

HALL MANAGEMENT SYSTEM

Submitted by:

Khan Aues Monowar (1005061)

Abhijit Mondal (1005075)

Farzana Ahamed Bhuiyan (1005081)

Farzana Ahmed Siddique (1005089)

Wahid-Uz-Zaman (1005090)

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Subsystems

 Organized Student Info

 Dining Management System

 Application & Complaint System

 Notice Board

Actors

- Student
- Provost
- Dining Manager
- Supervisor
- Section Officer

Actors Glossary

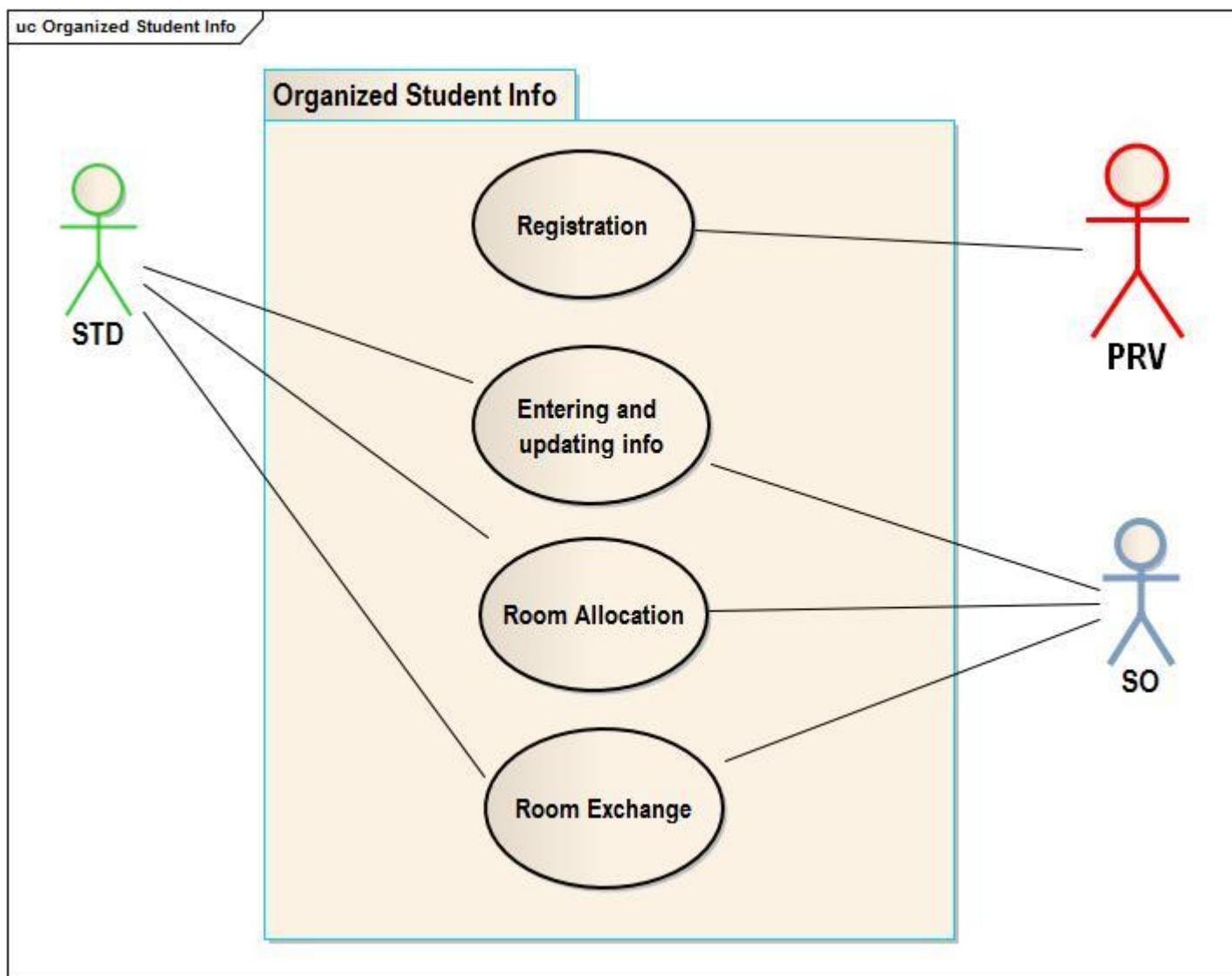
Actor	Short Key	Activity Scope
Student	STD	Updates individual data, votes for dining manager, rates dining menu, applies for room, complains if having issues
Provost	PRV	Authorizes and distributes duties, interacts with students
Dining Manager	DM	Runs dining section
Section Officer	SO	Allocates room, maintains financial issues, monitors SPV's work
Supervisor	SPV	Receives complaints and works accordingly

