Hall Management System

Class and Collaboration Diagram

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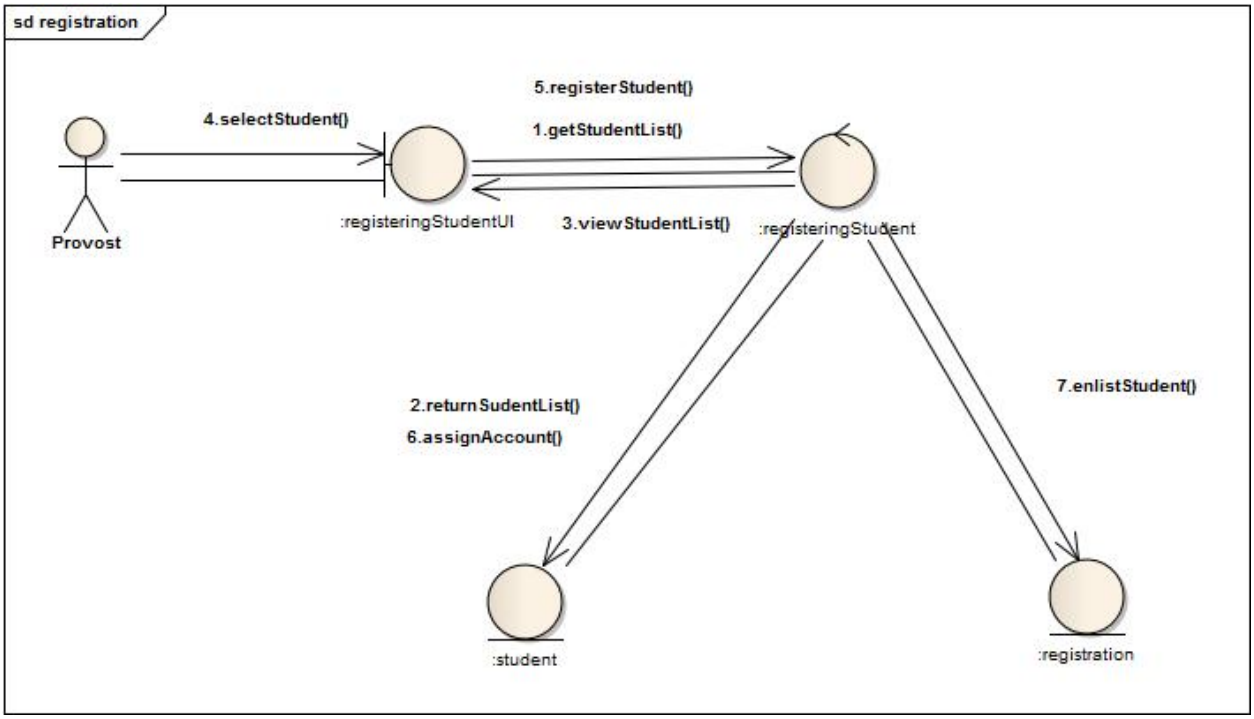
Subsystem

- Organized student information
- Dining management system
- Application and complaint system
- Notice Board

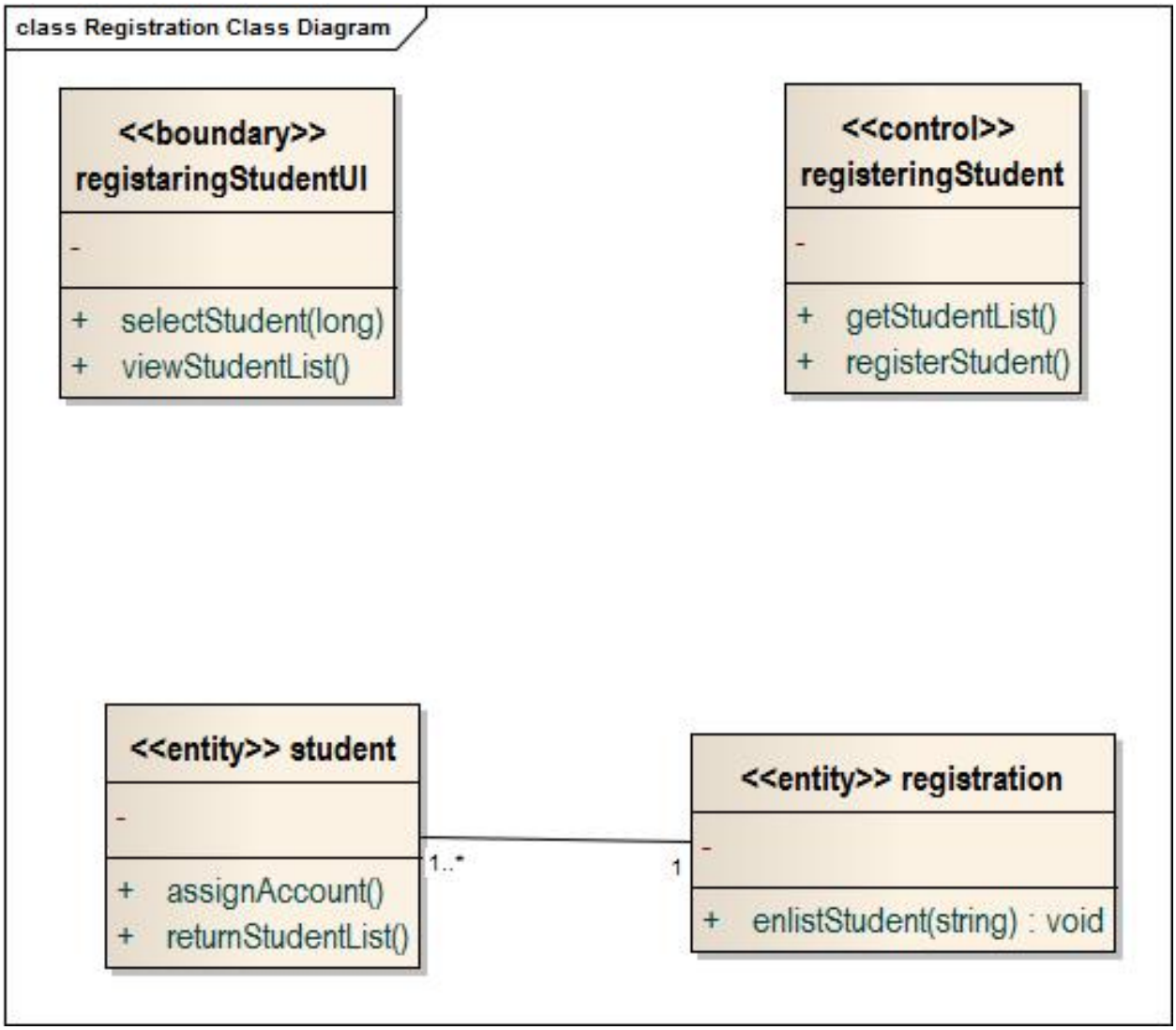
1. Organized student information

1.1 Registration:

Collaboration diagram:

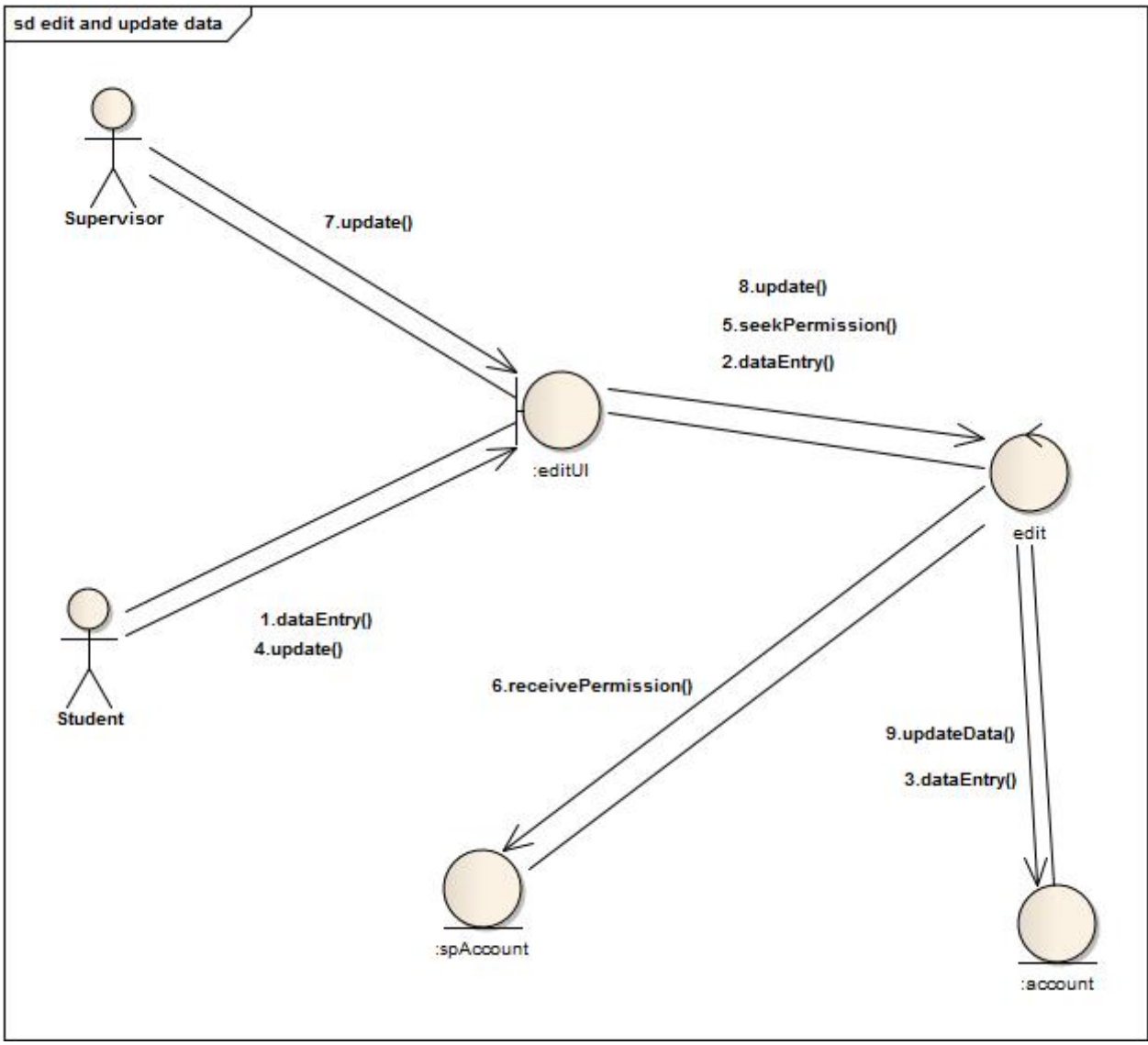


Class diagram:

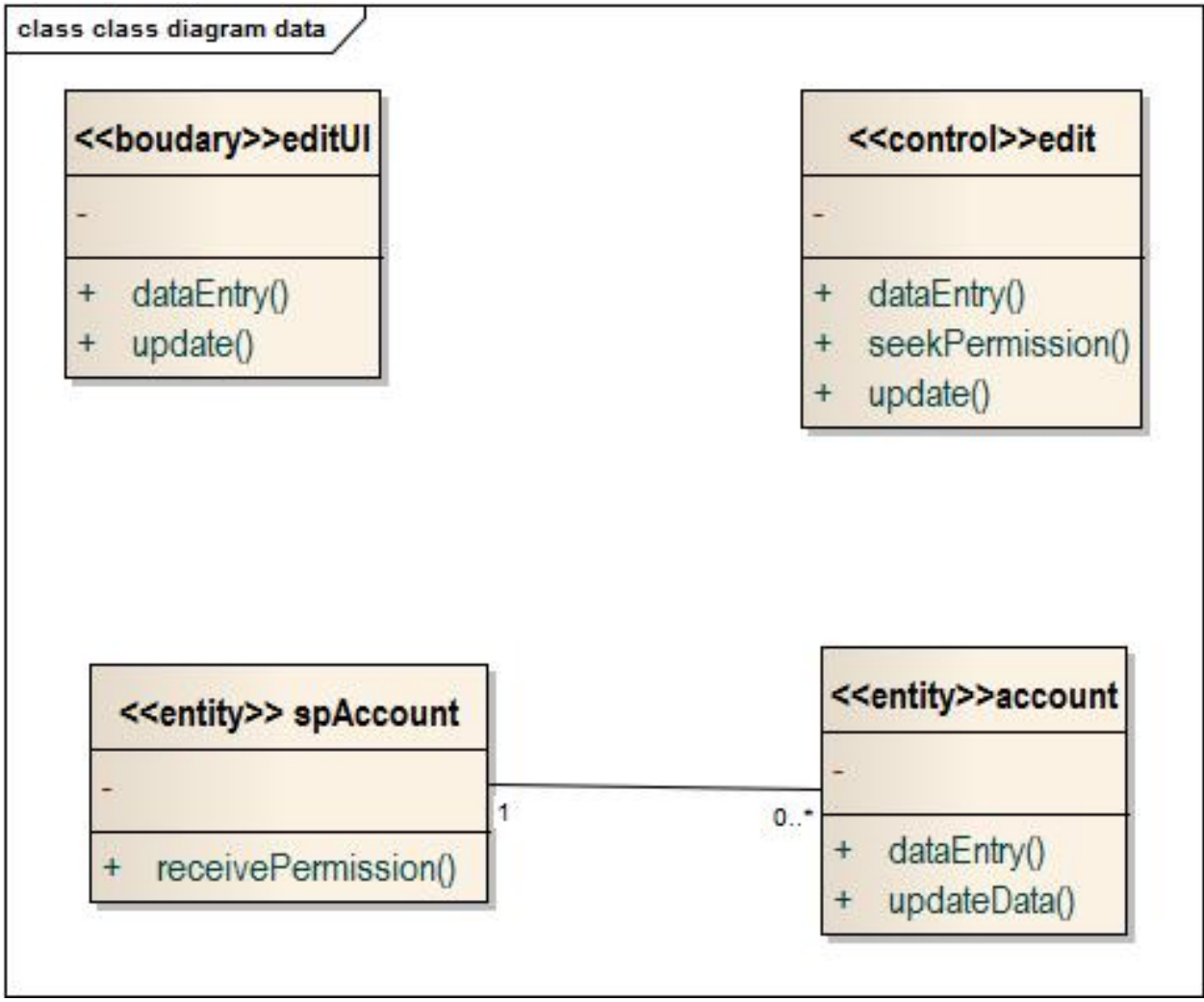


1.2 Entering and updating data

Collaboration diagram:

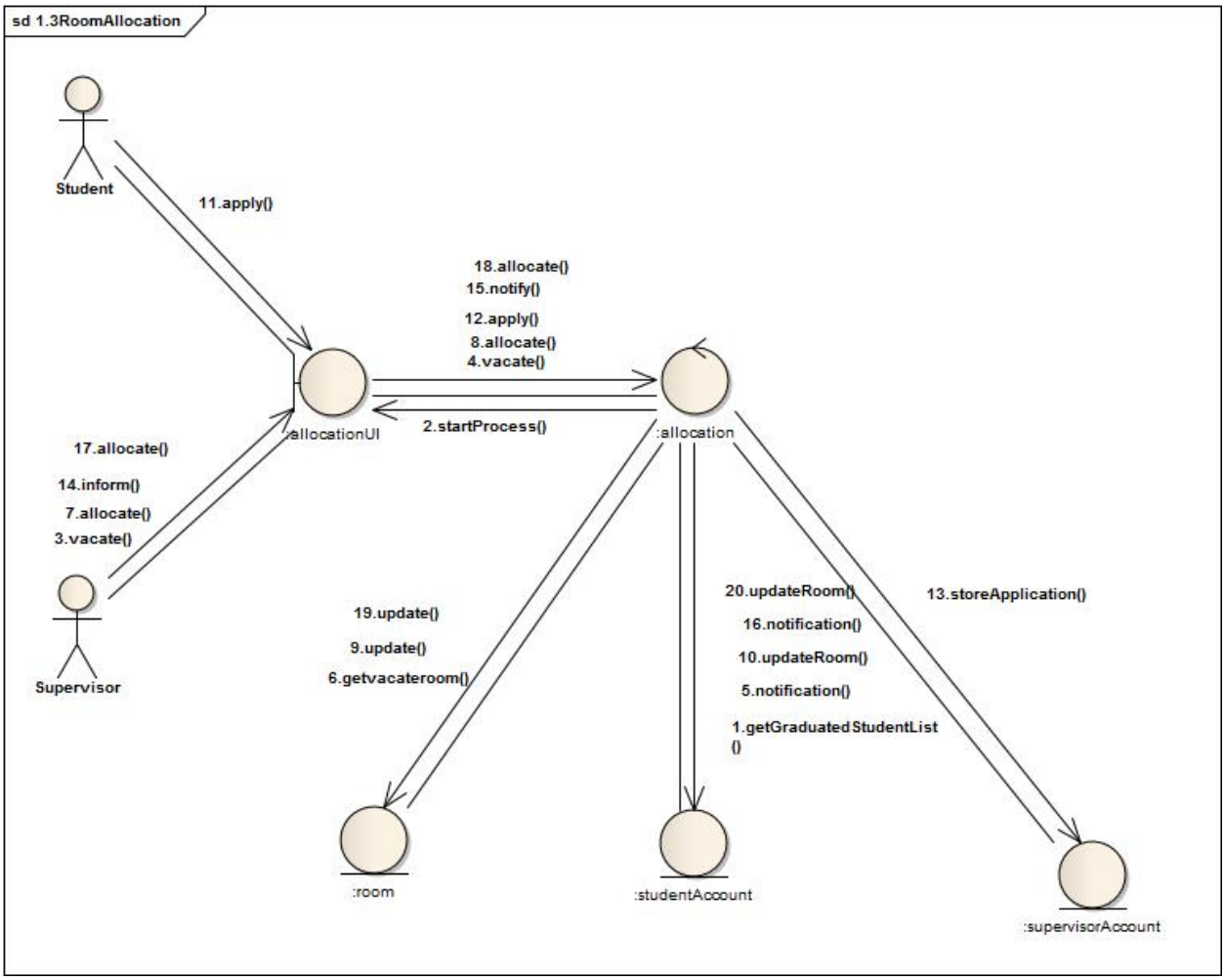


Class diagram:

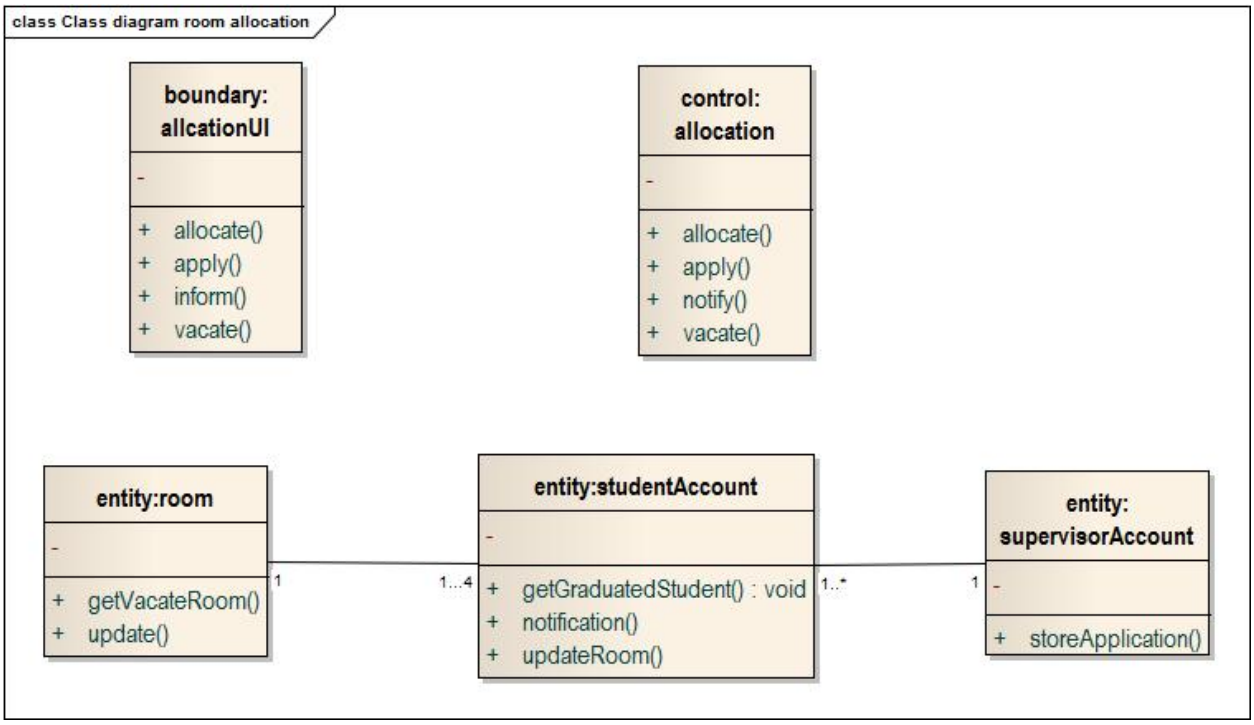


1.3 Room allocation

Collaboration diagram:

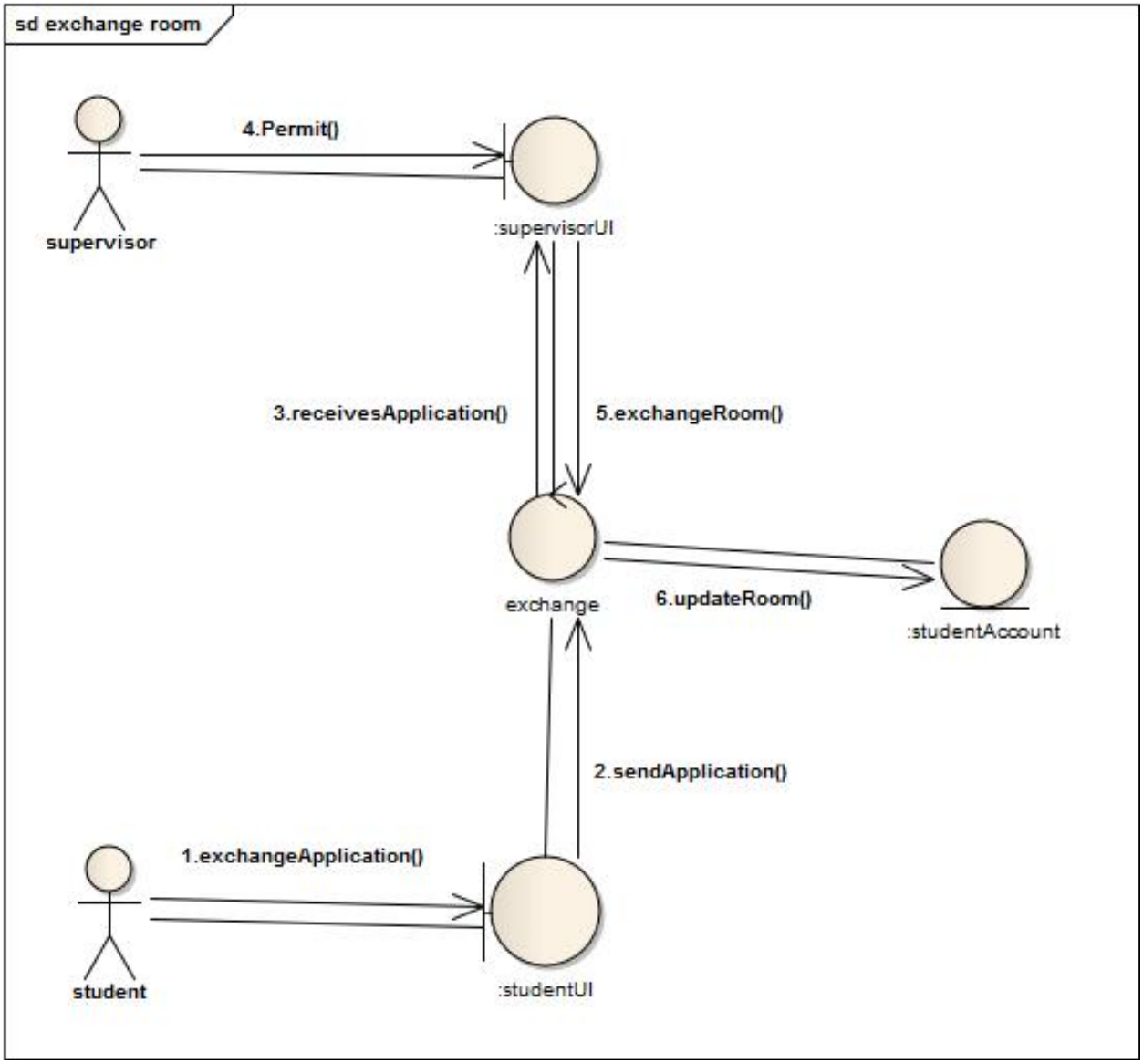


Class diagram:

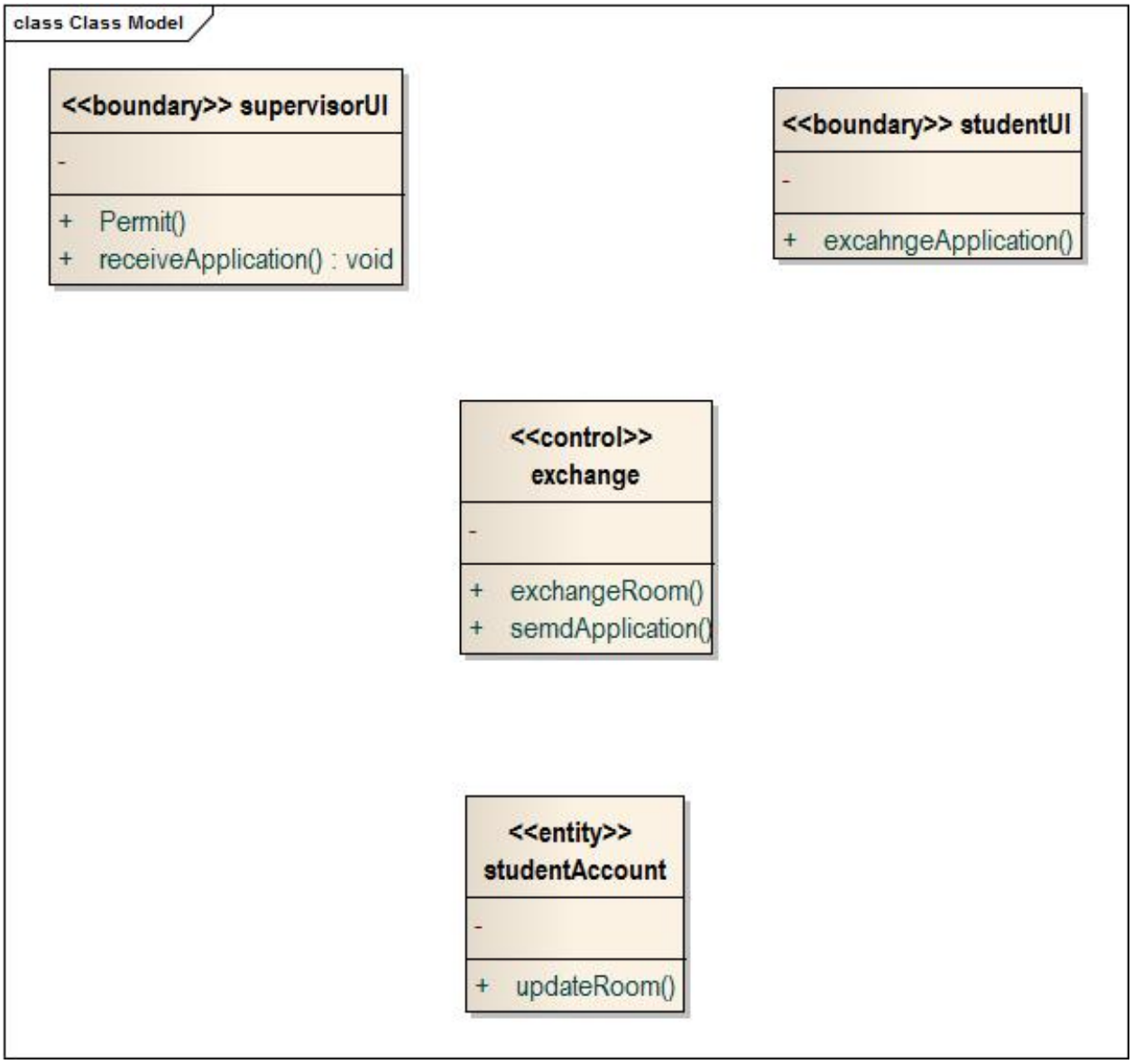


1.4 Room exchange

Collaboration diagram:



