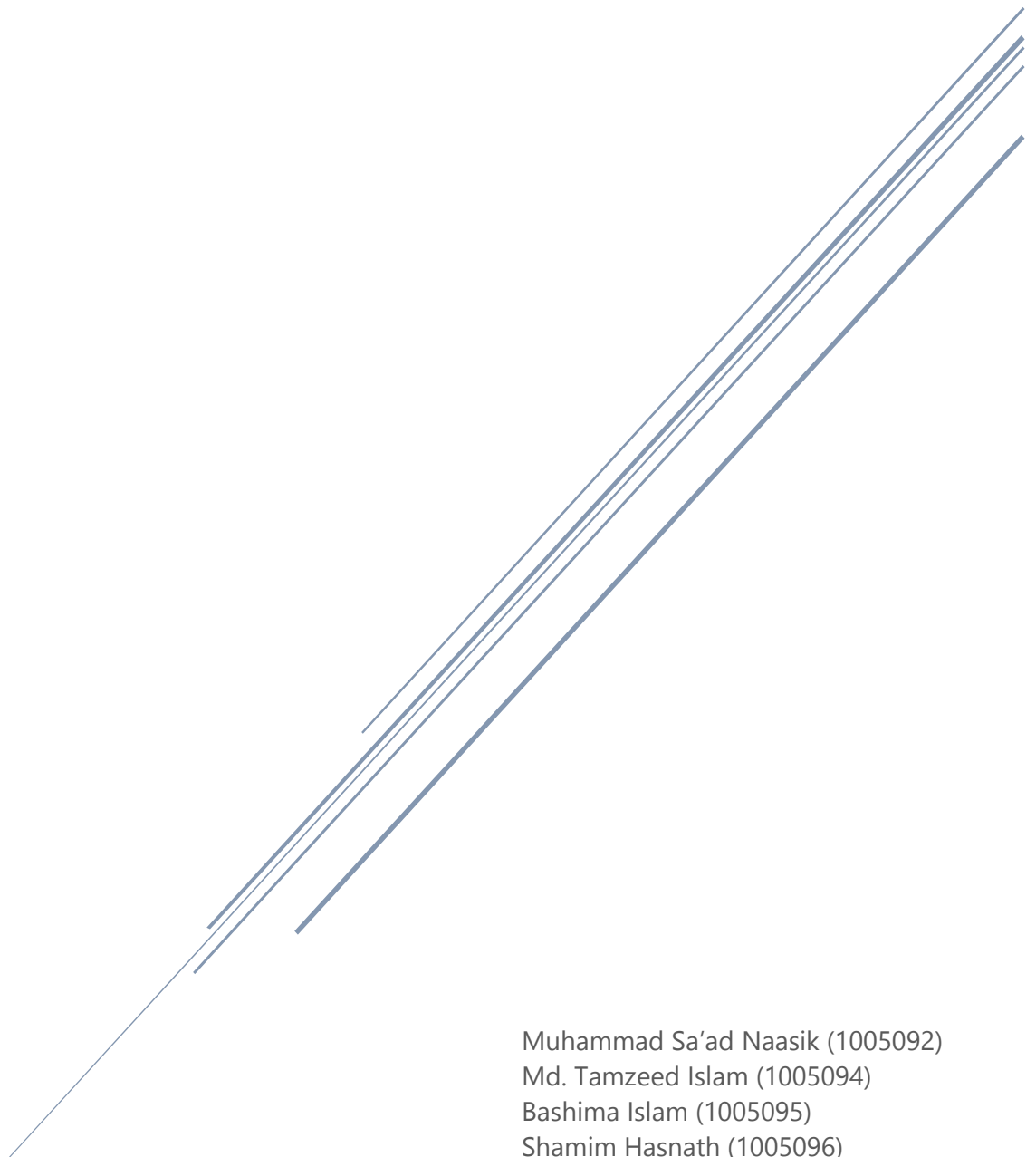


# E-SCHOOL

## A School Management System



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## Actors

This system has 6 actors. They are-

1. Student
2. Course Teacher
3. Class Teacher
4. Parent
5. Headmaster
6. System Administrator

## Actor's Glossary

The actor's glossary shows the short codes and activity scopes of every actor.

Table 1: Actor's Glossary

Actor	Short Key	Activity Scope
Student	ST	Viewing notice, routine, syllabus, result, fees status of thyself.
Course Teacher	CT	Adding class test schedule, syllabus & mark, giving feedback, inserting exam mark, view duty roster,
Class Teacher	CLT	Adding details of students, making result, giving feedback, adding attendance of students, issuing admit card.
Parents	PT	Viewing notice, routine, syllabus and result, fees status of their children, viewing notice and getting in contact with teacher.
Headmaster	HM	Approving result, appointing system admin, tracking fees status
System Admin	SA	Adding & deleting user, updating user role & details, assigning course teacher and class teacher, preparing and sending class & exam routine, preparing duty roster, inserting notice, updating vacation list, prepare and send routine.

## Relation between Actors

The relation between the actors are stated below.

- The actor **Class Teacher** inherits actor **Course Teacher**. Because all **Class Teacher** are **Course Teacher** but all **Course Teacher** are not **Class Teacher**.
- The actor **System Admin** is inherited by the actor **Headmaster**.
- The actor **System Admin** inherits the actor **Course Teacher** because a **Course Teacher** can work as a **System Admin** if the **Headmaster** makes him **System Admin**.
- Each **Parent** is connected to at least one **Student**.

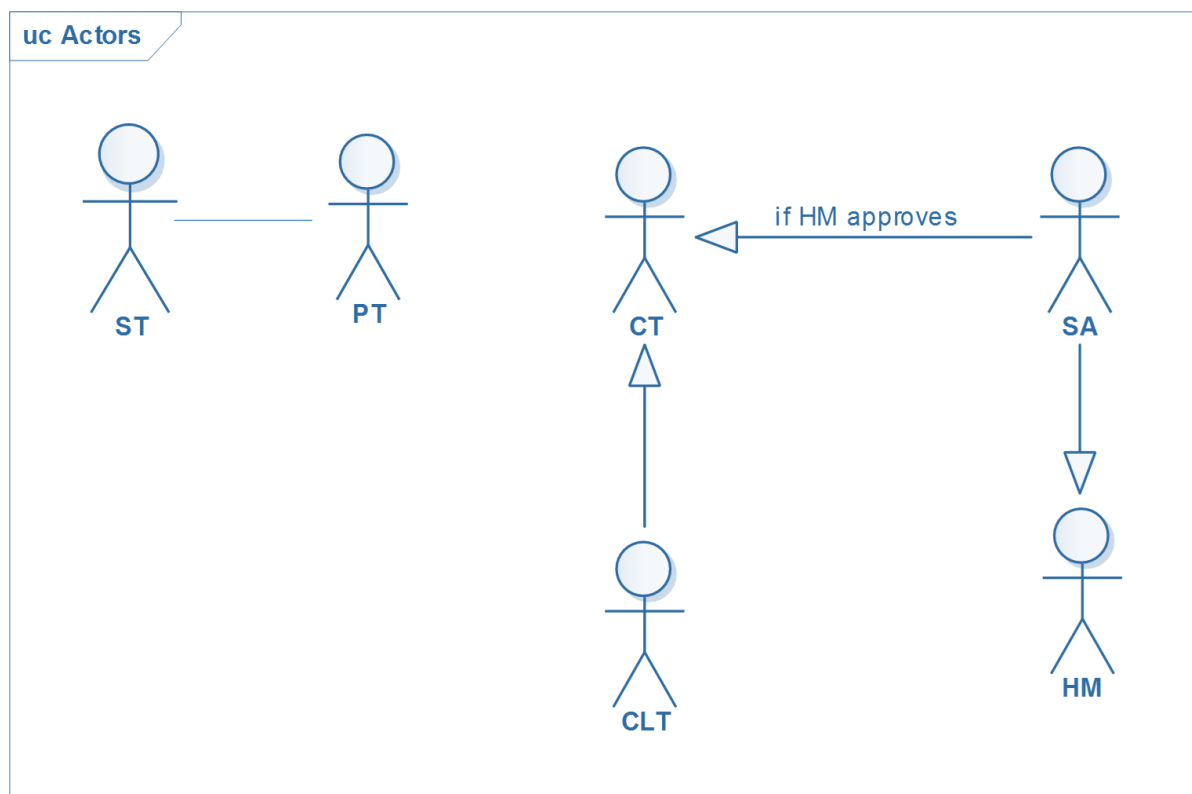


Figure 1: Actors Relation

## Subsystems

This system has 6 subsystems. They are-

1. User Profile Subsystem
2. Student Profile Subsystem
3. Course Work Subsystem
4. Examination Subsystem
5. Result Subsystem
6. Notice Subsystem