1. Organized Student Info

USE CASE GLOSSARY

Use-Case Id>Name	Description	Participant Actors and Roles
1.1>Registration	Registering STD	PRV registers STD
1.2>Entering and updating data	Entering data at the beginning and updating data if there is any change	STD enters their necessary information at the beginning and SO updates particular STD's room no if it has been changed
1.3>Room Allocation	Applying for rooms and allocating rooms	SO gives allocation to the fresher and others to the vacant room
1.4> Room Exchange	Applying for exchanging room	STD request for exchanging a room with another students to the SO

Use Case Diagram:



1.1 Registration

Use-Case Name	Registering
Use-Case ID	1.1
Priority	High
Primary Actor	Provost(PRIV)
Description	Registering Students
Trigger	By PRIV

Table: Use-Case Narrative: Registration

Typical Course of Event

Actor Action	System Response
Step 1: PRV registers the selected STD	Step 2: Creates individual account for registered STD

Documentation of the Use-Case (1.1)

Course of the Events

- **Conclusion:** Concludes when individual account is created.
- **Post Condition:** An entry of the registered student is made.
- **Implementation Issues:** An empty database will be given by the system to register new students.

1.2 Entering and Updating Data

Use-Case Name	Entering And Updating Data
Use-Case ID	1.2
Priority	High
Primary Business Actor	STD
Other Participating Actor	SO
Description	STD enters their necessary information at the beginning and SO updates particular STD’s room no if it has been changed
Trigger	By Student

Table: Use-Case Narrative: Entering and Updating Data

Typical Course of Events

Actor Action	System Response
Step 1: STD enters necessary data	Step 2: System saves it to individual account
Step 3:SO updates data in case of changes	Step 4: System saves it and notifies STD about the change

Documentation Of The Use-Case (1.2)

Course Of The Events

- **Conclusion** : Concludes when all the information is saved.
- **Post-Condition** : An informative database is created.
- **Implementation Issues** : The database will be maintained by the system.

1.3 Room Allocation

Use-Case Name	Room Allocation
Use-Case ID	1.3
Priority	High
Primary Business Actor	SO
Other Participating Actor	STD
Description	SO gives allocation to the fresher and others to the vacant room
Trigger	By SO

Table : Use-Case Narrative : Room Allocation

Typical Course Of Events

Actor Action	System Response
Step 1: SPV asks to vacate room	Step 2: Notifies graduated STD about the order
Step 3: SPV allocates the vacate room	Step 4 : New STD gets notification about their room allocation
Step 5 : Existing STD applies for room changing	Step 6 : SPV gets the application
Step 7 : SPV calls for meeting with the applicants	Step 8 : STD gets notification of the meeting date
Step 9 : SPV updates the room no	Step 10 : STD gets notification of room changing

Documentation of Use-Case (1.3)

Course of The Events

- **Conclusion** : Concludes while STD gets allocated room .
- **Post-Condition** : Updated room number of particular STD.
- **Implementation Issues** : A notification system is maintained to notify SPV and STD, a application system is maintained to apply for room changing.

