.4 Approve account: Use case narrative

|  |  |
| --- | --- |
| UseCase name | Define route and price |
| UseCase ID | 1.4 |
| Priority | High |
| Primary business actor | Teacher, student |
| Primary system actor | Admin |
| External server actor | n/a |
| External receiver actor | n/a |
| Description | Approval of newly created account |
| Trigger | Admin |

Typical Course of Event: Approve account

|  |  |
| --- | --- |
| Actor Action | System Response |
| Admin invokes Approve account | Presents a list of forms waiting to be approved |
| Admin selects the accounts to be approved | Information is sent to respective teacher/student informing the news of approving |

Documentation: Approve account

* Conclusion: concludes after informing teacher/student of confirmation of approval
* Business rules:
  + Only admin can approve accounts
  + Only the respective teacher/student can know of approval of his/her account

1.4 Show Profile: Use case narrative

|  |  |
| --- | --- |
| UseCase name | Define route and price |
| UseCase ID | 1.5 |
| Priority | Medium |
| Primary business actor | n/a |
| Primary system actor | Teacher, student |
| External server actor | n/a |
| External receiver actor | n/a |
| Description | Profile information is showed |
| Trigger | Teacher, student |

Typical Course of Event: Show Profile

|  |  |
| --- | --- |
| Actor Action | System Response |
| Teacher, student invokes Show Profile | Shows the profile information of the respective profile |

Documentation: Show Profile

* Conclusion: concludes after showing teacher/student profile information of the respective profile
* Business rules:
  + Only the respective teacher/student can see information of his/her account

1.4 Update Profile: Use case narrative

|  |  |
| --- | --- |
| UseCase name | Define route and price |
| UseCase ID | 1.6 |
| Priority | Medium |
| Primary business actor | n/a |
| Primary system actor | Teacher, student |
| External server actor | n/a |
| External receiver actor | n/a |
| Description | Profile information is updated |
| Trigger | Teacher, student |

Typical Course of Event: Update Profile

|  |  |
| --- | --- |
| Actor Action | System Response |
| Teacher, student invokes Update Profile | Shows a list of items from the profile that can be updated/changed |
| Teacher, student selects and submits the information to be updated | 1. Information is updated in the main database 2. Show Profile is invoked |

Documentation: Update Profile

* Conclusion: concludes after Show Profile is invoked
* Business rules:
  + Only the respective teacher/student can update information of his/her account

# Course Content Management System

Use case Glossary:

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case id | Use Case Name | Actors | Participant actor and roles |
| 2.1 | Show Course pages | Student, Teacher | Actor wants to see the course contents |
| 2.2 | File Upload | Course Teacher, Class Representative, Admin | Course teacher/CR uploads course materials |
| 2.3 | File Download | Student, Teacher | Student downloads the uploaded course materials |
| 2.4 | Archiving | Admin, student, teacher | Admin archive the previous course contents and student and teacher can access them |

Use Case Diagram for Course Content Management System

* 1. Show Course Pages

Use Case Narrative:

|  |  |
| --- | --- |
| Use Case Name | Status and Route |
| Use Case Id | 2.1 |
| Priority | High |
| Initialization Actor | Teacher, Student |
| Receiver Actor | Student, Teacher |
| Trigger | login |

Typical Course of events

|  |  |
| --- | --- |
| Actor Action | System Response |
| Actors login into the system | System will identify the actor using login info and redirect him to his/her respective course pages |

Documentation:

Initiation: Process will start with the logging into the system

Pre Condition: Actor must be logged in with valid information

Implementation Issue: Proper GUI will be provided into the system for the actor to show the respective course pages.

2.2File Upload

Use Case Narrative:

|  |  |
| --- | --- |
| Use Case Name | Status and Route |
| Use Case Id | 2.2 |
| Priority | High |
| Initialization Actor | Teacher, Class Representative |
| Receiver Actor | Student |

Typical Course of events

|  |  |
| --- | --- |
| Actor Action | System Response |
| Teacher/CR uploads file | System will save the file in a specific location for the file and a notification will be initiated to the students who registered in the course |

Documentation:

Initiation: Process will start with the uploading of files by the teacher/CR

Pre Condition: Actor must be logged in with his/her account in the system

Post Condition: System must inform the students through notification

Implementation Issue: Proper GUI and slots will be provided to upload the files.