### User Profile Subsystem

#### Use Case Glossary:

Table 2: Use Case Glossary of User Profile Subsystem

Use Case ID	Use Case Name	Actor
1.1	Add User with Role	SA, HM
1.2	Add User Details	CLT, SA
1.3	View User Details	ST, PT, CT, SA, CLT, HM
1.4	Login	ST, PT, CT, SA, CLT, HM
1.5	Update Details	CLT, CT, SA, HM
1.6	Delete User	SA
1.7	Updating user role	SA, HM

## Use Case Diagram:

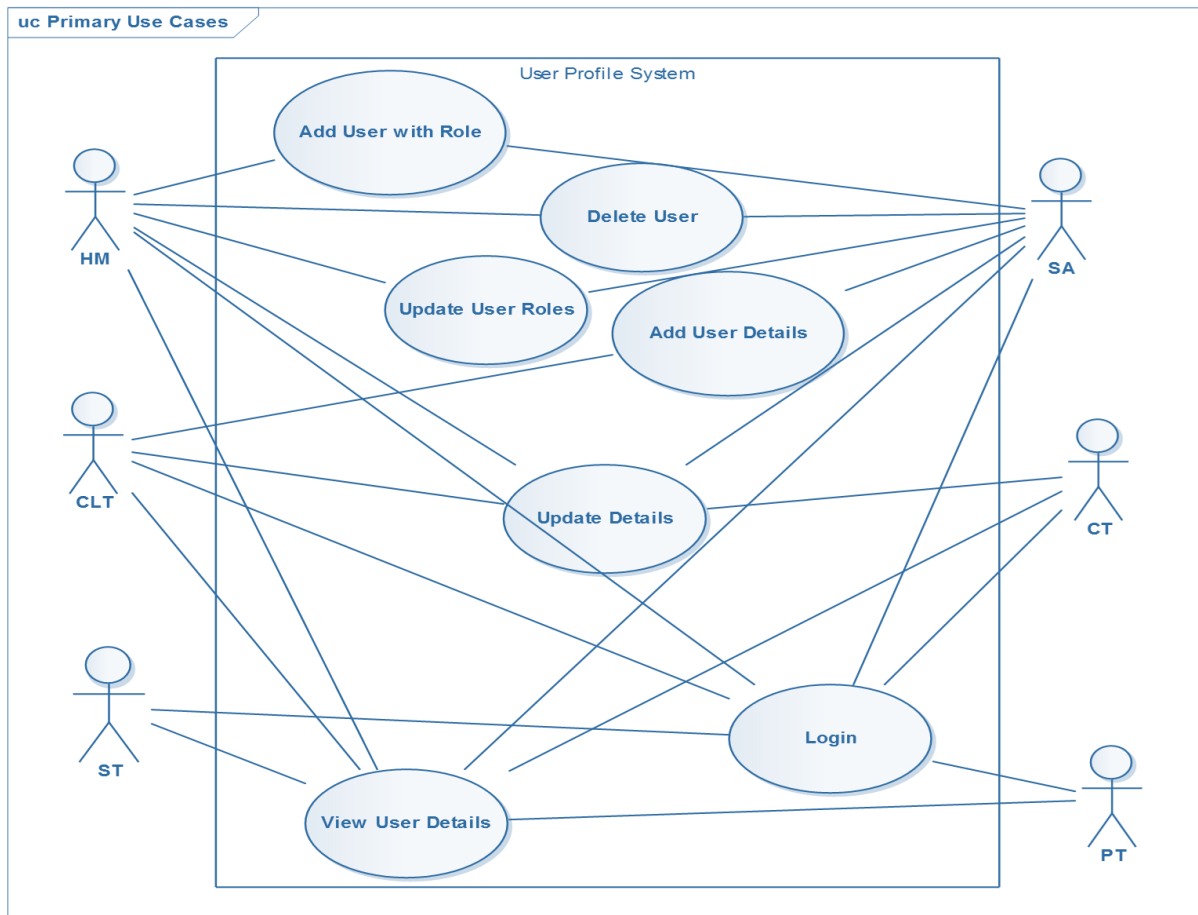


Figure 2: Use Case Diagram of User Profile Subsystem

## Use Case Narrative:

### 1.1 Add User with Role

*High Level Table Version:*

Table 3: Use Case Narrative: Add User with Role

Use Case Name	Add User with Role
Use Case ID	1.1
Priority	High
Primary Actor	System Administrator, Headmaster
Secondary Actor	None
Description	Adding new users in the system and appointing roles
Trigger	By System Administrator or Headmaster

*Typical Course of Event:*

- Headmaster add user and appoint roles to them.
- Headmaster is by default a System Administrator and he can appoint Course Teachers as system admin
- System Administrator add Students, Parents and other Course Teachers to the system.
- System Administrator can appoint a Course Teacher as Class Teacher.

*Conclusion:*

- Every user gets a username and password which can be used to login to his profile according to roles.

*Post Condition:*

- User got an account and access to the services according to roles.

## 1.2 Add User Details

*High Level Table Version:*

Table 4: Use Case Narrative: Add User Details

Use Case Name	Add User Details
<b>Use Case ID</b>	1.2
<b>Priority</b>	High
<b>Primary Actor</b>	System Administrator, Class Teacher
<b>Secondary Actor</b>	None
<b>Description</b>	Adding details of Course Teacher, Class Teacher, Student
<b>Trigger</b>	User added by System Administrator or Headmaster

*Typical Course of Event:*

- System Admin adds details of thyself (Headmaster and other Course Teacher appointed as System Admin)
- Class Teacher adds details of the Students of his or her class

*Conclusion:*

- All profiles become updated with details

*Post Condition:*

- Details of all user is being updated and can be seen by others according to permissions.



## 1.3 View User Details

*High Level Table Version:*

Table 5: Use Case Narrative: View User Details

Use Case Name	View User Details
<b>Use Case ID</b>	1.3
<b>Priority</b>	High
<b>Primary Actor</b>	System Administrator, Class Teacher, Course Teacher, Headmaster, Student, Parent
<b>Secondary Actor</b>	None
<b>Description</b>	View details of Course Teacher, Headmaster, Student
<b>Trigger</b>	Details added by Class Teacher, System Administrator

*Typical Course of Event:*

- Parents can see details of the Student they are connected with.
- Students can see their own profile.
- Headmaster, Course Teacher & Class Teacher can see Student profile
- Course Teacher can see his or her profile and Parents & Students can see some specific details of Course Teacher's profile.
- Headmaster can see full details of everyone's profile
- Nobody except Headmaster can see his profile.

*Conclusion:*

- All actors get to see the details of themselves and others according to permission.

*Post Condition:*

- Details of users can be seen according to role of actor.

## 1.4 Login:

*High Level Table Version:*

Table 6: Use Case Narrative: Login

Use Case Name	Login
Use Case ID	1.4
Priority	High
Primary Actor	System Administrator, Class Teacher, Course Teacher, Headmaster, Student, Parent
Secondary Actor	None
Description	Login to view profile and get services provided by the system
Trigger	Receiving username, password after user account is being created by System Administrator and Headmaster

*Typical Course of Event:*

- Login with username and password to receive the services provided by the system.