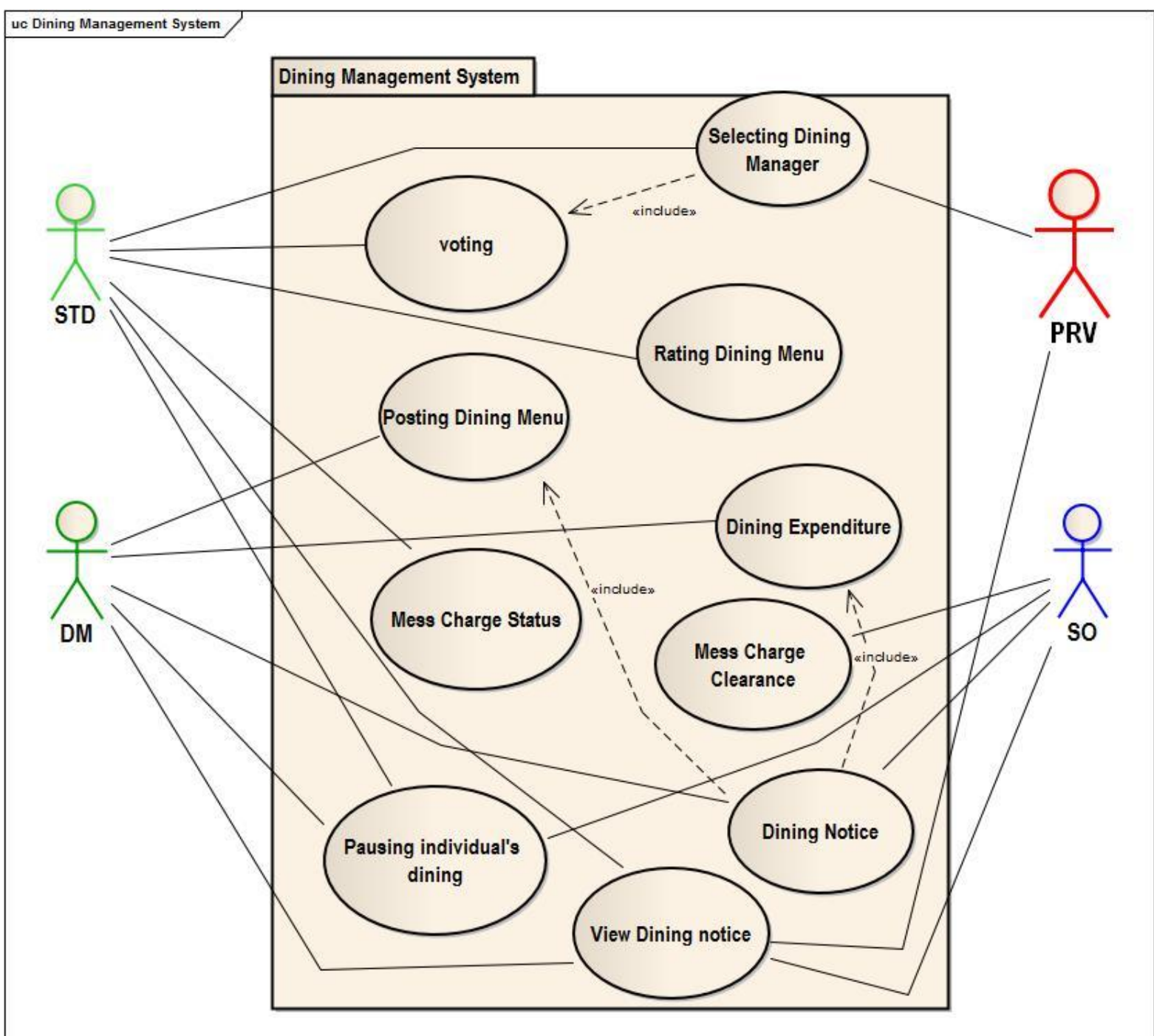
2. Dining Management System

Use-Case Glossary:

Use-Case ID>Name	Description	Participant Actors and Role
2.1>Selecting Dining Manager	Selecting manager	STD applies for the DM post, PRV receives applications, PRV selects DM
2.2> Voting for Dining Manager	STD votes for DM	STD votes for nominated Applicant
2.3> Posting Dining Menu	Updating dining menu	DM uploads the food menu
2.4>View Dining menu	STD view food menu	STD can see food menu everyday
2.5>Rating Dining Menu	Rating dining menu and commenting on it	STD rates dining menu and comment on it
2.6> Dining Expenditure	Publishing dining expenditure	DM publishes daily dining expenditure report.
2.7>Mess Charge Clearance	Clearing mess charge of a particular month	SO clears particular months' mess charge of STD checking the bank draft and notifies STD
2.8> Mess Charge Status	Showing due status of a particular term	STD checks for a particular term's due status and notifies SO if having confusion
2.9>Dining Notice	Provides notices of upcoming feast and improves	DM posts the dates and menu of upcoming feast and improves

2.10>View Dining Notice	Dining related notice	STD can see dining notices posted by DM or SO
2.11>Pausing individual's dining	Provides facility to pause individual's dining in case of his/her absence	STD applies for pausing his/her dining DM checks it and forwards it to SO

Use case diagram:



2.1 Selecting Dining Manager

Use Case name	Dining Manager Selection
Use Case ID	2.1
Priority	High
Primary Business Actor	PRV
Secondary Actor	STD
Description	STD applies for DM post, PRV nominates among applicant, STD votes for DM, PRV selects DM
Trigger	PRV

Table: Use-Case Narrative: Selecting Dining Manager

Typical Course Of Event

Actor Action	System Response
Step 1: STD applies for DM post	Step 2: Notifies PRV about the application
Step 3: PRV nominates applicant	
Step 4: STD votes for DM	Step 5: Shows voting result
Step 6: PRV selects DM	Step 6: Give DM account access to selected DM

Documentation of The Use-Case

Course Of The Events

- **Conclusion:** Concludes when DM is selected.
- **Post Condition:** Notifies the selected DM and permits them to access DM account.
- **Implementation Issues:** GUI will be provided by the webpage for the applicant to apply for the post.DM account will be provided by the system. A notification system will be given to notify STD about voting DM.

2.2 Voting for DM

Use-Case Name	Dining Expenditure
Use-Case ID	2.2
Priority	High
Primary Business Actor	STD
Description	STD can vote their nominated DM
Trigger	PRV

2.3 Posting Dining Menu

Use-Case Name	Posting Dining Menu
Use-Case ID	2.3
Priority	Medium
Primary Business Actor	DM
Description	DM uploads the food menu
Trigger	DM publishes the list

Table : Use-Case Narrative : Posting Dining Menu

Typical Course of Events

Actor Action	System Response
Step 1: DM uploads food menu	

Documentation of The Use-Case

Course Of The Events

Conclusion : Concludes when DM posts dining menu.

Post-Condition : Notifies STD about the dining menu.

Implementation Issues : Allows DM to change dining menu. Automated notification system is maintained by the system

2.4 View Dining Menu

Use-Case Name	Dining Expenditure
Use-Case ID	2.4
Priority	Medium
Primary Business Actor	STD
Secondary Actor	SPV, PVR
Description	STD, PVR and SPV can see the daily dining menu posted by DM
Trigger	DM

2.5 Rating Dining Menu

Use-Case Name	Rating Dining Menu
Use-Case ID	2.5
Priority	Medium
Primary Business Actor	STD
Description	Rating dining menu and commenting on it
Trigger	STD rates and comments on menu

Table : Use-Case Narrative : Rating Dining Menu

Typical Course of Events

Actor Action	System Response
Step 1: STD rates dining menu and comment on it	

Documentation Of Use-Case

Course Of The Events

Conclusion: Concludes after rating and commenting.

Post-Condition : Food item are sorted by the highest vote

Implementation Issues : System creates rating option for the STD

2.6 Dining Expenditure

Use-Case Name	Dining Expenditure
Use-Case ID	2.6
Priority	High
Primary Business Actor	DM
Description	Publishing monthly dining expenditure
Trigger	Dining Manager (DM)

Table : Use-Case Narrative : Dining Expenditure

Typical Course of Events

Actor Action	System Action
Step 1: DM publishes daily dining expenditure report.	