* 1. File Download

Use Case Narrative:

|  |  |
| --- | --- |
| Use Case Name | Status and Route |
| Use Case Id | 2.3 |
| Priority | High |
| Initialization Actor | Student |
| Receiver Actor | Student |
| Trigger | Notification System |

Typical Course of events:

|  |  |
| --- | --- |
| Actor Action | System Response |
| Student wants to download files | System will allow the download process to start for those files that the student has access. |

Documentation:

Initiation: Process will start with the download request from the student

Pre Condition: Actor must be logged in with his/her account in the system and must have access to the file

Implementation Issue: Proper GUI and a link will be provided in the webpage for the download process

* 1. Archive

Use Case Narrative:

|  |  |
| --- | --- |
| Use Case Name | Status and Route |
| Use Case Id | 2.4 |
| Priority | High |
| Initialization Actor | Admin |
| Receiver Actor | Student ,Teacher |
| Trigger | End of each term |

Typical Course of events:

|  |  |
| --- | --- |
| Actor Action | System Response |
| After each term finishes the Admin of the system puts all the files from the previous term in a archived folder | System will store the files in a specific folder naming it according to the term and batch |
| Students/Teachers want to download archived files | System will redirect to 1.3 for download process |

Documentation:

Initiation: Process will start with the end of each term

Post Condition: Both teachers and students will be given access to the respective archived files

Implementation Issue: Proper GUI and server space will be provided to store all the files

# Exam and Class Management Subsystem

Use case Glossary:

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case id | Use Case Name | Actors | Participant actor and roles |
| 3.1 | Cancel Exam/Class | Teachers , IRS, Notification Subsystem | Teacher decides to cancel exam or class , so routine is updated and notifies students |
| 3.2 | Schedule Class | Teachers, IRS | Teachers decides time for class from available time and IR is updated . |
| 3.3 | Schedule Exam | Teachers, Notification Subsystem, IRS | Teachers decides date for exam , notification goes to students and IR is updated . Can decide syllabus . |
| 3.4 | Giving Syllabus | Teachers, Notification Subsystem, IRS | Teachers decide syllabus , Students are notified of syllabus and IR updated . |
| 3.5 | Exam Mark upload | Teachers , Notification Subsystem | Teachers upload marks , Students will be notified that marks are uploaded |
| 3.6 | Give and submit offline | Teachers, Notification Subsystem , Students , Time | Teachers give offline and sets deadline time , system notifies student and. After deadline no offline is taken |

Use-case diagram for Exam and class management system:



teacher

* 1. Cancel Exam / Class

Use Case Narrative:

|  |  |
| --- | --- |
| Use Case Name | Status and Route |
| Use Case Id | 3.1 |
| Priority | Medium |
| Initialization Actor | Teacher |
| Receiver Actor | Notification Subsystem , IRS |

Typical Course of events:

|  |  |
| --- | --- |
| Actor Action | System Response |
| Teachers will cancel schedule of exam or class | When exam or class is cancelled , then students will be notified through notification system , and also their IRS will be updated |

Documentation:

Initiation: Process will start with cancelling date of exam or class by teacher

Pre Condition: Initiation must be done with an account with permission to cancel exam/class of that course , and it must exist class/exam in the system

Post Condition: System must inform the students through notification

Implementation Issue: Interacting with the notification subsystem and IRS .

* 1. Schedule Class

Use Case Narrative:

|  |  |
| --- | --- |
| Actor Action | System Response |
| Teachers will schedule a class when routine shows available time | When class is placed on a free time of routine , IRS will change . |

Documentation:

Initiation: Process will start with scheduling time of class by teacher

Pre Condition: Initiation must be done with an account with permission to schedule class of that course , and corresponding time is free in IR

Implementation Issue: Interacting with IRS .

* 1. Scheduling Exam

Use Case Narrative:

|  |  |
| --- | --- |
| Use Case Name | Status and Route |
| Use Case Id | 3.3 |
| Priority | High |
| Initialization Actor | Teacher |
| Receiver Actor | Notification Subsystem , IRS |

Typical Course of events:

|  |  |
| --- | --- |
| Actor Action | System Response |
| Teachers will schedule exam on valid time | Exam time will only be set on a free valid time . Upon setting exam schedule , it will use notification subsystem to notify all student corresponding to that subject and also add the event to his/her routine with IRS |
| While scheduling exam , it is possible to give syllabus immediately or postpone it for later update | Scheduling exam can use “giving syllabus” option of this subsystem to set syllabus immediately or postpone it |

Documentation:

Initiation: Process will start with setting date of exam by teacher

Pre Condition: Initiation must be done with an account with permission to schedule exam of that course and time of the exam must be free for those students

Post Condition: System must inform the students through notification

Implementation Issue: Interacting with the notification subsystem and IRS .