*Conclusion:*

- All actors get to login to their profile to receive provided services.

*Post Condition:*

- All actors can see what services they are being provided and receive those services.

## 1.5 Update Details

*High Level Table Version:*

Table 7: Use Case Narrative: Update Details

Use Case Name	Update Details
<b>Use Case ID</b>	1.5
<b>Priority</b>	Medium
<b>Primary Actor</b>	System Administrator, Class Teacher, Course Teacher, Headmaster
<b>Secondary Actor</b>	None
<b>Description</b>	Update of Course Teacher, Headmaster, Student
<b>Trigger</b>	By Class Teacher, System Administrator, Headmaster, System Administrator

*Typical Course of Event:*

- Headmaster can update his own details along with details of others
- Course Teacher can update own details
- System Admin can update everybody's details except Headmaster
- Class Teacher can update details of the Students of his/ her class.

*Conclusion:*

- Details of users are being updated according to need.

*Post Condition:*

- Details of users are made up to date.

## 1.6 Delete User

*High Level Table Version:*

Table 8: Use Case Narrative: Delete User

Use Case Name	Delete User
Use Case ID	1.6
Priority	Low
Primary Actor	System Administrator
Secondary Actor	None
Description	User are deleted when they are no longer related to this institution
Trigger	User is no longer related to this institution

*Typical Course of Event:*

- System Administrator deletes a user when they are no longer related to the institution. Such as- Course Teacher retiring or Resigning, Students getting TC or passed the School.
- When a user is being deleted it deletes the account but preserves all the data for documentation and record.

*Conclusion:*

- Accounts of users having no link to the institution are being deleted.

*Post Condition:*

- Only account whose users are related to the institution is in the system.

## 1.7 Updating User Role

*High Level Table Version:*

Table 9: Use Case Narrative: Update User Role

Use Case Name	Update User Role
<b>Use Case ID</b>	1.7
<b>Priority</b>	Medium
<b>Primary Actor</b>	System Administrator, Headmaster
<b>Secondary Actor</b>	None
<b>Description</b>	Updating user role.
<b>Trigger</b>	none

*Typical Course of Event:*

- System Administrator can appoint a Course Teacher as a Class Teacher and can also remove the role.
- Headmaster can appoint a Course Teacher as System Administrator and also remove the role.

*Conclusion:*

- System Administrator and Class Teacher are being appointed.

*Post Condition:*

- Some Course Teacher are being appointed as System Administrator and Class Teacher.

## Student Profile Subsystem

### Use Case Glossary:

Table 10: Use Case Glossary of Student Profile Subsystem

Use Case ID	Use Case Name	Actor
2.1	Update Fee Status	CLT
2.2	View Fee Status	ST, PT, HM
2.3	Update Behaviour, Class Performance & Feedback	CLT, CT
2.4	View Behaviour, Class Performance & Feedback	ST, PT
2.5	Add Co- Curricular Activities	CLT
2.6	View Co- Curricular Activities	ST, PT
2.7	Add Attendance	CLT
2.8	View Attendance	S, PT

## Use Case Diagram:

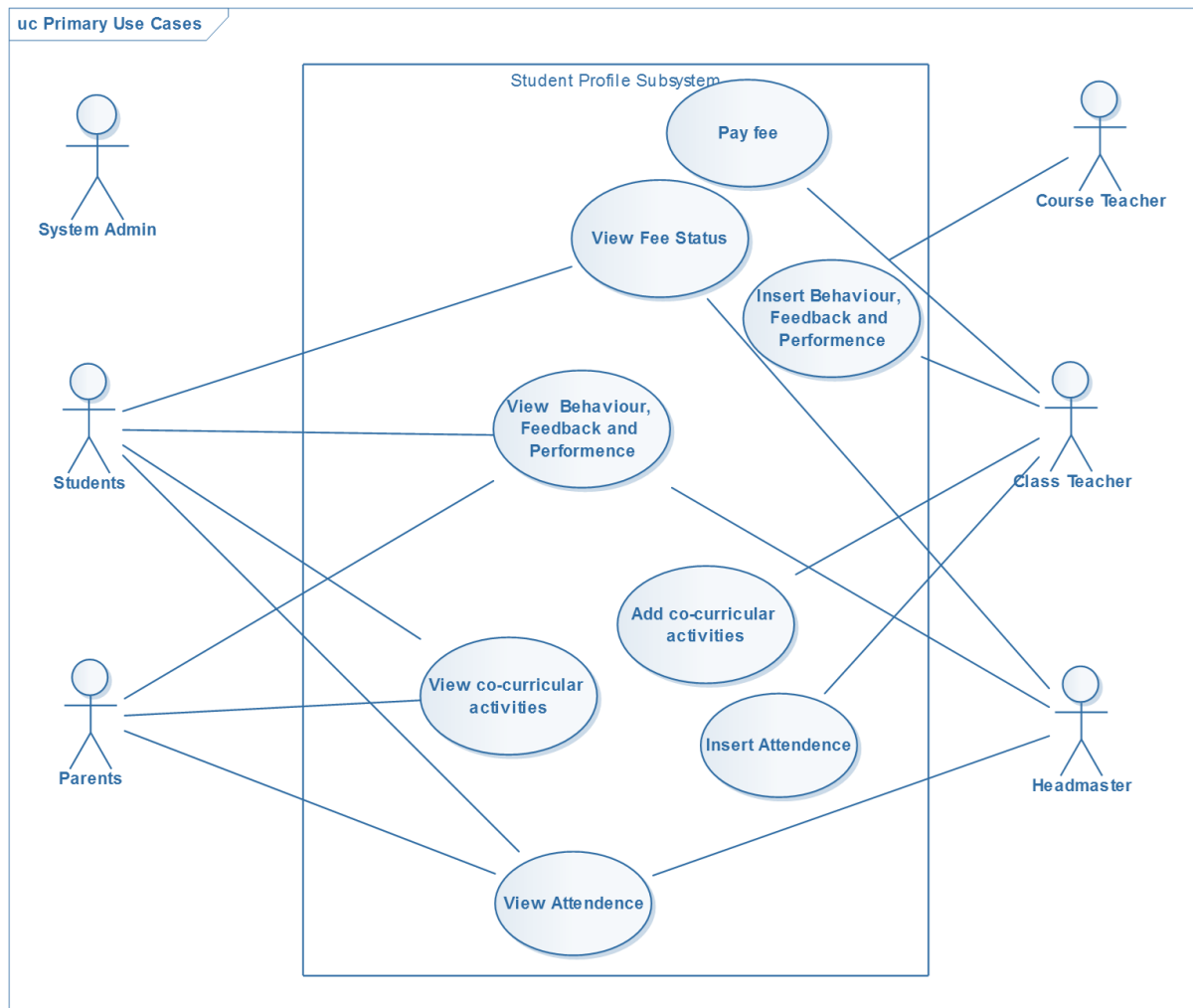


Figure 3: Use Case Diagram of Student Profile Subsystem

## Use Case Narrative:

### 2.1 Pay Fees

#### High Level Table Version:

Table 11: Use Case Narrative: Pay Fees

Use Case Name	Pay fees
Use Case ID	2.1
Priority	High
Primary Actor	Class Teacher
Secondary Actor	None
Description	Inserting monthly fees, dues
Trigger	None

#### Typical Course of Event:

- Class teachers insert Pay fees of every students
- Dues are also inserted by class teacher

#### Conclusion:

- The status of fees is updated.

#### Post Condition:

- No post condition here.



## 2.2 View Fee Status

*High Level Table Version:*

Table 12: Use Case Narrative: View Fee Status

Use Case Name	View fee status
<b>Use Case ID</b>	2.2
<b>Priority</b>	High
<b>Primary Actor</b>	Students, Parents
<b>Secondary Actor</b>	Headmaster
<b>Description</b>	Parents can see the dues, fees
<b>Trigger</b>	None

*Typical Course of Event:*

- Students can see their tuition fees in this section.
- Parents can also see their corresponding student's fees and dues.