Documentation Of The Use-Case

Course Of The Events

Conclusion: Concludes when the expenditure report is published.

Post-Condition:

Implementation Issue : A financial section is maintained to update every day’s dining expenditure.

2.7 Mess Charge Clearance

Use-Case Name	Mess Charge Clearance
Use-Case ID	2.5
Priority	High
Primary Business Actor	SO
Description	Clearing mess charge due of a particular month
Trigger	By SO

Table : Use-Case Narrative : Mess Charge Clearance

Typical Course Of Events

Actor Action	System Response
Step 1 : SO clears particular months mess charge checking the bank draft.	Step 2: Notifies STD about the mess charge clearance.

Documentation Of Use-Case

Course Of The Events

Conclusion : Concludes when SO clears the Due.

Post-Condition : A list of students is made who haven't cleared their mess charge.

Implementation Issue : A notification system is provided to notify students about their mess charge clearance.

2.8 Mess Charge Status

Use-Case Name	Mess Charge Status
Use-Case ID	2.8
Priority	High
Primary Business Actor	STD
Description	Showing mess charge due status of a particular term
Trigger	STD

Table : Use-Case Narrative : Mess Charge Status

Typical Course Of Events

Actor Action	System Response
Step 1 : STD checks particular months mess charge due.	
Step 2 : STD knocks SO in case of any confusion.	Step 3: Notifies SO about STD's confusion.

Documentation Of Use-Case

Course Of The Events

Conclusion : Concludes when STD checks the Due.

Post-Condition :

Implementation Issue : System provides a list of particular term's mess charge status. A notification system is given to notify Section Officer .

2.9 Dining Notice

Use-Case Name	Mess Charge Status
Use-Case ID	2.
Priority	High
Primary Business Actor	DM,SPV
Description	Providing notices of upcoming feast and improves
Trigger	DM

Table : Use-Case Narrative : Dining Notice

Typical Course Of Events

Actor Action	System Response
Step 1 : DM publishes the news of upcoming feast and improves.	Step 2 : Notifies STD about the notice.

Documentation Of Use-Case

Course Of The Events

Conclusion : Concludes when DM publishes the notice

Post-Condition : STD are notified about upcoming events.

Implementation Issue : System provides a notification system to notify the STD.

2.10 View Dining Notice

Use-Case Name	Dining Expenditure
Use-Case ID	2.10
Priority	Medium

Primary Business Actor	STD
Secondary Actor	SPV
Description	STD can view all the notices from DM or SPV
Trigger	DM,SPV

2.11 Pausing Individual’s Dining

Use-Case Name	Pausing Individual’s Dining
Use-Case ID	2.11
Priority	High
Primary Business Actor	STD
Other Business Actor	SO,DM
Description	Provides facility to pause individual's dining in case of his/her absence
Trigger	STD

Table: Use-Case Narrative : Pausing Individual’s Dining

Typical Course Of Events

Actor Action	System Response
Step 1 : STD applies for pausing dining.	Step 2 : Notifies DM about the application.
Step 3: DM forwards the application to SO.	

Documentation Of Use-Case

Course Of The Events

Conclusion : Concludes when SO gets the notification.

Post-Condition : STD are notified about upcoming events.