* 1. Giving Syllabus

Use Case Narrative:

|  |  |
| --- | --- |
| Use Case Name | Status and Route |
| Use Case Id | 3.4 |
| Priority | Medium |
| Initialization Actor | Teachers |
| Receiver Actor | Notification Subsystem ,IRS |

Typical Course of events:

|  |  |
| --- | --- |
| Actor Action | System Response |
| Teacher can set syllabus of his upcoming exam | Saves the document and then update the corresponding exam syllabus in IRS and if exam syllabus is given then notifies student |
| Teacher can update syllabus the of exam | When updated notifies student |

Documentation:

Initiation: Process will start when teacher decides exam date or when teacher gives syllabus of exam

Pre Condition: Teacher has given date of that exam and that date hasn’t passed

Implementation Issue: Interacting with the notification subsystem and notify all student of that course.

* 1. Exam Marks Upload

Use Case Narrative:

|  |  |
| --- | --- |
| Use Case Name | Status and Route |
| Use Case Id | 3.5 |
| Priority | High |
| Initialization Actor | Teachers |
| Receiver Actor | Notification Subsystem |

Typical Course of events:

|  |  |
| --- | --- |
| Actor Action | System Response |
| Teacher upload mark sheet of a exam | Save the document uploaded by the teacher , then notify the students corresponding to that course with notification and address of the uploaded file |

Documentation:

Initiation: Process will start when teacher uploads the result sheet.

Pre Condition: Only teacher of that course can upload result sheet.

Post Condition: System must inform the students through notification that marks are uploaded.

Implementation Issue: Interacting with the notification subsystem and notify all student of that course.

* 1. Give and submit offline

Use Case Narrative:

|  |  |
| --- | --- |
| Use Case Name | Status and Route |
| Use Case Id | 3.6 |
| Priority | High |
| Initialization Actor | Teacher , Time |
| Receiver Actor | Notification Subsystem |

Typical Course of events:

|  |  |
| --- | --- |
| Actor Action | System Response |
| Teacher gives offline for specific students with deadline date | Saves what offline has been given and notifies student of the corresponding catagory with what is given as offline and also its deadline . |
| Students submit offline | Saves the offline corresponding to that student id and document it |
| When deadline is over , no submission is further taken and notifies the teacher who gave the offline | When deadline is over , then IRS signals the offline given and stops further submissions . Sends notification to the teacher |

Documentation:

Initiation: Process will start when teacher gives offline to a group of students.

Pre Condition: Only teacher of a course can give offline and set deadline of that offline after system time

Post Condition: after deadline teacher is notified.

Implementation Issue: System must inform the students through notification that offline is given . Also receive confirmation of deadline time and notifies corresponding teacher

# Notification system

Actors:

* Teacher
* Student
* <<System>>Exam Management System
* <<System>> Course Content Management System

Notification system: Use case glossary

|  |  |  |  |
| --- | --- | --- | --- |
| ID | UseCase name | Description | Participant actors and roles |
| 4.1 | Generate Notification | Generate appropriate notification on initialization. | Exam Management System and Course Content Management System request to make notifications. |
| 4.2 | Generate Warning | Generate warnings. | Teacher gives warning to the student. |
| 4.3 | Get Detail of New Uploads | Deliver new upload details to Generate Notification. | Course Content Management System provides necessary information about new uploaded files. |
| 4.4 | Get Update of Exam Schedule and Mark | Deliver new exam schedule or marks to Generate Notification. | Exam Management System provides necessary information about new exam schedule or marks. |
| 4.5 | Update Notice Board | Gives new notice to notice board. | Teacher gives notice. |
| 4.6 | Send Notification and Warnings | Sends notifications and warnings. | Student gets notification about new uploaded file, exam schedule and marks. Also gets warning if given. |
| 4.7 | View Notice Board | Shows notices. | Teacher and Student view notices. |

UseCase diagram for Notification system

Use case narrative: Generate Notification

|  |  |
| --- | --- |
| UseCase name | Generate Notification |
| UseCase ID | 4.1 |
| Priority | High |
| Primary business actor |  |
| Primary system actor | Exam Management System and Course Content Management System |
| External server actor | Get Detail of New Uploads,  Get Update of Exam Schedule and Mark |
| External receiver actor | View Notification and Warnings |
| Description | Generate appropriate notification. |
| Trigger | Exam Management System, Course Content Management System |