*Conclusion:*

- Student and Parent is acknowledged about respective fees status.

*Post Condition:*

- No post condition here.

## 2.3 Insert Behaviour, Feedback, Class performance

*High Level Table Version:*

Table 13: Use Case Narrative: Insert Behaviours, Feedback and Class Performance

Use Case Name	Insert behaviour, feedback, class performance
<b>Use Case ID</b>	2.3
<b>Priority</b>	High
<b>Primary Actor</b>	Class teacher, Course teacher
<b>Secondary Actor</b>	None
<b>Description</b>	Students class activities will be noted here
<b>Trigger</b>	None

*Typical Course of Event:*

- Students' response will be enlisted here.
- Class behaviour, performance will be noted.

*Conclusion:*

- Student's Profile is updated with Behaviour, Class Performance and Feedback.

*Post Condition:*

- Behaviour, Class Performance is ready to be seen by Parents

## 2.4 View behaviour, feedback, class performance

*High Level Table Version:*

Table 14: Use Case Narrative: **View behaviour, feedback, class performance**

Use Case Name	View behaviour, feedback, class performance
Use Case ID	2.4
Priority	High
Primary Actor	Students, Parents
Secondary Actor	Headmaster
Description	Guardians can get their students news and activities easily
Trigger	None

*Typical Course of Event:*

- Parents can easily access their students activities
- They can also get updated news.

*Conclusion:*

- Parents are notified about the performance of their children.

*Post Condition:*

- No post condition here.

## 2.5 Add Co-Curricular Activities

*High Level Table Version:*

Table 15: Use Case Narrative: Add Co-Curricular Activities

Use Case Name	Add User with Role
<b>Use Case ID</b>	2.5
<b>Priority</b>	High
<b>Primary Actor</b>	Class Teacher
<b>Secondary Actor</b>	None
<b>Description</b>	Adding the Co-Curricular activities record list of the student
<b>Trigger</b>	By Class Teacher

*Typical Course of Event:*

- Class Teacher adds the Co-Curricular activities record of the student concerned
  - All the record of Co-Curricular activities will be updated in the student's profile by the Class Teacher.

*Conclusion:*

- The Student's Co-Curricular activities gets updated in the student's profile.

*Post Condition:*

- The Student's Co-Curricular activities can now be viewed by the student and the parent from their respective profiles.

## 2.6 View Co-Curricular Activities

### High Level Table Version:

Table 16: Use Case Narrative: View Co-Curricular Activities

Use Case Name	Insert Students Activities
<b>Use Case ID</b>	2.6
<b>Priority</b>	High
<b>Primary Actor</b>	Student, Parent
<b>Secondary Actor</b>	None
<b>Description</b>	Viewing Co-Curricular activities of the student
<b>Trigger</b>	Added by Class Teacher

### Typical Course of Event:

- Students can view their Co-Curricular activities record from their own respective profile which was added by the Class Teacher.
- Parents can also view their children's co-curricular activities record from their own respective profile.

### Conclusion:

- All record of Co-Curricular activities of student is now ready to be viewed by the students and their parents.

### Post Condition:

- The Parents can know about their children's co-curricular activities achievements by viewing the Co-curricular activities record.

## 2.7 Add Attendance

### *High Level Table Version:*

Table 17: Use Case Narrative: Add Attendance

Use Case Name	Insert Students Activities
<b>Use Case ID</b>	2.7
<b>Priority</b>	High
<b>Primary Actor</b>	Class Teacher
<b>Secondary Actor</b>	None
<b>Description</b>	Inserting the attendance of students
<b>Trigger</b>	Added by Class Teacher

### *Typical Course of Event:*

- The Class Teacher has the record of the student's attendance and so enters it into the student's profile.
- If any mistake is made during entry it can be corrected only by the Class Teacher and The Headmaster as the Headmaster has access to everything.
- After being inserted, the attendance record gets saved in the Students profile and becomes ready to view.

### *Conclusion:*

- The Attendance of the students gets inserted in the students profile after having added by the Class Teacher.

### *Post Condition:*

- After the attendance of the Students is added in the student's profile it is now ready for the Students, parents and Headmaster to view.

## 2.8 View Attendance

*High Level Table Version:*

Table 18: Use Case Narrative: View Attendance

Use Case Name	View Attendance
Use Case ID	2.8
Priority	High
Primary Actor	Students, Parents
Secondary Actor	Headmaster
Description	Make the guardians informed about students presence
Trigger	None

*Typical Course of Event:*

- The Parents can monitor the attendance of their children.

*Conclusion:*

- The attendance status is known by the Parents

*Post Condition:*

- No post condition here.

## Course Work Subsystem

### Use Case Glossary:

Table 19: Use Case Glossary of Course Work Subsystem

Use Case ID	Use Case Name	Actor
3.1	Assign Course Teacher	SA
3.2	Prepare Routine	SA
3.3	Send Routine	SA
3.4	View Routine	ST, PT, CT, SA
3.5	Add Class Test Schedule & Syllabus	CT
3.6	Update Class Test Mark	CT
3.7	View Class Test Mark	ST, PT
3.8	Post Notice	CT
3.9	View Notice	ST, PT