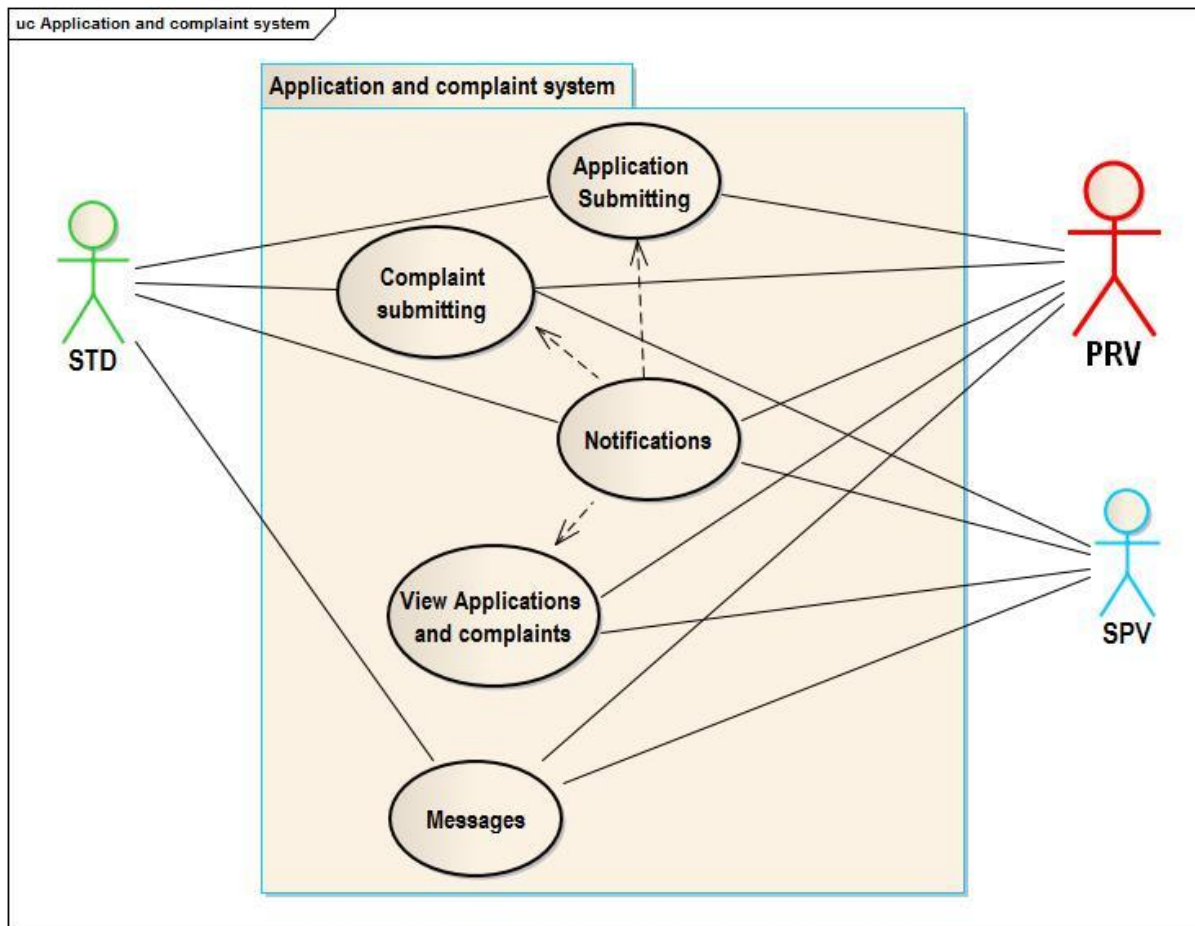
Implementation Issue : Webpage will provide a GUI so that student can apply for pausing dining.

3. Application & Complaint System

Use Case Glossary:

Use Case ID>Name	Description	Participants actors and roles
3.1> Application Submitting	Submitting applications to PRV	STD submits applications to PRV for getting scholarship, for coming late at night and for staying at hall in case of attached STD
3.2> Complaint submitting	Submitting complaints to PRV or SPV depending on the nature of the complaint	STD complains to PRV or SPV
3.3> Notifications	Notifying on every applications and complaints	PRV or SPV gets notification on the new applications and complaints and STD get notification when PRV or SPV views it
3.4> View Applications and complaints	Viewing applications and complaints	PRV or SPV views all the applications and complaints
3.5> Messages	Send message to STD	PRV or SPV will send message to the STD according to their applications and complaints

Use Case Diagram:



Use Case Narrative:

3.1 Applications Submitting

Use Case Name	Add User with Role
Use Case ID	3.1
Priority	High
Primary Actor	STD
Secondary Actor	None
Description	Submitting applications
Trigger	Application submitted by STD

Table: Use case narrative: Application Submitting

Typical Course of Events

Students can apply for getting scholarships. They have to give application for getting permission to stay outside at night or for late arriving. If the attached student wants to stay at hall on special purpose they also have to submit application for permission.