Typical Course of Event: Generate Notification

|  |  |
| --- | --- |
| Actor Action | System Response |
| Course Content Management System invokes to generate notification. | 1. Gets information of new uploaded file. 2. Finds out to whom the notification to be send by pursing uploaded file information. 3. Makes a text notification including new file information and download link. 4. Send notification using Send Notification use case to be viewed by appropriate receiver. |
| Exam Management System invokes to generate notification. | 1. Gets information of new scheduled exam or marks. 2. Finds out to whom the notification to be send by pursing exam information. 3. Makes a text notification including exam detail link and marks download link. 4. Send notification using Send Notification use case to be viewed by appropriate receiver. |

Documentation: Generate Notification

* Conclusion: Concludes after sending the notification.
* Business Rules:
  + Notification is only send to appropriate receiver

Use case narrative: Generate Warning

|  |  |
| --- | --- |
| UseCase name | Generate Warning |
| UseCase ID | 4.2 |
| Priority | High |
| Primary business actor |  |
| Primary system actor | Exam management system |
| External server actor | Exam management system |
| External receiver actor | Student |
| Description | Generate warning. |
| Trigger | Exam management system |

Typical Course of Event: Generate Warning

|  |  |
| --- | --- |
| Actor Action | System Response |
| Exam management system initializes to generate notification, | 1. System gets update of the exam marks. 2. System checks the marks and generate warning for appropriate student who’s marks are low according to business rule. 3. Send notification using Send Notification use case to be viewed by appropriate receiver. |

Documentation: Generate Warning

* Conclusion: Concludes after sending the warning.
* Business Rules:
  + If any one gets below 40% warning will be generated.
  + Warning is only visible to appropriate students.

Use case narrative: Get Detail of New Uploads

|  |  |
| --- | --- |
| UseCase name | Get Details of New Uploads |
| UseCase ID | 4.3 |
| Priority | High |
| Primary business actor |  |
| Primary system actor |  |
| External server actor | Course Content Management System |
| External receiver actor | Generate Notification |
| Description | Get new upload details from Course Content Management System and sent it to generate notifications. |
| Trigger | Generate Notifications |

Typical Course of Event: Get Detail of New Uploads

|  |  |
| --- | --- |
| Actor Action | System Response |
| Generate Notifications extends it to get information of new uploaded file. | Gives Generate Notification the  uploaded file’s information. |

Documentation:  
Get Detail of New Uploads

* Conclusion: Concludes after giving the uploaded file’s information it Generate Notifications.

Use case narrative: Get Update of Exam Schedule and Mark

|  |  |
| --- | --- |
| UseCase name | Get Update of Exam Schedule and Mark |
| UseCase ID | 4.4 |
| Priority | High |
| Primary business actor |  |
| Primary system actor |  |
| External server actor | Exam Management System |
| External receiver actor | Generate Notification |
| Description | Get new scheduled exam details or marks from Exam Management System and sent it to generate notifications and warning. |
| Trigger | Generate Notifications, Generate warning |

Typical Course of Event: Get Update of Exam Schedule and Mark

|  |  |
| --- | --- |
| Actor Action | System Response |
| Generate Notifications extends it to get information of new scheduled exam or given marks. | Gives the exam details and marks  download link to Generate Notification  and Generate warning. |

Documentation:  
Get Update of Exam Schedule and Mark

* Conclusion: Concludes after giving exam details and marks download link to Generate Notifications and Generate Warnings.

Use case narrative: Update Notice Board

|  |  |
| --- | --- |
| UseCase name | Update Notice Board |
| UseCase ID | 4.5 |
| Priority | High |
| Primary business actor | Teacher |
| Primary system actor |  |
| External server actor |  |
| External receiver actor | View Notice Board |
| Description | Creates new notices. |
| Trigger | Teacher |

Typical Course of Event: Update Notice Board

|  |  |
| --- | --- |
| Actor Action | System Response |
| Teacher requests to update notice board. | Request the teacher to select a notice  category. |
| Teacher selects a notice category. | Gives the teacher a form to write notice. |
| Teacher writes the notice. | Updates the notice board with that  notice. |

Documentation:   
Update Notice Board

* Conclusion: Concludes after updating the notice board with the notice given.
* Post condition: Informs the teacher about the notice update was successful or not.