## Use Case Diagram:

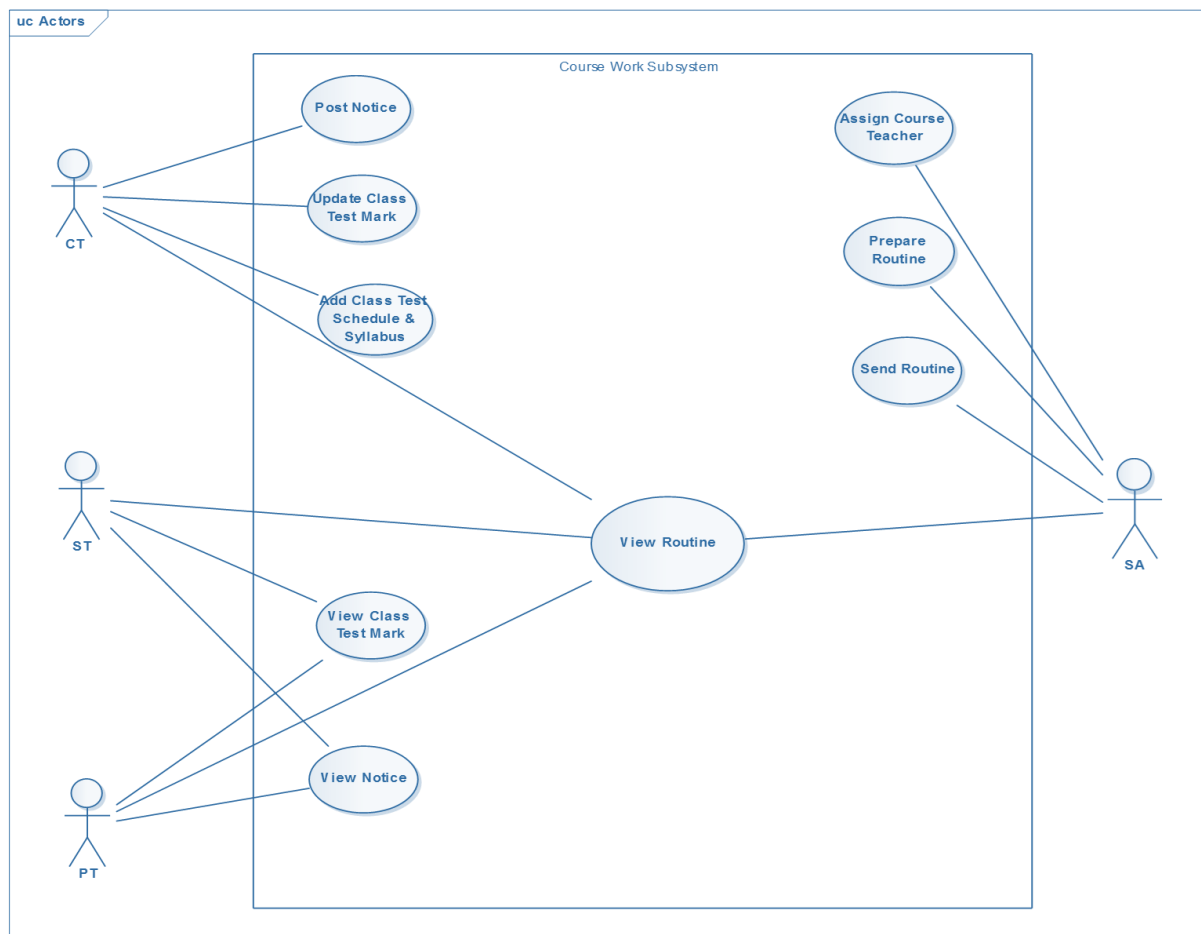


Figure 4: Use Case Diagram of Course Work Subsystem

## Use Case Narrative:

### 3.1 Assign Course Teacher

*High Level Table Version:*

Table 20: Use Case Narrative: Assign Course Teacher

Use Case Name	Assign Course Teacher
Use Case ID	3.1
Priority	High
Primary Actor	System Administrator
Secondary Actor	None
Description	Assigning courses to Course Teacher
Trigger	By System Administrator

*Typical Course of Event:*

- System Administrator will assign courses to Course Teachers

*Conclusion:*

- Every Course Teacher will know which course they are teaching and to which class.

*Post Condition:*

- Course Teacher will get access to the details of the Students whom he/ she will teaches and will get a specific page where he/ she can use the services provided to a course teacher to manage a course by the system.

## 3.2 Prepare Routine

*High Level Table Version:*

Table 21: Use Case Narrative: Prepare Routine

Use Case Name	Prepare Routine
<b>Use Case ID</b>	3.2
<b>Priority</b>	High
<b>Primary Actor</b>	System Administrator
<b>Secondary Actor</b>	None
<b>Description</b>	Creates Class Routine for all classes based on the input of classes, courses.
<b>Trigger</b>	Assigning Course Teacher

*Typical Course of Event:*

- System administers the number of classes, courses for each classes and other details.
- According to the inserted details and list of assigned Course Teachers system generates the class routine for Students and Course Teacher.

*Conclusion:*

- Class Routine for Students and Course Teachers are being made.

*Post Condition:*

- Class Routine for Students and Course Teachers are ready to be send.

### 3.3 Send Routine

*High Level Table Version:*

Table 22: Use Case Narrative: Send Routine

Use Case Name	Send Routine
<b>Use Case ID</b>	3.3
<b>Priority</b>	Medium
<b>Primary Actor</b>	System Administrator
<b>Secondary Actor</b>	None
<b>Description</b>	Prepared Routines are being published
<b>Trigger</b>	Class Routines are prepared.

*Typical Course of Event:*

- The System Administrator will publish the Class Routine in the system.

*Conclusion:*

- The Class Routines are published in the system.

*Post Condition:*

- Class Routines are published in the system to be seen by the users.

### 3.4 View Routine:

*High Level Table Version:*

Table 23: Use Case Narrative: View Routine

Use Case Name	View Routine
<b>Use Case ID</b>	3.4
<b>Priority</b>	High
<b>Primary Actor</b>	System Administrator, Course Teacher, Student, Parent
<b>Secondary Actor</b>	None
<b>Description</b>	See the routine from user profile
<b>Trigger</b>	Sending routine by System Administrator

*Typical Course of Event:*

- Parents and Students can see the respective class routine from their profile.
- Course Teacher can see their respective routine. (Each Course Teacher gets own routine)
- System Administrator can see all the routines.

*Conclusion:*

- All actors have their class routines.

*Post Condition:*

- All actors can see the respective class routine from their profile.

### 3.5 Add Class Test Schedule & Syllabus

*High Level Table Version:*

Table 24: Use Case Narrative: Prepare Result

Use Case Name	Add Class Test Schedule & Syllabus
<b>Use Case ID</b>	3.5
<b>Priority</b>	High
<b>Primary Actor</b>	Course Teacher (CT)
<b>Secondary Actor</b>	Student (ST)
<b>Description</b>	CT can give input about Class Test schedule and result
<b>Trigger</b>	By CT

*Typical Course of Event:*

- CT gives the [Class Test Schedule](#)
- CT also adds the [Syllabus](#)

*Conclusion:*

- Details about class test is added by CT for ST

*Post Condition:*

- Details about class test is uploaded.

### 3.6 Update Class Test Mark

*High Level Table Version:*

Table 25: Use Case Narrative: Prepare Result

Use Case Name	Update Class Test Mark
<b>Use Case ID</b>	3.6
<b>Priority</b>	Medium
<b>Primary Actor</b>	Course Teacher (CT)
<b>Secondary Actor</b>	Student (ST)
<b>Description</b>	CT can give input about Class Test marks
<b>Trigger</b>	By CT

*Typical Course of Event:*

- CT gives the **marks of Class test**

*Conclusion:*

- Details about the performance of students in class test is added by CT for ST

*Post Condition:*

- Marks of class test is uploaded.

### 3.7 View Class Test Mark

*High Level Table Version:*

Table 26: Use Case Narrative: Prepare Result

Use Case Name	View Class Test Mark
<b>Use Case ID</b>	3.7
<b>Priority</b>	Low
<b>Primary Actor</b>	Student (ST),Parent(PT)
<b>Secondary Actor</b>	None
<b>Description</b>	ST and PT can view Class Test marks
<b>Trigger</b>	By ST,PT

*Typical Course of Event:*

- ST and PT can view the **marks of Class test**

*Conclusion:*

- Details about the performance of students in class test is viewed by ST and PT

*Post Condition:*

- Marks of class test is viewed by ST and PT.



### 3.8 Post Notice

*High Level Table Version:*

Table 27: Use Case Narrative: Prepare Result

Use Case Name	Post Notice
<b>Use Case ID</b>	3.8
<b>Priority</b>	High
<b>Primary Actor</b>	Course Teacher(CT)
<b>Secondary Actor</b>	Student (ST), Parent (PT)
<b>Description</b>	CT updates any upcoming event in the notice section
<b>Trigger</b>	By CT

*Typical Course of Event:*

- CT updates any information or notice about any upcoming events.

*Conclusion:*

- Details about the upcoming events is updated.

*Post Condition:*

- Notice is updated.

### 3.9 View Notice

#### *High Level Table Version:*

Table 28: Use Case Narrative: Prepare Result

Use Case Name	Add User with Role
<b>Use Case ID</b>	3.9
<b>Priority</b>	High
<b>Primary Actor</b>	Student (ST), Parent (PT)
<b>Secondary Actor</b>	None
<b>Description</b>	ST and PT view notice
<b>Trigger</b>	By ST,PT

#### *Typical Course of Event:*

- ST and PT view notice
- ST and PT get aware of any updates any information or notice about any upcoming events.

#### *Conclusion:*

- ST and PT view details about the upcoming events.

#### *Post Condition:*

- Notice is viewed by ST and PT.