Conclusion

Students submit applications.

Post Condition

After submitting the application it is ready for the provost to view and PRV will get notifications.

3.2 Complaint Submitting

Use Case Name	Add User with Role
Use Case ID	3.2
Priority	High
Primary Actor	STD
Secondary Actor	None
Description	Submitting complaints
Trigger	complaints submitted by STD

Typical Course of Events:

STD can complain to SPV for room & bathroom cleaning, room servicing & related issues
.STD can complain to provost if SPV fails to handle the complaints

Conclusion

Concludes when complaints forwarded automatically to PRV or SPV

3.3 Notifications

Use Case Name	Add User with Role
Use Case ID	3.3
Priority	High
Primary Actor	PRV, STD, SPV
Secondary Actor	None
Description	Getting Notifications on every applications And complaints
Trigger	Applications and complaints submitted by STD

Table: Use case narrative: Notifications

Typical Course of Events

PRV and SPV get notification on respective applications and complaints submitted by
STD and STD gets notifications when his applications or complaints is viewed

Conclusion

Concludes when particular actor is notified by system

Post Condition

After getting the notification PRV or SPV can view the applications and complaints

3.4 View Application and complaint

Use Case Name	Add User with Role
Use Case ID	3.4
Priority	High
Primary Actor	PRV,STD
Secondary Actor	None
Description	Viewing the applications submitted by STD
Trigger	Application submitted by STD

Table: Use case narrative: View Application

Typical Course of Events

PRV can view the application.

Conclusion

The application submitted by student can easily be accessed by the PRV.

Post Condition

PRV can view the applications to take necessary steps.

3.5 Messages

Use Case Name	Add User with Role
Use Case ID	3.5
Priority	High
Primary Actor	PV
Secondary Actor	STD
Description	Giving message to the STD on their applications
Trigger	Application submitted by STD

Table: Use case narrative: Message

Typical Course of Events

PV or SPV or SO gives message for every applications and STD can view the messages.

Conclusion

It concludes when a message is given.