Use case narrative: Send Notification and Warnings

|  |  |
| --- | --- |
| UseCase name | View Notification and Warnings |
| UseCase ID | 4.6 |
| Priority | High |
| Primary business actor | Student |
| Primary system actor |  |
| External server actor | Generate Notification, Generate Warning |
| External receiver actor |  |
| Description | Shows notifications and warnings. |
| Trigger | Student |

Typical Course of Event: Send Notification and Warnings

|  |  |
| --- | --- |
| Actor Action | System Response |
| Generate Notification and Generate Warning uses it to send notification. | 1. System checks notification detail. 2. Finds appropriate students and sends the notification to their account. |
| Student views the new notifications. | Set the notification as viewed. |

Documentation:   
 Send Notification and Warnings

* Conclusion: Concludes after sending the notification.
* Post condition: Set notification as viewed.

Use case narrative: View Notice Board

|  |  |
| --- | --- |
| UseCase name | View Notice Board |
| UseCase ID | 4.7 |
| Priority | High |
| Primary business actor | Student, Teacher |
| Primary system actor |  |
| External server actor | Generate Notice |
| External receiver actor |  |
| Description | Shows new and old notices. |
| Trigger | Student, Teacher |

Typical Course of Event: Update Notice Board

|  |  |
| --- | --- |
| Actor Action | System Response |
| Student or teacher requests to view notice board. | 1. System checks student’s or teacher’s login information. 2. Finds appropriate notice from notice board relevant to the teacher or student. 3. Categorizes new and old notice. 4. Show notice. |
| Student or teacher views the new notice. | Set the notice as viewed for him/her. |

Documentation:   
Update Notice Board

* Conclusion: Concludes after setting the notice as viewed by teacher or student.

# Interactive routine system

Use-case glossary

|  |  |  |
| --- | --- | --- |
| UseCase name | Description | Participant actors and roles |
| Update exam and class information | Update the routine information about exam and classes. | Exam and class management system |
| Update routine | Changes the interactive routine accordingly | n/a |
| Add note | Add sticky note about a specific class | CR |
| View routine |  | Teacher, student |

Use case diagram: interactive routine system



* 1. Update exam & class information: Use case narrative

|  |  |
| --- | --- |
| UseCase name | Define route and price |
| UseCase ID | 5.1 |
| Priority | high |
| Primary business actor | n/a |
| Primary system actor | Exam and class management system |
| External server actor | n/a |
| External receiver actor | n/a |

Typical Course of Event: Update exam and class information

|  |  |
| --- | --- |
| Actor Action | System Response |
| 1.Exam and class management system invokes to update information. | 1. Gets information of new updates and saves in system database. |

Documentation: update exam and class information

* Initiation : the process start after the exam and class management system updates any exam or class information.
* Conclusion : concludes after saving each update for further use to update routine.
  1. Update routine: Use case narrative

|  |  |
| --- | --- |
| UseCase name | Define route and price |
| UseCase ID | 5.2 |
| Priority | high |
| Primary business actor | n/a |
| Primary system actor | Exam and class management system,CR |
| External server actor | n/a |
| External receiver actor | n/a |

Typical Course of Event: Update routine

|  |  |
| --- | --- |
| Actor Action | System Response |
| 1.Exam and class management system or CR provide new update. | 1. System first finds out which routines contain the course. 2. System accordingly changes the routines . |

Documentation: update routine

* Initiation: the process starts after the subsystem fetches information about exam or class schedule update or any sticky note addition for a specific class.
* Implementation Issue : the system will intelligently change only the routines which includes the corresponding course.
  1. Add note: Use case narrative

|  |  |
| --- | --- |
| UseCase name | Define route and price |
| UseCase ID | 5.3 |
| Priority | medium |
| Primary business actor | n/a |
| Primary system actor | CR |
| External server actor | n/a |
| External receiver actor | n/a |

Typical Course of Event: Add note Typical Course of Event: Add note

|  |  |
| --- | --- |
| Actor Action | System Response |
| 1.CR add a note correspoding to a class. | 1. System only add information as a sticky note on the specified class. |

Documentation: Add note

* Precondition : the one adding must be CR.
* Implementation issue : only the routines that include the specified class on which the sticky note is added will get changed.
  1. View routine: Use case narrative

|  |  |
| --- | --- |
| UseCase name | Define route and price |
| UseCase ID | 5.4 |
| Priority | high |
| Primary business actor | Teahcer,student |
| Primary system actor | n/a |
| External server actor | n/a |
| External receiver actor | n/a |

Typical Course of Event: view routine

|  |  |
| --- | --- |
| Actor Action | System Response |
| 1.Teacher or student invoke to view their corresponding class routine. | 1. System first find out which courses the invoker has taken in that semester. 2. Fetches necessary information saved in the system to generate the interactive routine. 3. Show the routine. |

Documentation: view routine

* Implementation issue: the system shows different routine for students of different class and department and different routine for different teacher.