## Examination Subsystem

### Use Case Glossary:

Table 29: Use Case Glossary of Examination Subsystem

Use Case ID	Use Case Name	Actor
4.1	Update Examination Schedule	SA
4.2	View Examination Schedule	ST, PT, CT
4.3	Prepare Examination Duty Roster	SA
4.4	View Duty Roster	CT
4.5	Insert Marks of Exam Paper	CT
4.6	Issue Admit Card	CT
4.7	Print Admit Card	CT

## Use Case Diagram:

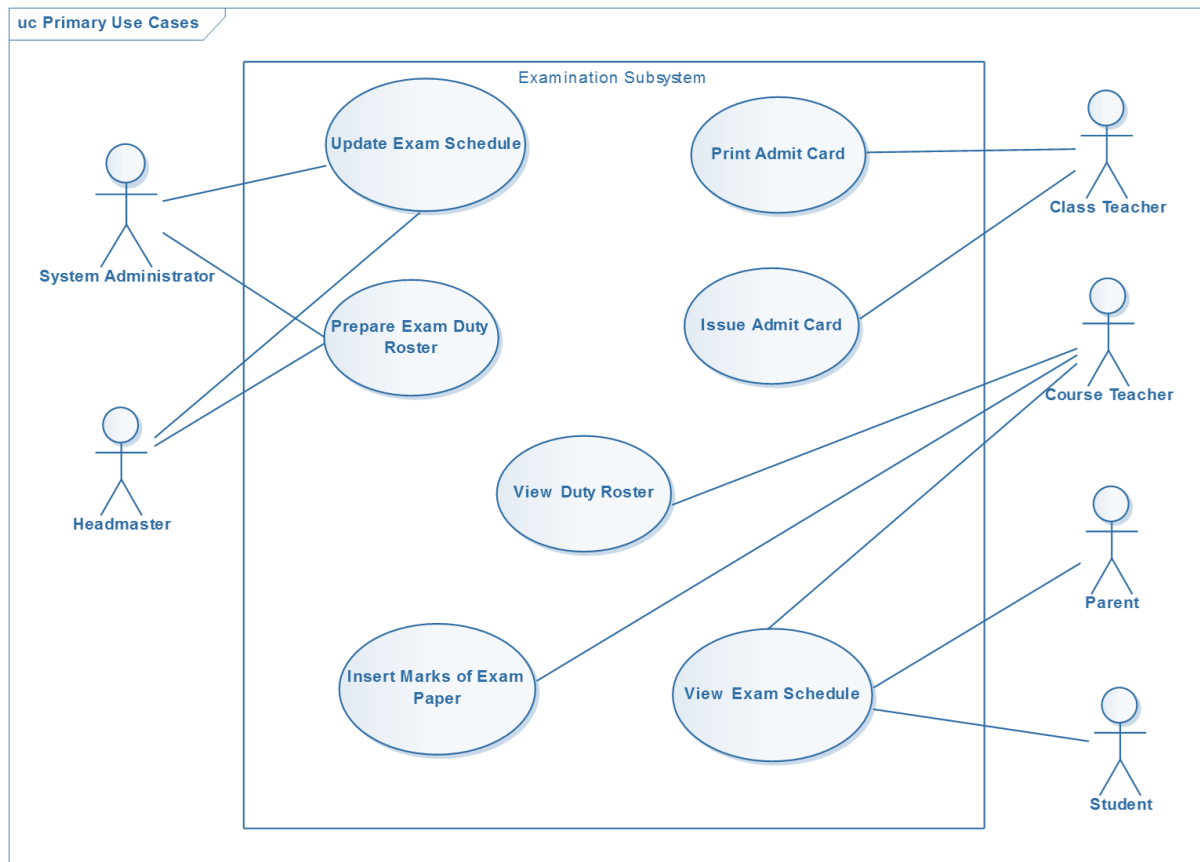


Figure 5: Use Case Diagram of Examination Subsystem

## Use Case Narrative:

### 4.1 Update Exam Schedule

*High Level Table Version:*

Table 4.1: Use Case Narrative: Update Exam Schedule

Use Case Name	Update Exam Schedule
Use Case ID	4.1
Priority	High
Primary Actor	System Administrator, Headmaster
Secondary Actor	None
Description	SA and HM update exam schedule
Trigger	None

*Typical Course of Event:*

- Head master or System administrator inputs the new exam schedule into the system.

*Post Condition:*

- Students are notified about the exam schedule in notice subsystem

## 4.2 View Examination Schedule

*High Level Table Version:*

Table 4.2: Use Case Narrative: View Examination Schedule

Use Case Name	View Examination Schedule
<b>Use Case ID</b>	4.2
<b>Priority</b>	Medium
<b>Primary Actor</b>	Student
<b>Secondary Actor</b>	Parent, Course Teacher, Student
<b>Description</b>	After Exam Schedule has been updated, PT, ST and CT can view the schedule
<b>Trigger</b>	None

*Typical Course of Event:*

- Students view their exam schedule.
- Parents and course teachers can also view the schedule.

*Post Condition:*

- Students are aware of the exam schedule .

## 4.3 Prepare Examination Duty Roster

*High Level Table Version:*

Table 4.30: Use Case Narrative: Prepare Examination Duty Roster

Use Case Name	Prepare Examination Duty Roster
<b>Use Case ID</b>	4.3
<b>Priority</b>	High
<b>Primary Actor</b>	Headmater, System Adminstrator
<b>Secondary Actor</b>	None
<b>Description</b>	Defining duty roaster for CT and CLT
<b>Trigger</b>	Exam schedule has been announced

*Typical Course of Event:*

- Headmaster prepares duty roster for teachers and he or system admin inputs it into the system.

*Post Condition:*

- Duty roaster is ready for viweing.

## 4.4 View Duty Roster

*High Level Table Version:*

Table 4.4: Use Case Narrative: View Duty Roster

Use Case Name	View Duty Roster
<b>Use Case ID</b>	4.4
<b>Priority</b>	Medium
<b>Primary Actor</b>	Course Teacher
<b>Secondary Actor</b>	None
<b>Description</b>	Examination duty roster has been prepared
<b>Trigger</b>	None

*Typical Course of Event:*

- Headmaster prepares duty roster for teachers and he or system admin inputs it into the system.
- Course Teachers view the duty roster to see his duty time

*Post Condition:*

- CT and CLT are aware of their duty roaster .



## 4.5 Insert Marks of Exam Paper

*High Level Table Version:*

Table 4.5: Use Case Narrative: Insert Marks of Exam Paper

Use Case Name	Insert Marks of Exam Paper
<b>Use Case ID</b>	4.5
<b>Priority</b>	High
<b>Primary Actor</b>	Course Teacher
<b>Secondary Actor</b>	None
<b>Description</b>	After exam papers have been checked,marks are inserted.
<b>Trigger</b>	None

*Typical Course of Event:*

- Course Teacher checks the exam paper & scrutinizes.
- Course Teacher inserts the marks into the system.

*Post Condition:*

- All the marks have been inserted.

## 4.6 Issue Admit Card

*High Level Table Version:*

Table 4.6: Use Case Narrative: Issue Admit Card

Use Case Name	Issue Admit Card
<b>Use Case ID</b>	4.6
<b>Priority</b>	High
<b>Primary Actor</b>	Class Teacher
<b>Secondary Actor</b>	None
<b>Description</b>	If Students have paid their dues they are provided admit card
<b>Trigger</b>	None

*Typical Course of Event:*

- Class Teacher takes tuition fees.
- If all dues are paid he issues the Admit Card

*Post Condition:*

- All the marks have been inserted.

## 4.7 Print Admit Card

*High Level Table Version:*

Table 4.7: Use Case Narrative: Print Admit Card

Use Case Name	Print Admit Card
<b>Use Case ID</b>	4.7
<b>Priority</b>	High
<b>Primary Actor</b>	Class Teacher
<b>Secondary Actor</b>	None
<b>Description</b>	Admit cards have been issued in a printed form.
<b>Trigger</b>	None

*Typical Course of Event:*

- Class Teacher prints Admit card and delivers to the students

*Post Condition:*

- Admit Cards are available in a printed form.