Post Condition

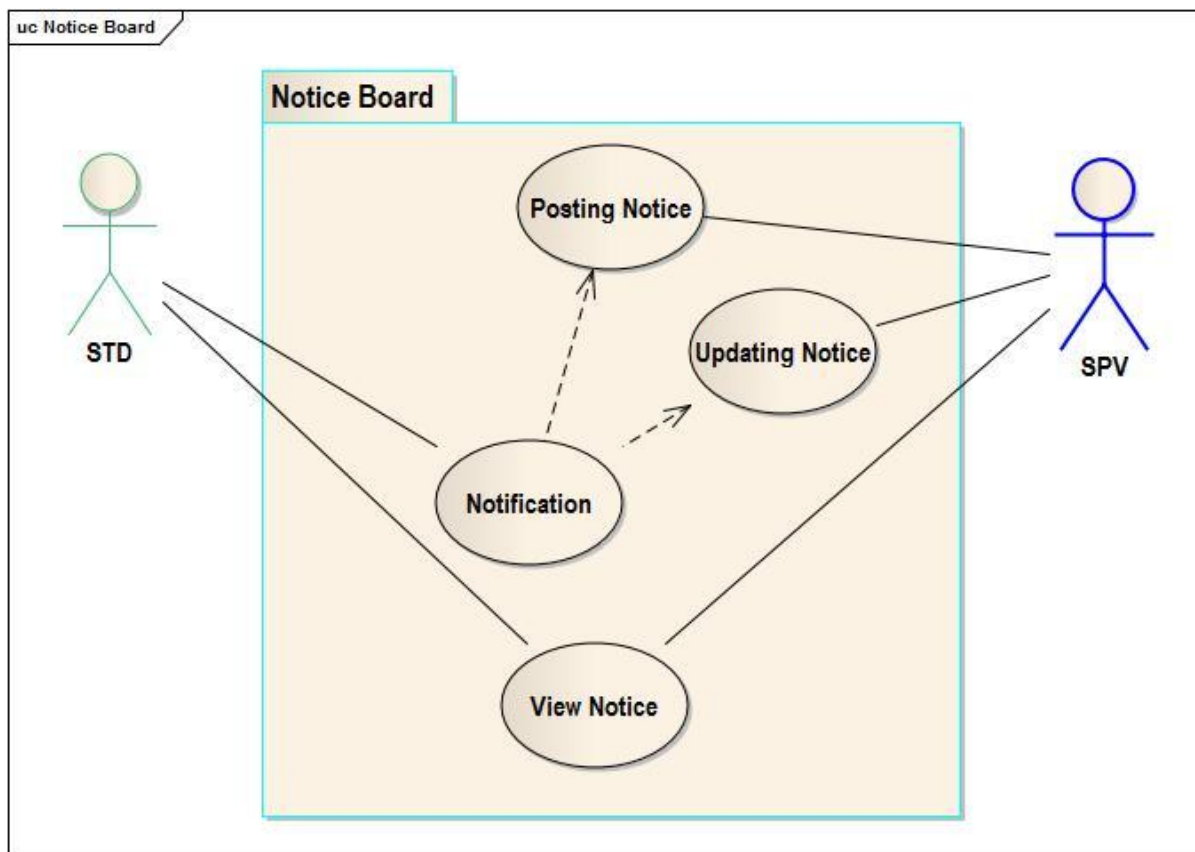
After giving the message STD can view the message.

4. Notice Board

Use Case Glossary:

Use Case ID>Name	Description	Participants actors and roles
4.1> Posting Notice	Posting notices on recent events	SPV posts all the notices
4.2> Updating Notice	Updating Notices	SPV updates various notices
4.3> Notification	Giving Student notification on every notice	STD gets notification on every new or updated notices
4.4> View Notice	View Notice	STD view all the notices

Use Case Diagram:



Use Case Narrative:

4.1 Posting Notice

Use Case Name	Add User with Role
Use Case ID	4.1
Priority	High
Primary Actor	SPV
Secondary Actor	None
Description	Posting notice on recent events
Trigger	Notice posted by Supervisor

Table: Use case narrative: Posting Notice

Typical Course of Events

Supervisor can posts notices on any events.

Conclusion

Supervisor posts notices on the notice board.

Post Condition

After posting the notice it is ready for the students to view and student will get notifications.

4.2 Updating Notice

Use Case Name	Add User with Role
Use Case ID	4.2
Priority	High
Primary Actor	SPV
Secondary Actor	None
Description	Updating existing notice on recent events
Trigger	Notice updated by Supervisor

Table: Use case narrative: Updating Notice

Typical Course of Events

Supervisor can updates or modifies notices on recent events.

Conclusion

Supervisor updates notices on the notice board.

Post Condition

After updating the notice it is ready for the students to view and student will get notifications.

4.3 Notifications

Use Case Name	Add User with Role
Use Case ID	4.3
Priority	High
Primary Actor	STD
Secondary Actor	None
Description	Getting Notifications on every new or updated notice
Trigger	Notice posted by Supervisor

Table: Use case narrative: Notifications

Typical Course of Events

Students get notification on every new notice and updated notice.

Conclusion

Students get notification on notices.

Post Condition

After getting the notification students can view the notice.

4.4 View Notice

Use Case Name	Add User with Role
Use Case ID	4.4
Priority	High
Primary Actor	STD
Secondary Actor	None
Description	Viewing the notices posted by SPV
Trigger	Notice posted by SPV

Table: Use case narrative: View Notice

Typical Course of Events

Students can view the notices from their own account or in the notice board.

Conclusion

The notice posted by supervisor can easily be accessed by the students.

Post Condition

All students can view the notices and receive information from the notices.