## Result Subsystem

### Use Case Glossary:

Table 31: Use Case Glossary of Result Subsystem

Use Case ID	Use Case Name	Actor
5.1	Prepare Result	CT, CLT
5.2	Forwarding Result	CLT
5.3	View Result Summary and Approve	HM
5.4	Update Result	CT, CLT
5.5	Print Result	CLT
5.6	View Result	ST, PT, CLT
5.7	Result Publication Notification	PT, ST

## Use Case Diagram:

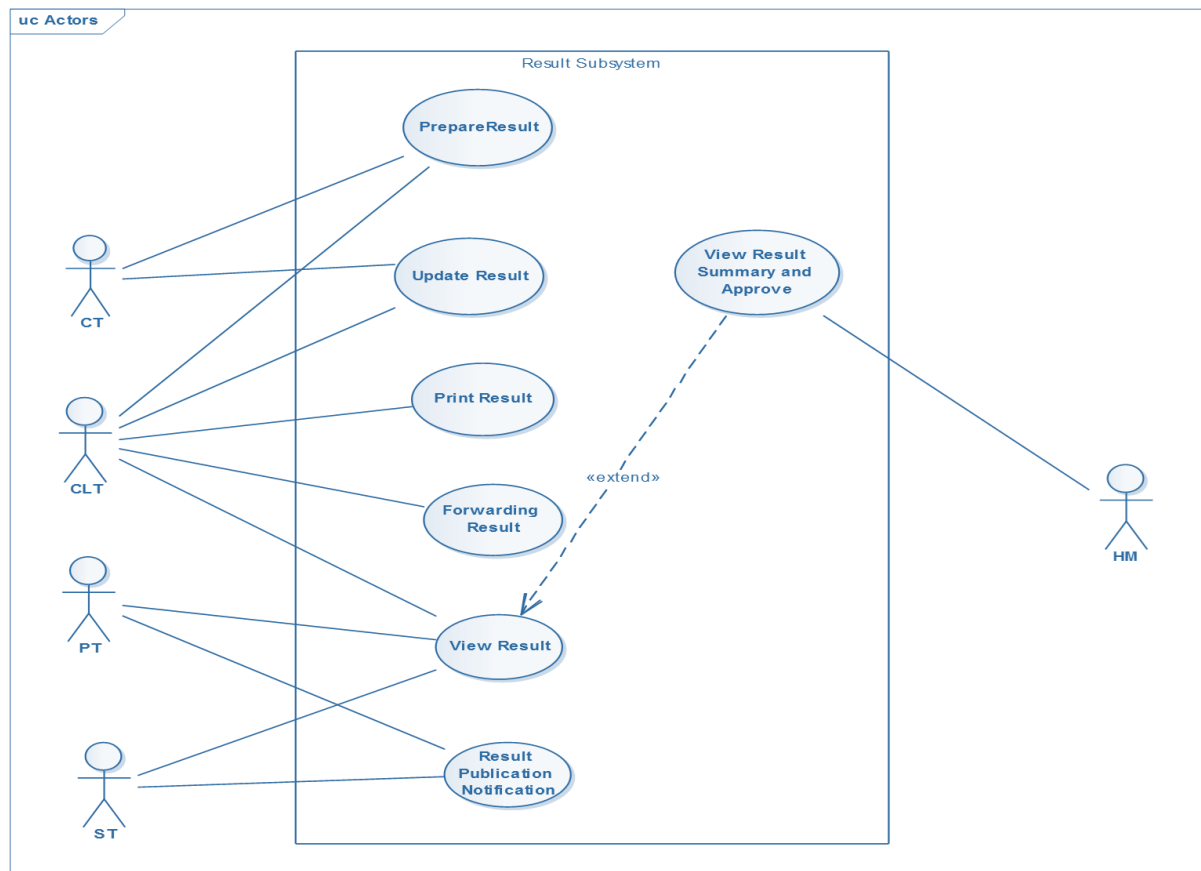


Figure 6: Use Case Diagram of Result Subsystem

## Use Case Narrative:

### 5.1 Prepare Result

*High Level Table Version:*

Table 32: Use Case Narrative: Prepare Result

Use Case Name	Add User with Role
<b>Use Case ID</b>	5.1
<b>Priority</b>	High
<b>Primary Actor</b>	Course Teacher (CT), Class Teacher (CLT)
<b>Secondary Actor</b>	None
<b>Description</b>	After exam papers have been checked and scrutinized , result is prepared
<b>Trigger</b>	By CT and CLT

*Typical Course of Event:*

- Course Teacher and Class Teacher give input of the marks
- CLT checks the results if any error is there
- The given marks with appropriate weight for the respective fields are calculated via our automated system.

*Conclusion:*

- Result of every student (ST) is made by CT and CLT

*Post Condition:*

- Result is prepared and ready for forwarding to HM.

## 5.2 Forwarding Result

*High Level Table Version:*

Table 33: Use Case Narrative: Forwarding Result

Use Case Name	Add User with Role
<b>Use Case ID</b>	5.2
<b>Priority</b>	High
<b>Primary Actor</b>	Class Teacher (CLT)
<b>Secondary Actor</b>	Head Master (HM)
<b>Description</b>	After Grade and Result sheets have been prepared by CT and CLT, CT forwards the result for approval of HM
<b>Trigger</b>	By CLT

*Typical Course of Event:*

- CLT checks for any kind of mistake in the preparation of result of ST.
- If none found CLT forwards the result to HM for approval.

*Conclusion:*

- Result of every student (ST) is forwarded by CT and CLT

*Post Condition:*

- Result is waiting for approval of HM.

## 5.3 View Result Summary and Approve

*High Level Table Version:*

Table 34: Use Case Narrative: Prepare Result

Use Case Name	Add User with Role
<b>Use Case ID</b>	5.3
<b>Priority</b>	High
<b>Primary Actor</b>	Head Master (HM)
<b>Secondary Actor</b>	Student (ST), Parent (PT), Class Teacher (CT)
<b>Description</b>	After results have been forwarded by CLT, HM approves those result
<b>Trigger</b>	By HM

*Typical Course of Event:*

- HM checks the result summary.
- HM approves if everything is fine with the result.

*Conclusion:*

- Result of every student (ST) is approved by HM

*Post Condition:*

- Result Approved and ready for viewing.



## 5.4 Update Result

*High Level Table Version:*

Table 35: Use Case Narrative: Prepare Result

Use Case Name	Add User with Role
<b>Use Case ID</b>	5.4
<b>Priority</b>	Medium
<b>Primary Actor</b>	Course Teacher (CT), Class Teacher (CLT)
<b>Secondary Actor</b>	None
<b>Description</b>	After Grade and Result sheets have been prepared by CT and CLT, updating the content if needed
<b>Trigger</b>	By CT and CLT

*Typical Course of Event:*

- Course Teacher and Class Teacher give update to input of the marks if needed.

*Conclusion:*

- Result of student (ST) is updated by CT and CLT

*Post Condition:*

- Result is prepared and ready for forwarding to HM.

## 5.5 Print Result

*High Level Table Version:*

Table 36: Use Case Narrative: Prepare Result

Use Case Name	Add User with Role
<b>Use Case ID</b>	5.5
<b>Priority</b>	Low
<b>Primary Actor</b>	Class Teacher (CLT)
<b>Secondary Actor</b>	Student (ST), Parent (PT)
<b>Description</b>	After Grade and Result sheets have been prepared by CT and CLT, CLT prints the results
<b>Trigger</b>	By CLT

*Typical Course of Event:*

- Class Teacher print the result for hard copies.

*Conclusion:*

- Result of student (ST) is printed by CLT

*Post Condition:*

- Result ready for viewing in a hard copied form.

## 5.6 View Result

*High Level Table Version:*

Table 37: Use Case Narrative: Prepare Result

Use Case Name	Add User with Role
<b>Use Case ID</b>	5.6
<b>Priority</b>	Medium
<b>Primary Actor</b>	Student (ST), Parent (PT), Class Teacher (CLT)
<b>Secondary Actor</b>	None
<b>Description</b>	After approval by HM,CLT,ST and PT are allowed to view the result
<b>Trigger</b>	By ST,PT,CLT

*Typical Course of Event:*

- ST, PT, CLT can view the result.
- CLT can access the result of all the students of his class.
- PT and ST can view only the result accounted for their profile

*Conclusion:*

- Result of student (ST) is viewed by CLT

*Post Condition:*

- ST and PT are aware of the result.

## 5.7 Result Publication Notification

*High Level Table Version:*

Table 38: Use Case Narrative: Prepare Result

Use Case Name	Add User with Role
<b>Use Case ID</b>	5.7
<b>Priority</b>	Medium
<b>Primary Actor</b>	Student (ST), Parent (PT)
<b>Secondary Actor</b>	System Admin (SA)
<b>Description</b>	After approval by HM;ST and PT are notified to view the result
<b>Trigger</b>	By SA<ST<PT

*Typical Course of Event:*

- ST, PT are notified to view the result.
- Individual notifications are sent to the ST and PT.

*Conclusion:*

ST, PT are notified about result.

*Post Condition:*

- ST and PT are aware of the result.

## Notice Subsystem

### Use Case Glossary:

Use Case ID	Use Case Name	Actor
6.1	Input Vacation List	SA
6.2	View Vacation List	ST, PT, CT
6.3	Input Notice	SA
6.4	View Notice	ST, PT, CT

## Use Case Diagram:

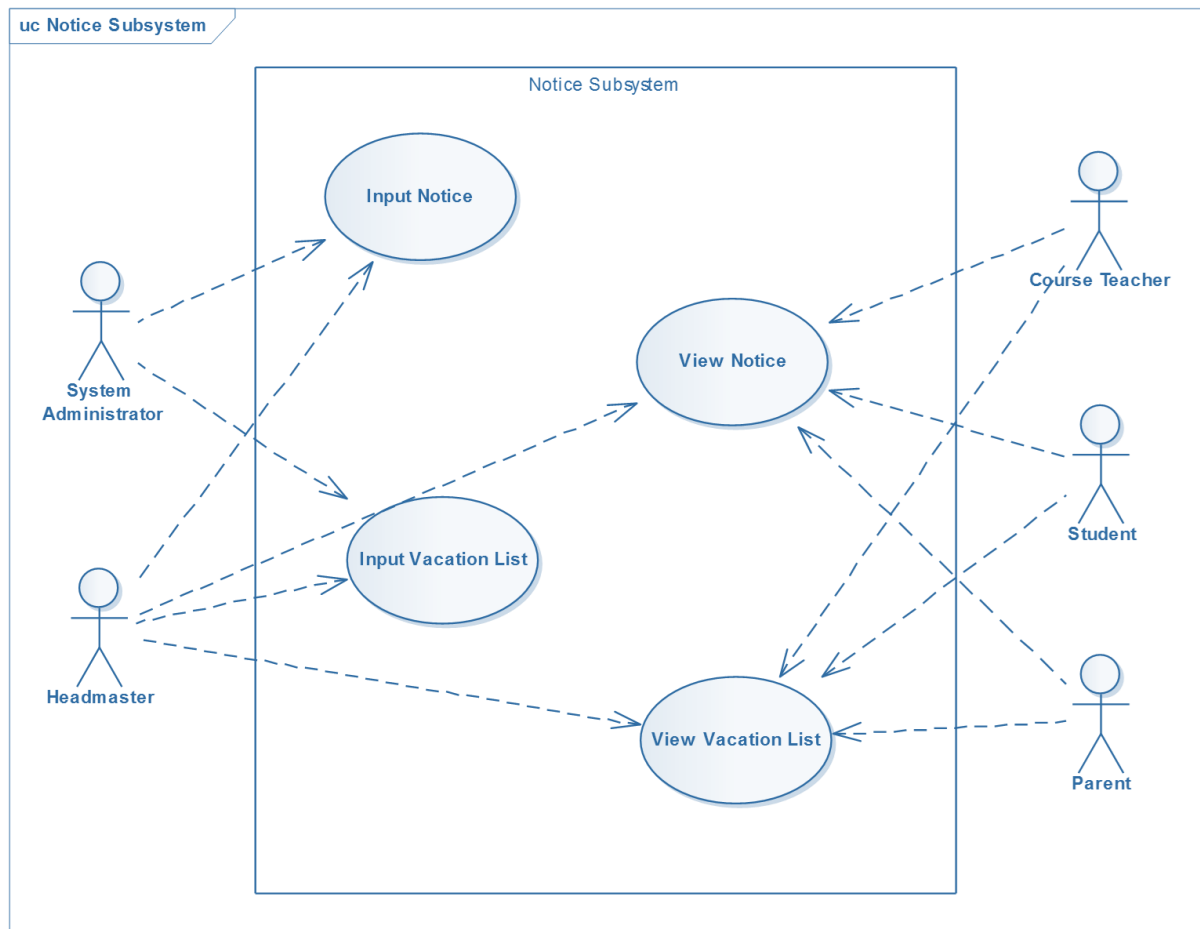


Figure 7: Use Case Diagram of Notice Subsystem

## Use Case Narrative:

### 6.1 Input Notice

#### High Level Table Version:

Table 39: Use Case Narrative: Input Notice

Use Case Name	Add User with Role
Use Case ID	6.1
Priority	High
Primary Actor	System Administrator, Headmaster
Secondary Actor	None
Description	Posting notice on recent events
Trigger	Notice posted by Headmaster and System Administrator

#### Typical Course of Event:

- Headmaster can input notice on any given event.
- System administrator can also input notice on any given event
- The input notice can be modified or updated when needed by the Headmaster as the Headmaster is by default a System administrator.

#### Conclusion:

- Both the System Administrator and Headmaster can input notice in the bulletin board.

#### Post Condition:

- After notice has been input it is ready for the Course Teachers, Students and parents to view.

## 6.2 View Notice

### *High Level Table Version:*

Table 40: Use Case Narrative: Add User with Role

Use Case Name	Add User with Role
<b>Use Case ID</b>	6.2
<b>Priority</b>	High
<b>Primary Actor</b>	Headmaster, Course Teacher, Student, Parent
<b>Secondary Actor</b>	None
<b>Description</b>	Viewing the notice input by Headmaster or System Administrator
<b>Trigger</b>	Notice input by Headmaster or System Administrator

### *Typical Course of Event:*

- Headmaster can view the notice after input but System administrator cannot.
- Course Teachers, Students and Parents all can view the notice from their own accounts or in the bulletin board.

### *Conclusion:*

- The notice input by Headmaster and System Administrator can easily be accessed by the course teachers, students and parents.

### *Post Condition:*

- All actors can view the notice except the system administrator and receive information from the notices.



## 6.3 Input Vacation List

*High Level Table Version:*

Table 41: Use Case Narrative: Input Vacation List

Use Case Name	Add User with Role
<b>Use Case ID</b>	6.3
<b>Priority</b>	High
<b>Primary Actor</b>	System Administrator, Headmaster
<b>Secondary Actor</b>	None
<b>Description</b>	Posting list of vacations
<b>Trigger</b>	By System Administrator or Headmaster

*Typical Course of Event:*

- Headmaster can input and update the list of vacations at any moment.
- System Administrator also has the power to input the list of vacations.

*Conclusion:*

7. Both the System Administrator and the Headmaster can input the vacation list in the system.

*Post Condition:*

- After vacation list has been input it is ready for the course teachers, students and parents to view.

## 6.4 View Vacation List

### *High Level Table Version:*

Table 42: Use Case Narrative: View Vacation List

Use Case Name	Add User with Role
<b>Use Case ID</b>	6.4
<b>Priority</b>	High
<b>Primary Actor</b>	Headmaster, Course Teacher, Student, Parent
<b>Secondary Actor</b>	None
<b>Description</b>	Viewing the vacation list input by the Headmaster or the System Administrator
<b>Trigger</b>	Vacation List input by Headmaster or the System Administrator

### *Typical Course of Event:*

- Headmaster can view the vacation list after input but the System Administrator cannot.
- Course Teachers, Students and Parents can all view the vacation list from their own profiles/accounts.

### *Conclusion:*

- The vacation list input by the Headmaster and/or the System Administrator can readily be accessed by the Course Teachers, Students and parents.

### *Post Condition:*

- All actors can view the vacation list except the system administrator and receive information regarding vacation from it.