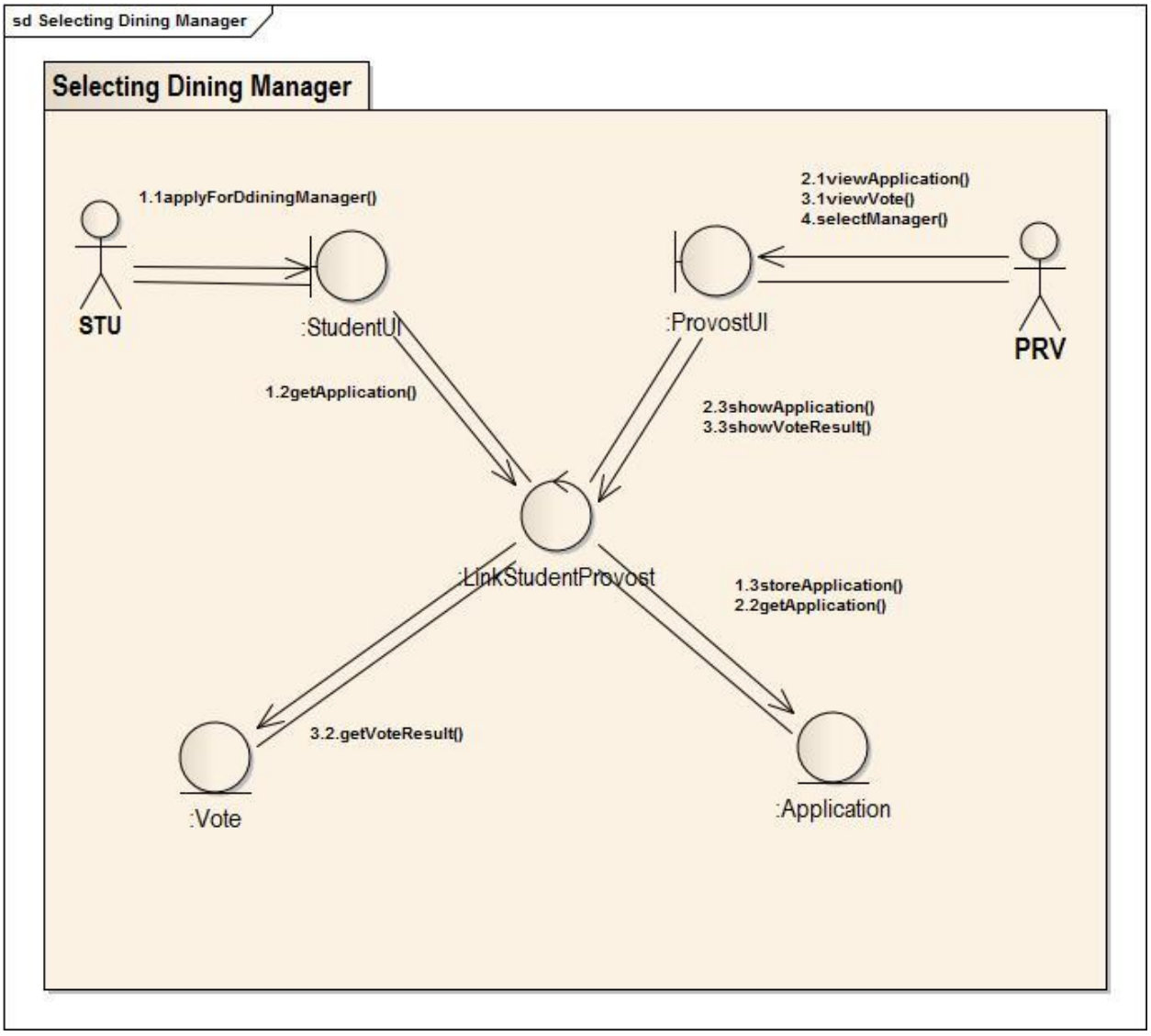
Class diagram:



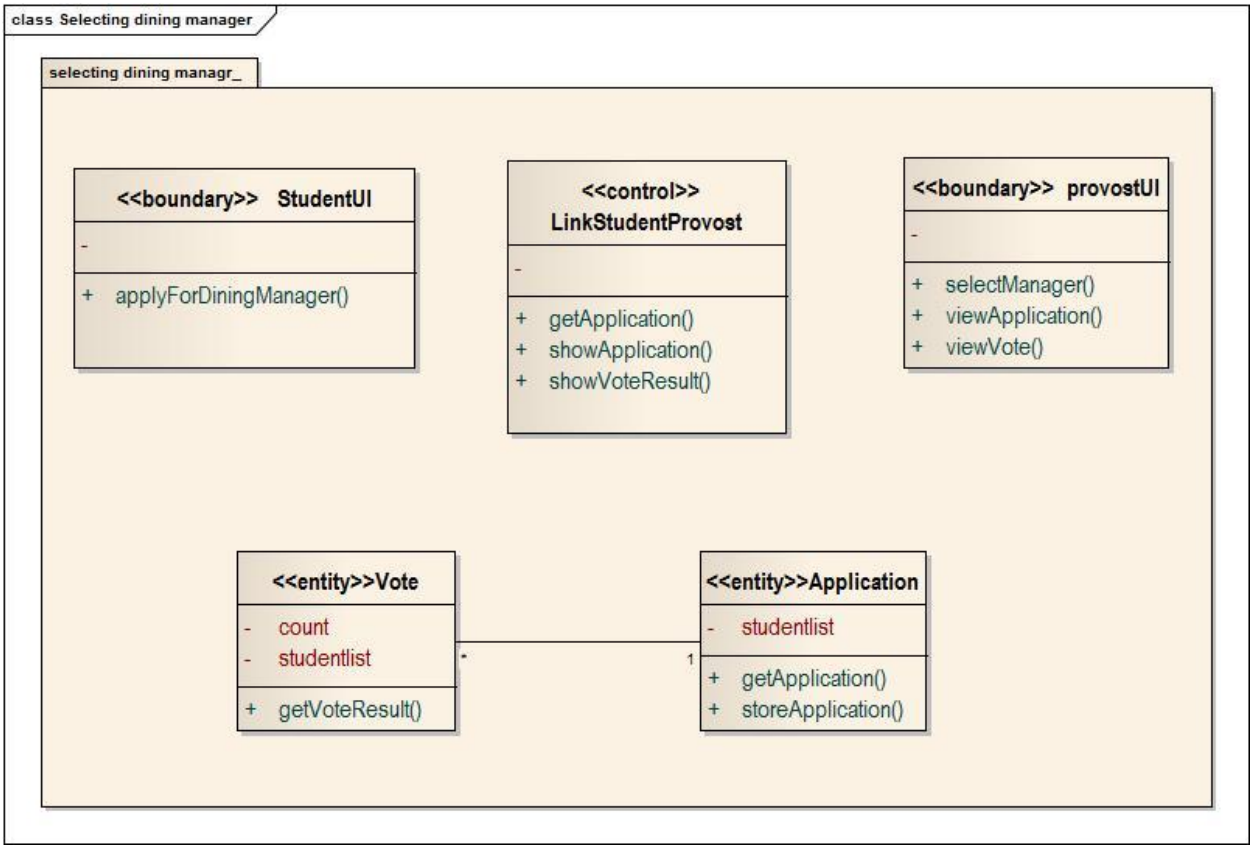
2. Dining management system

2.1 Selecting dining manager

Collaboration diagram:

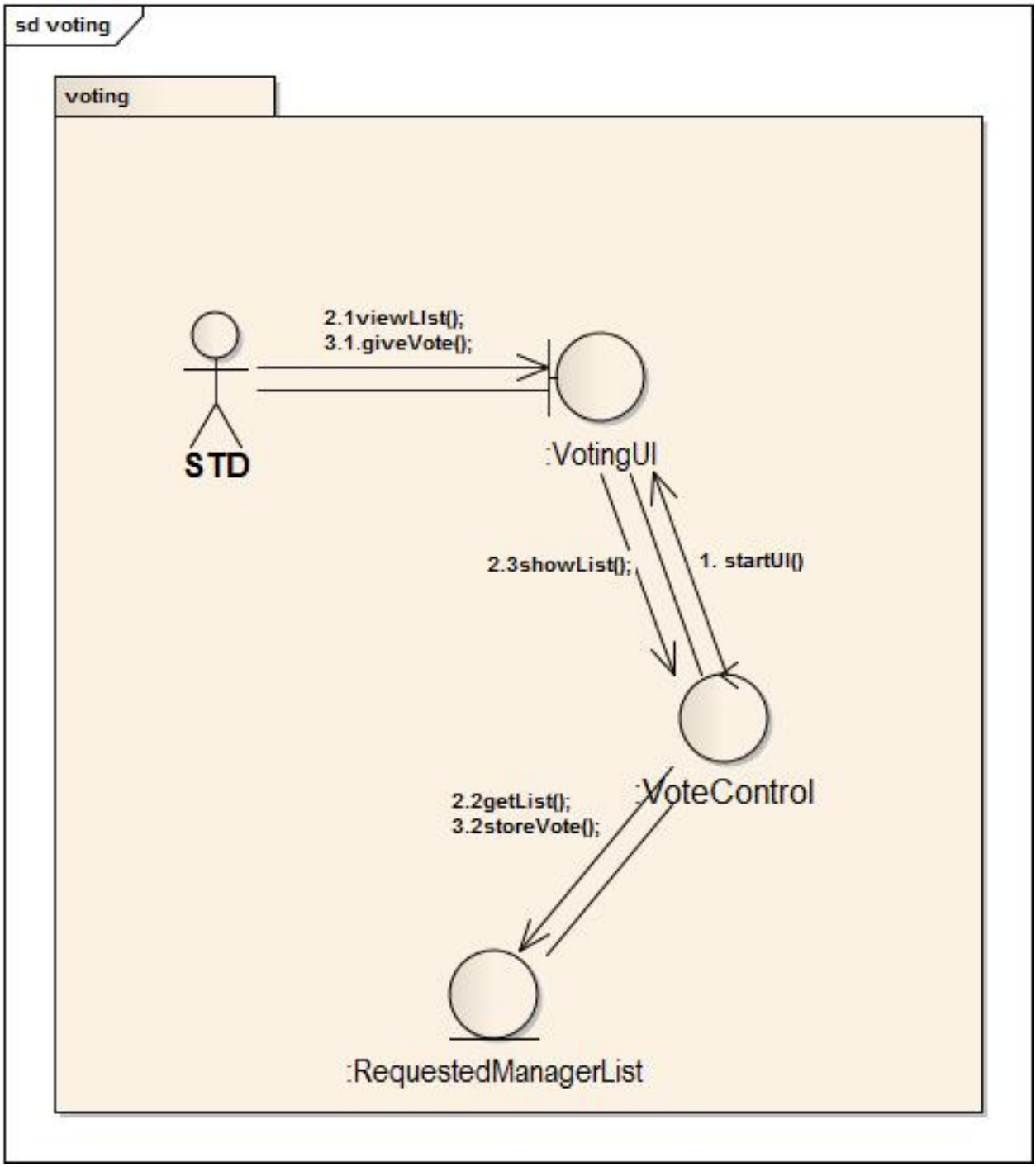


Class diagram:

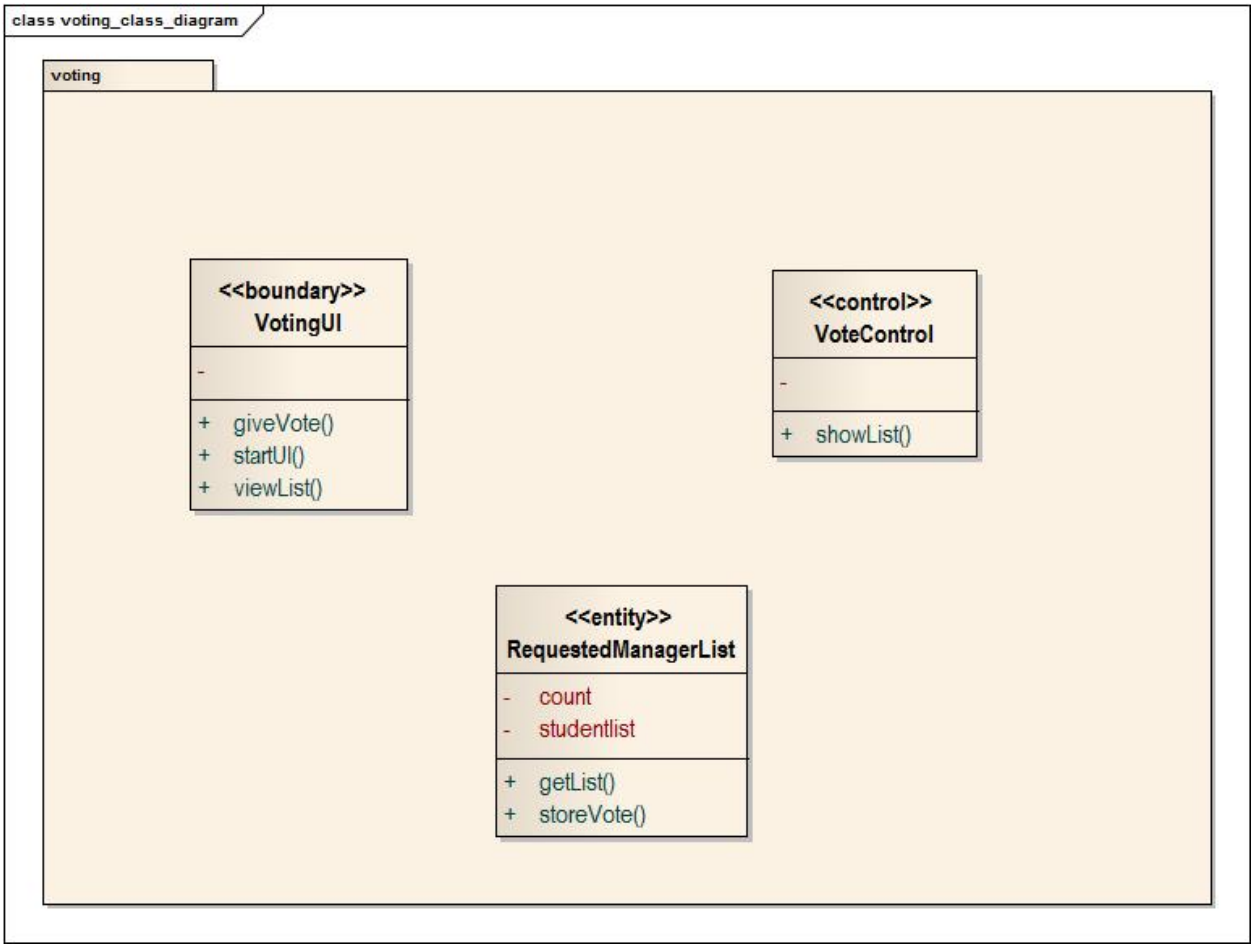


2.2Voting

Collaboration diagram:

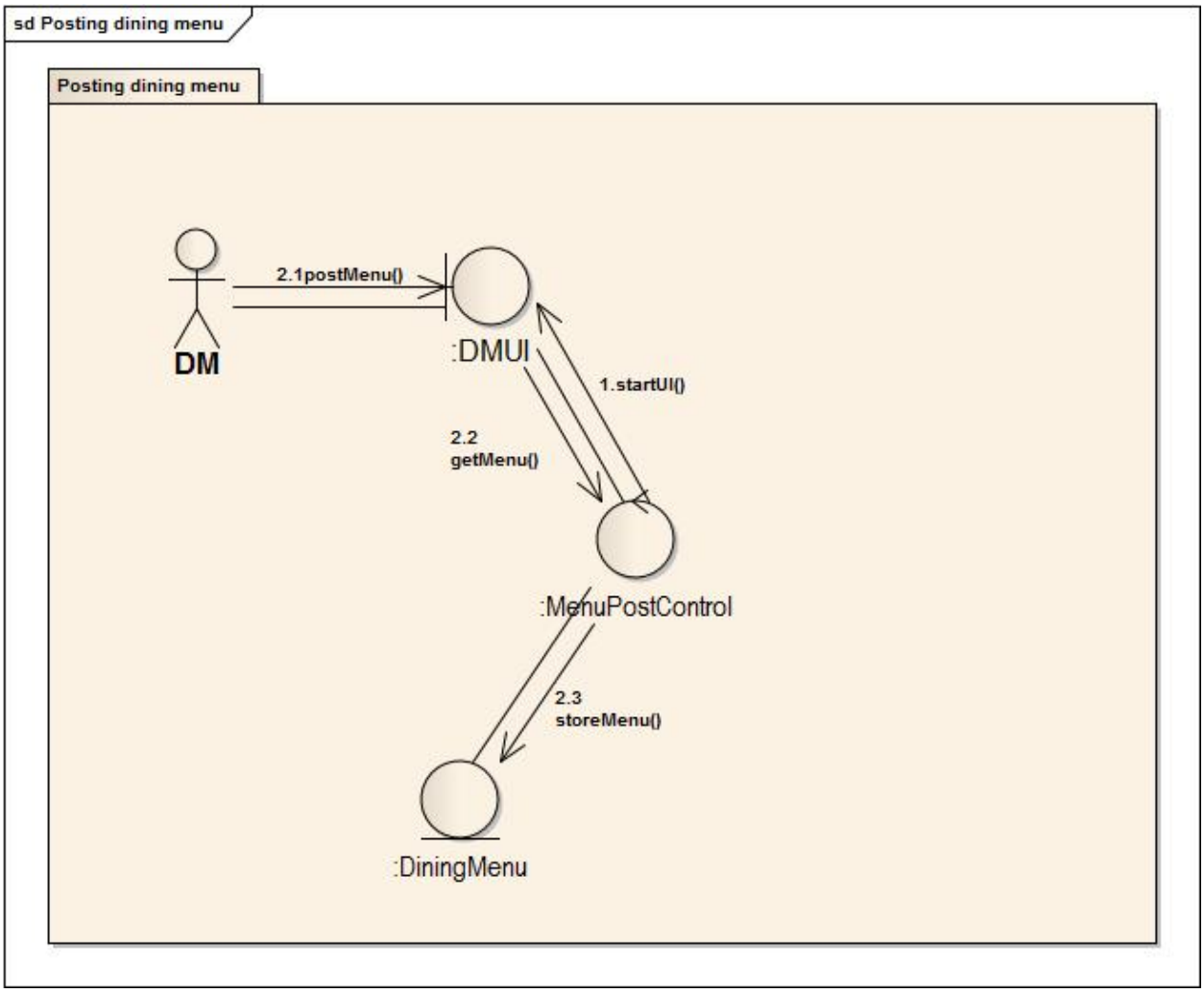


Class diagram:

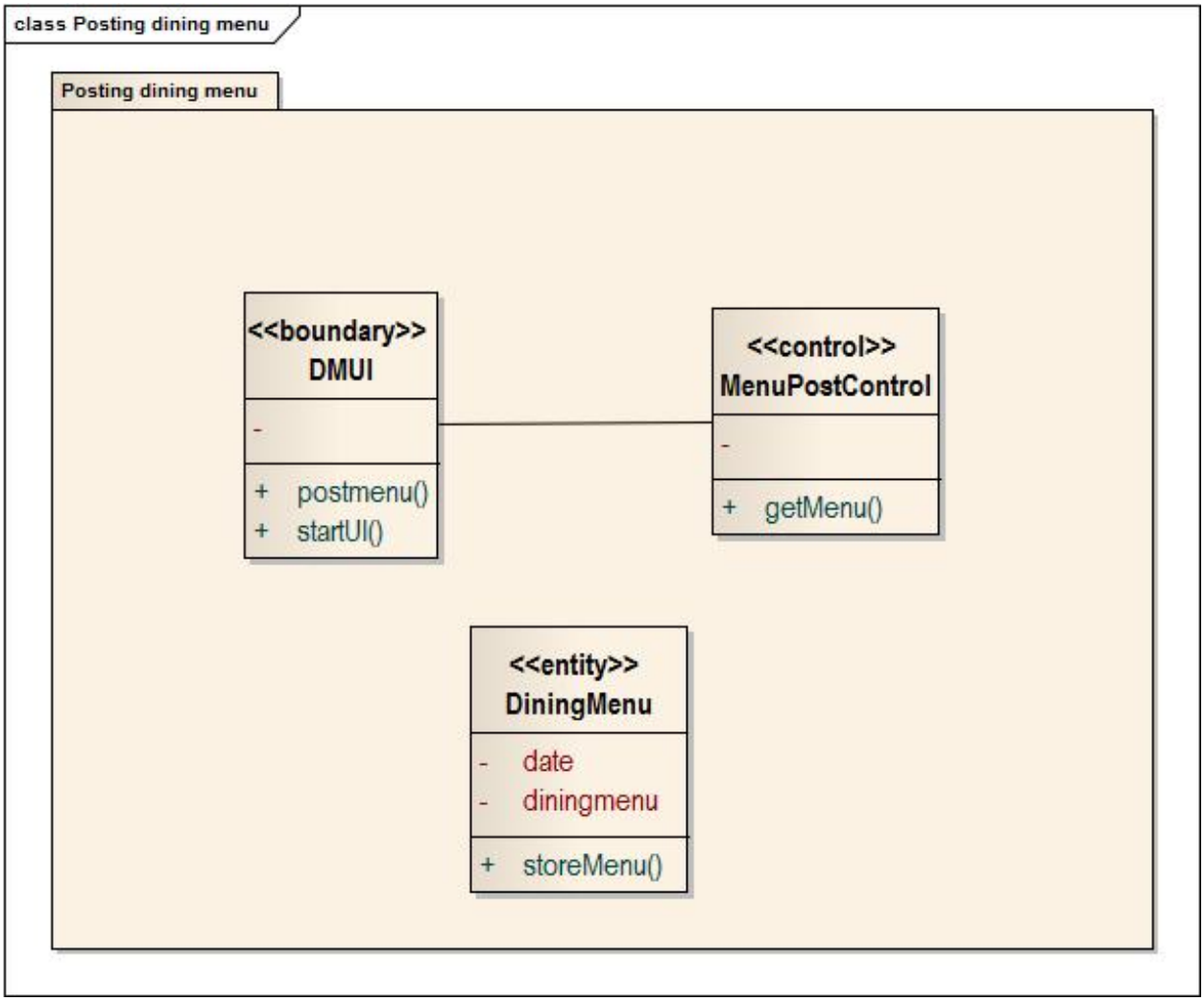


2.3 Posting dinig menu

Collaboration diagram:

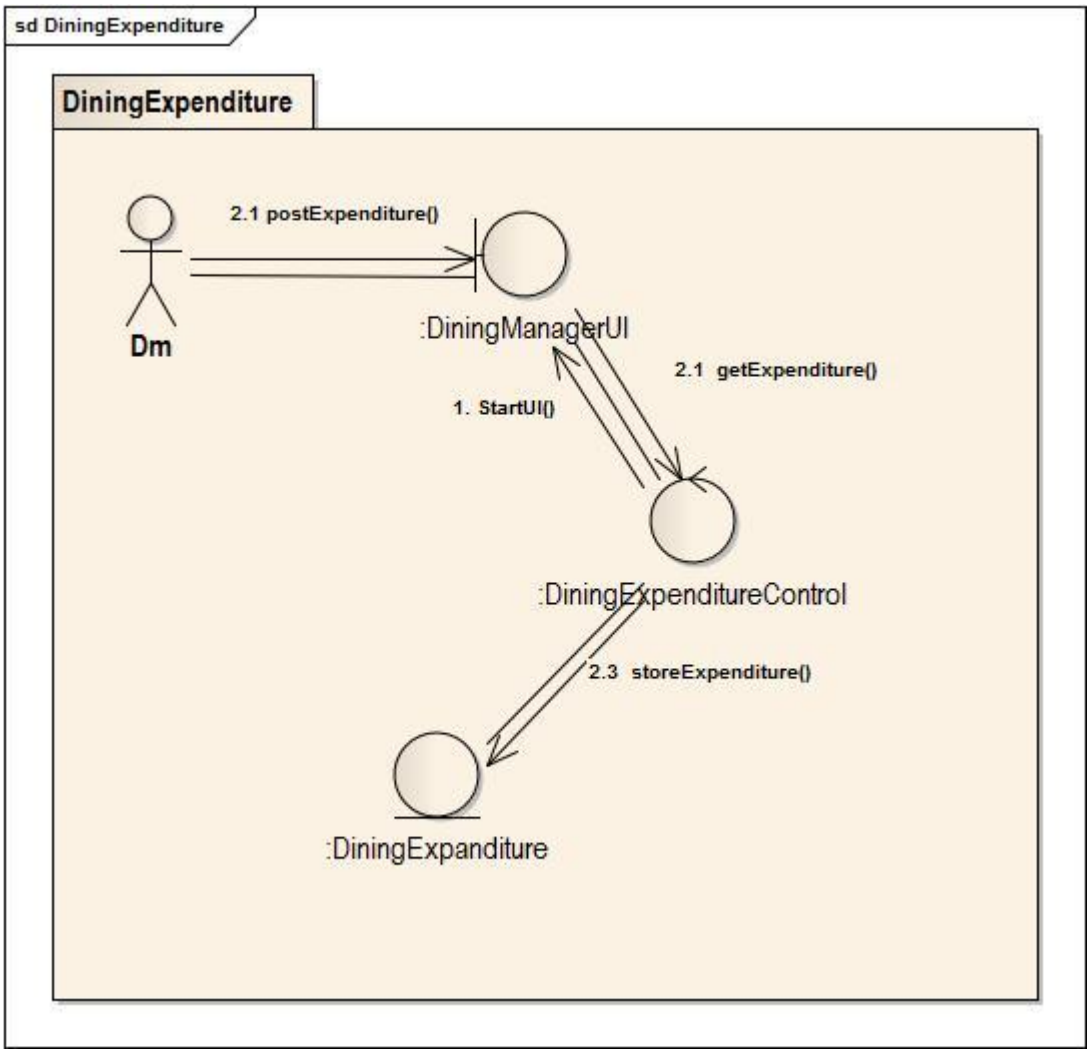


Class diagram:

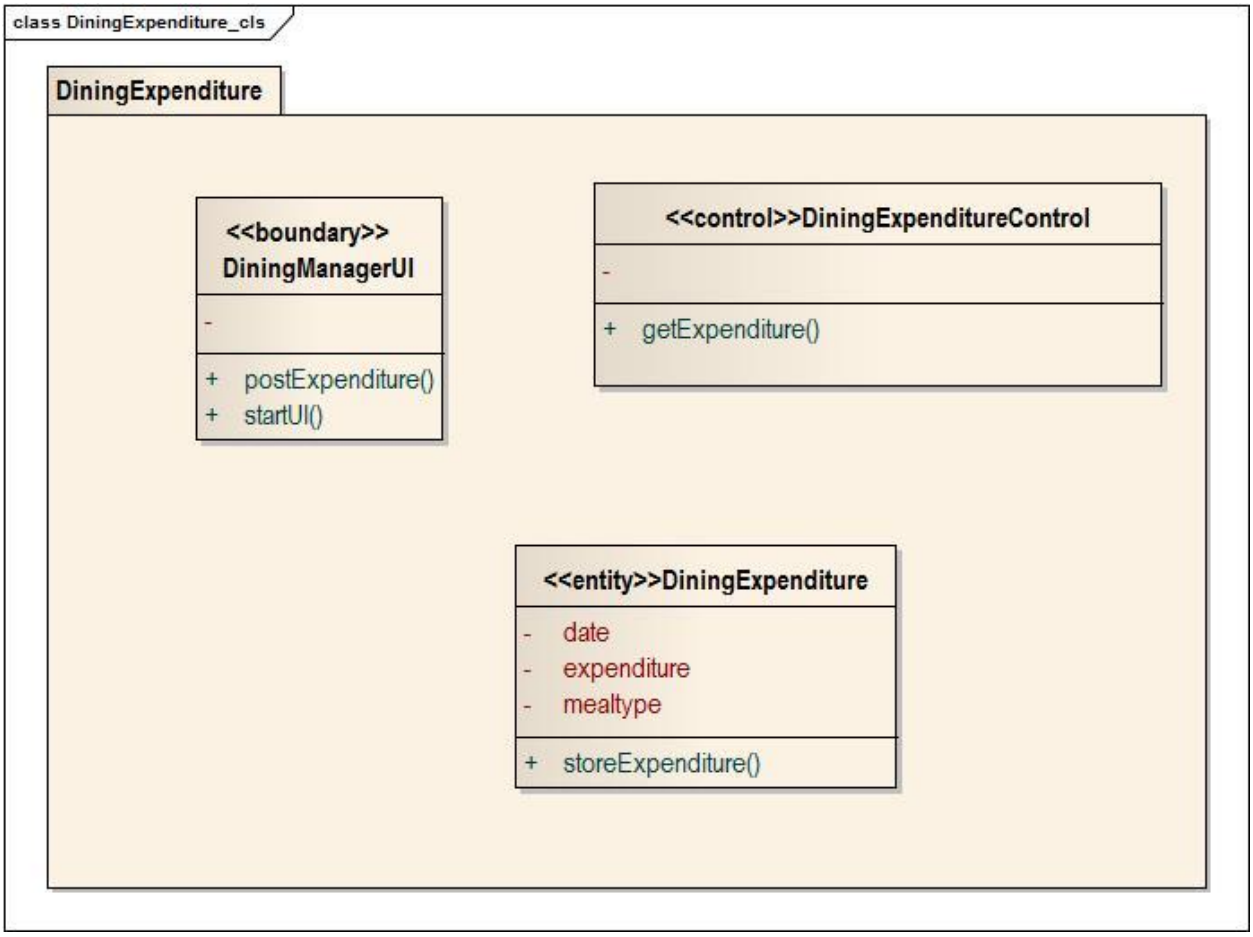


2.4 Dining expenditure

Collaboration diagram:

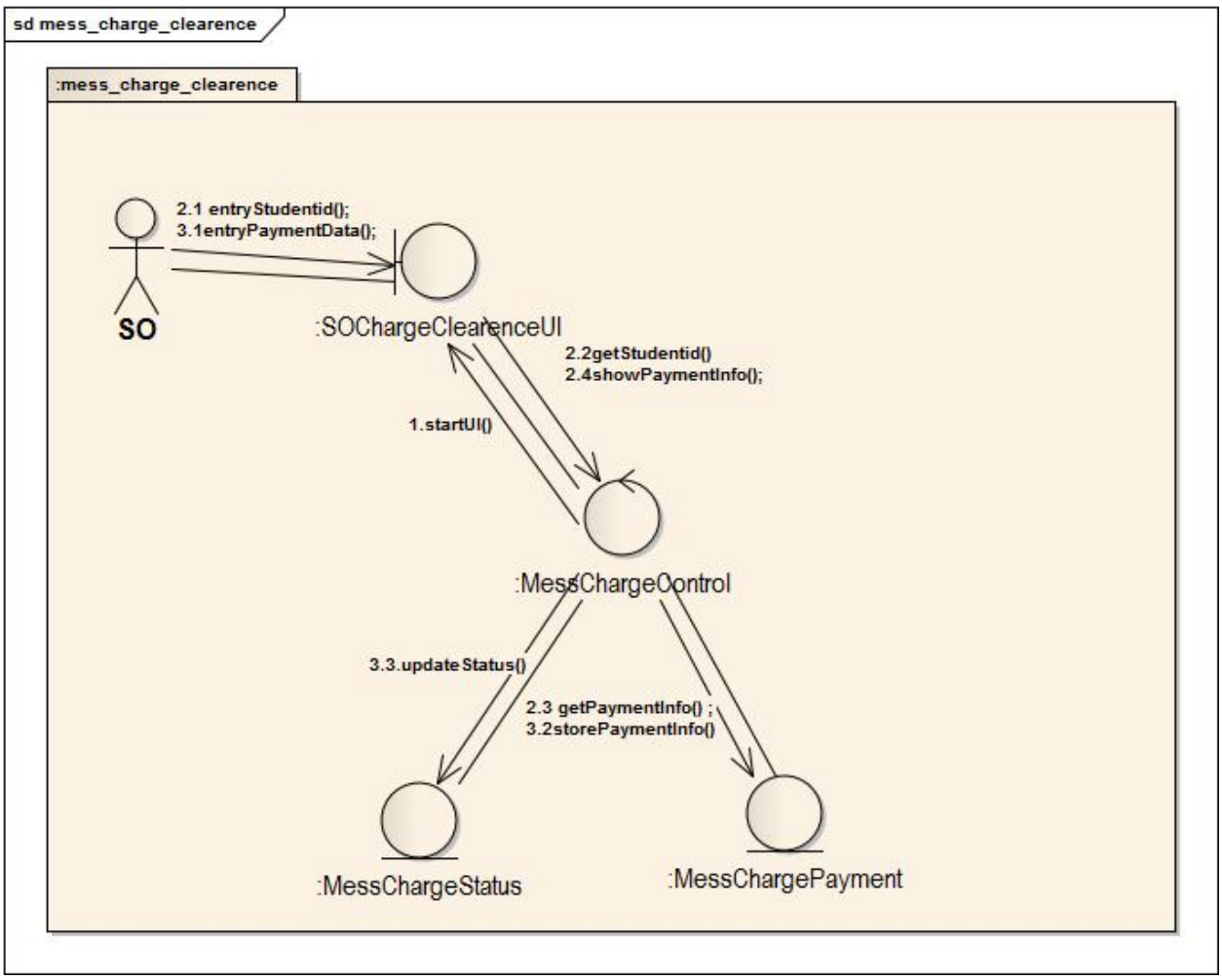


Class diagram:

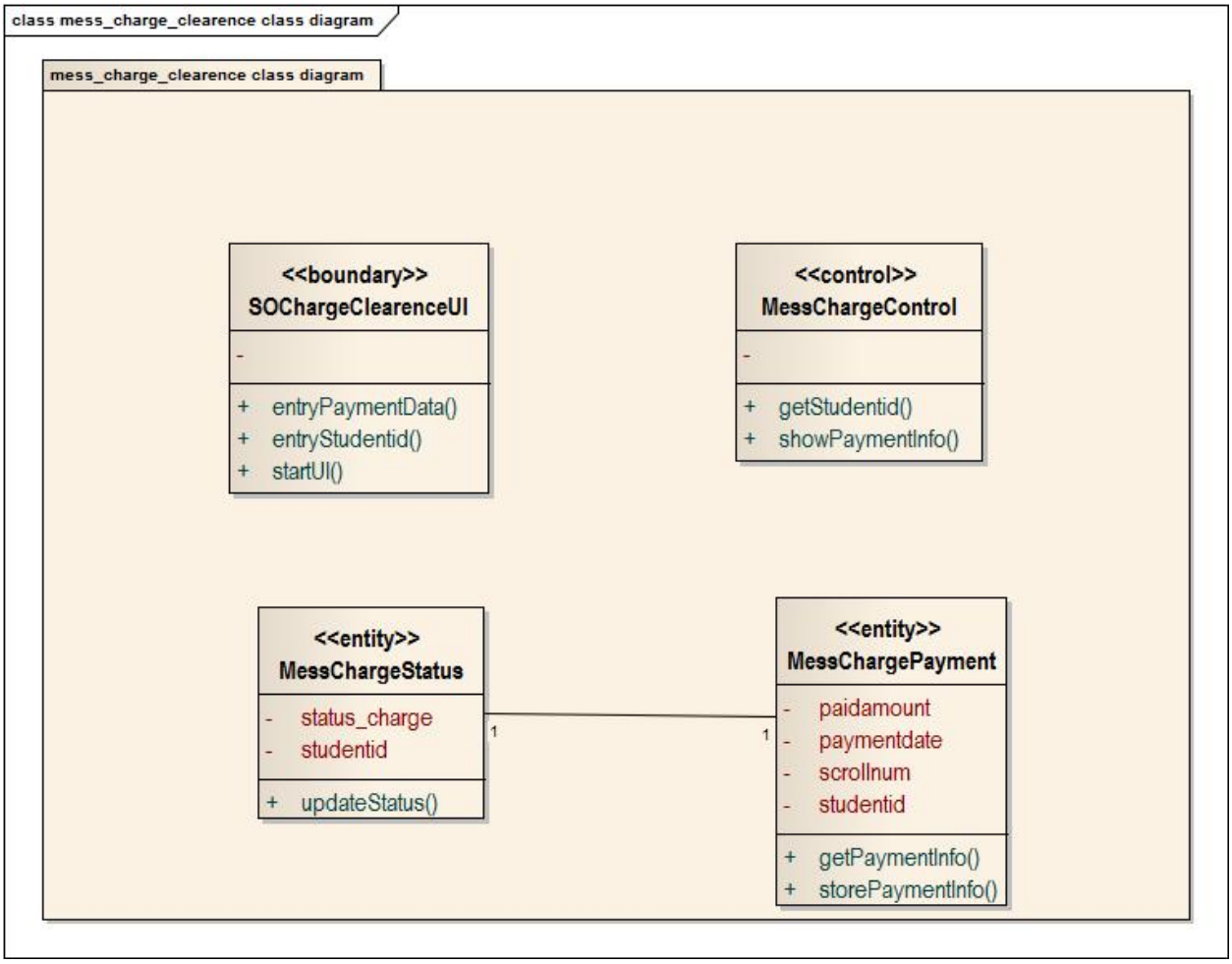


2.5 Mess charge Clearance

Collaboration diagram:

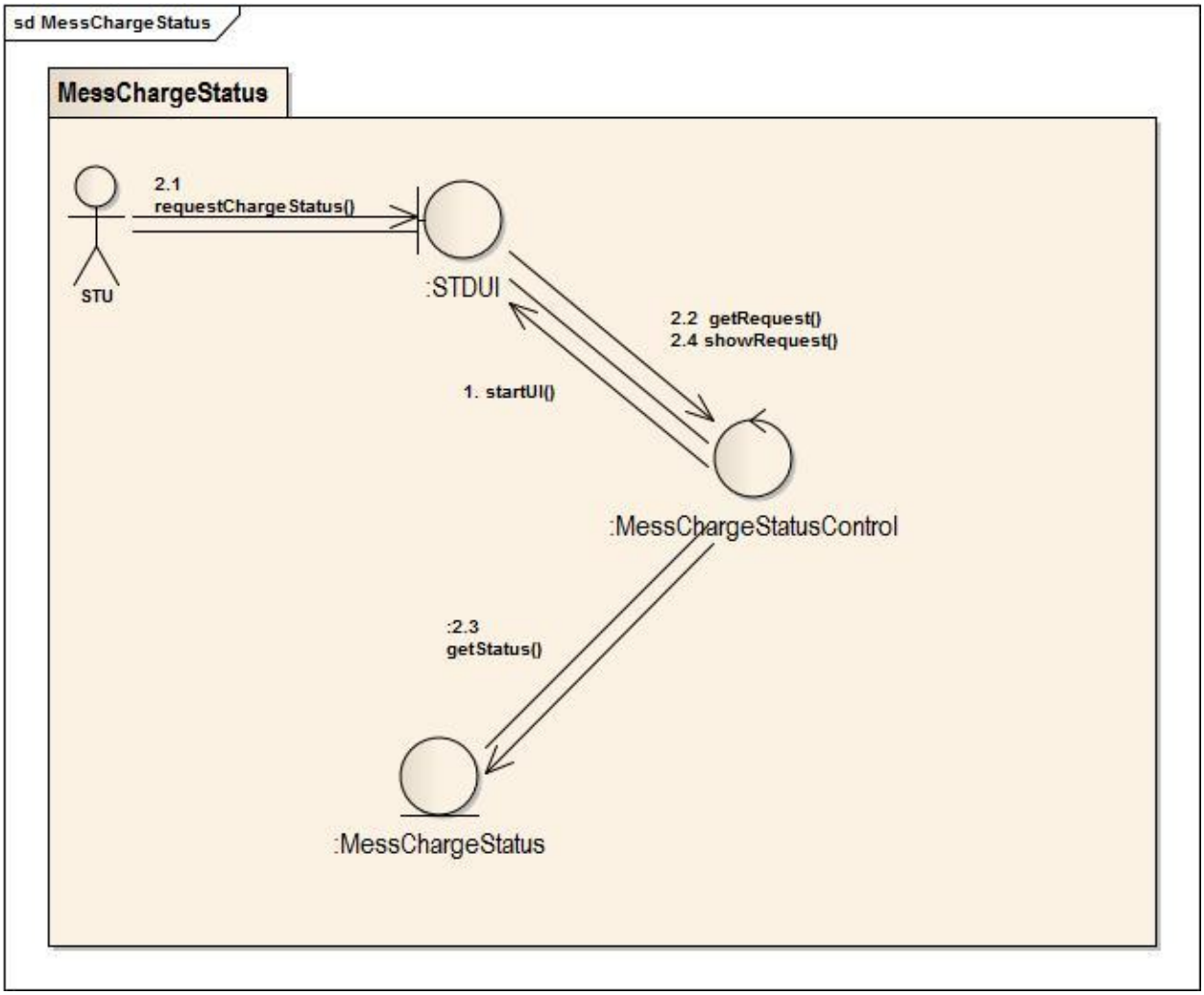


Class diagram:

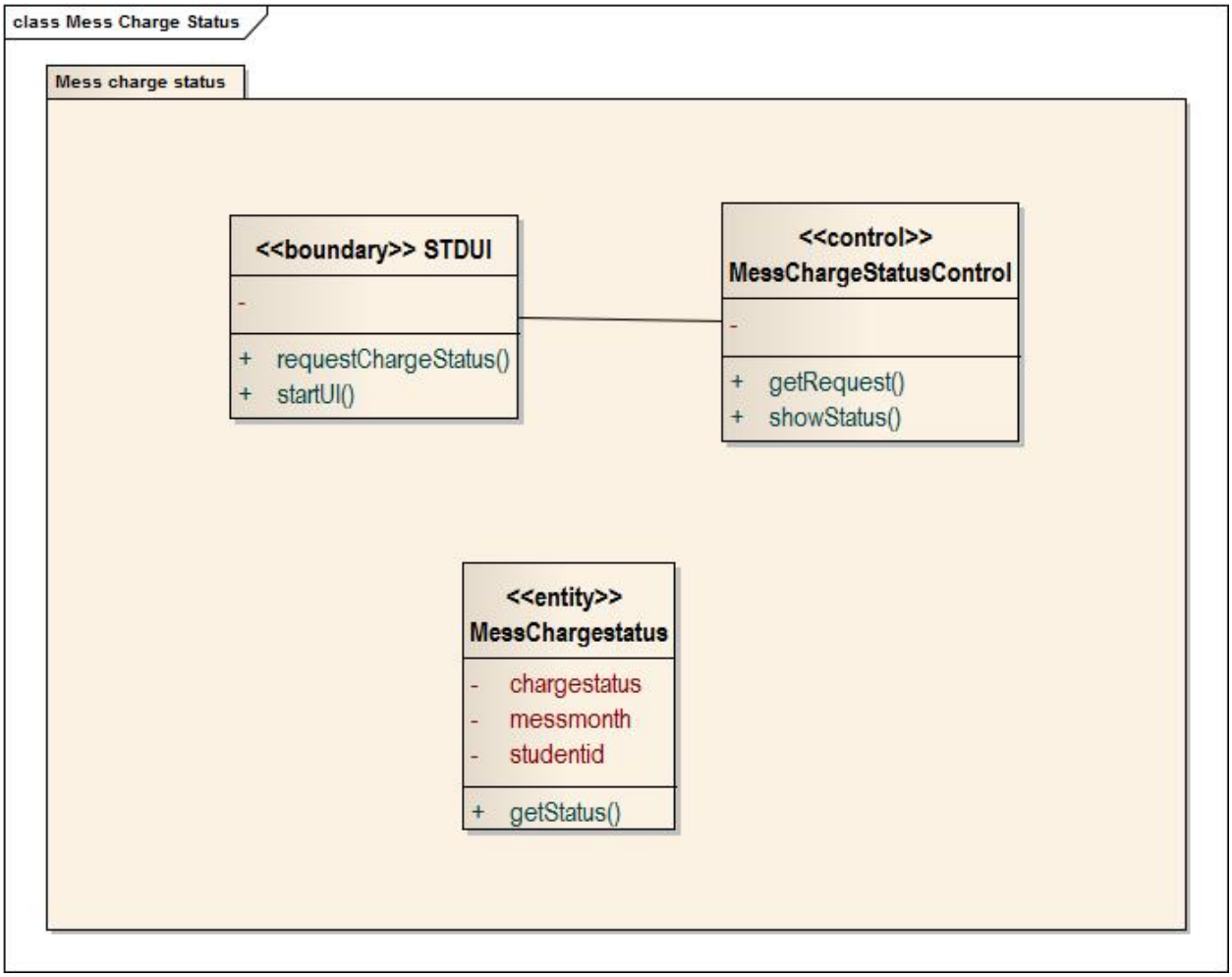


2.6 Mess charge status

Collaboration diagram:

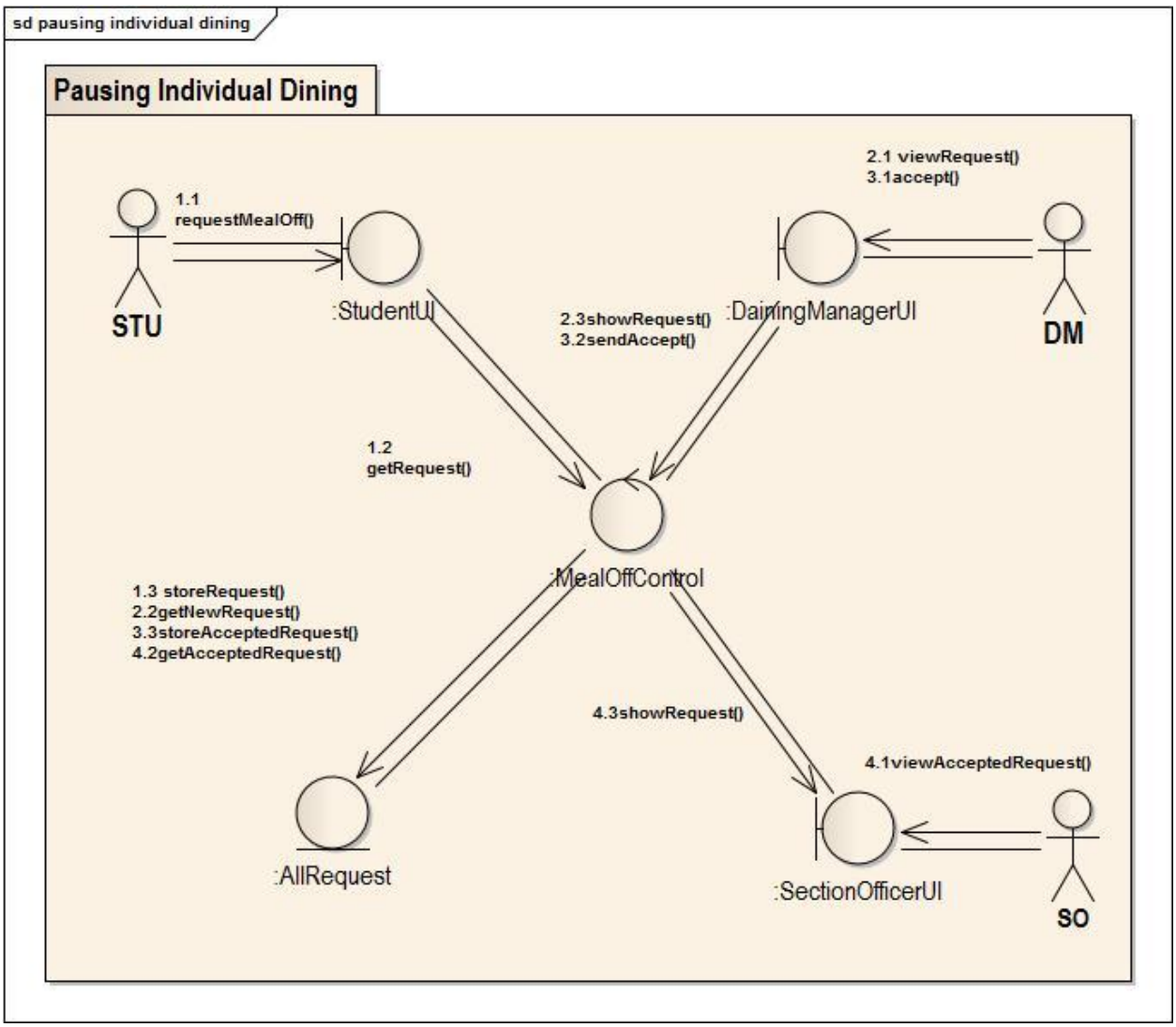


Class diagram:

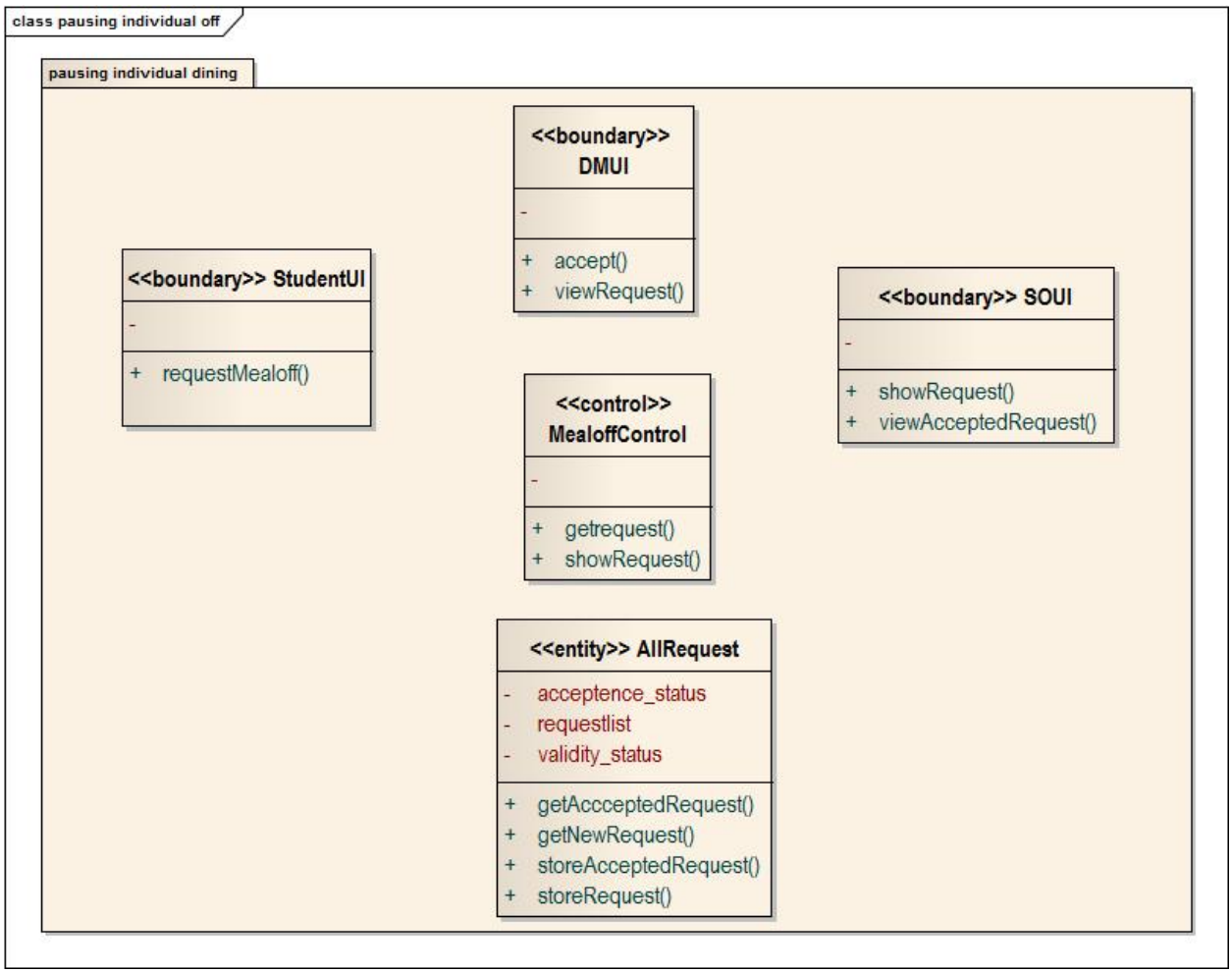


2.8 Pausing individual's dining

Collaboration diagram:



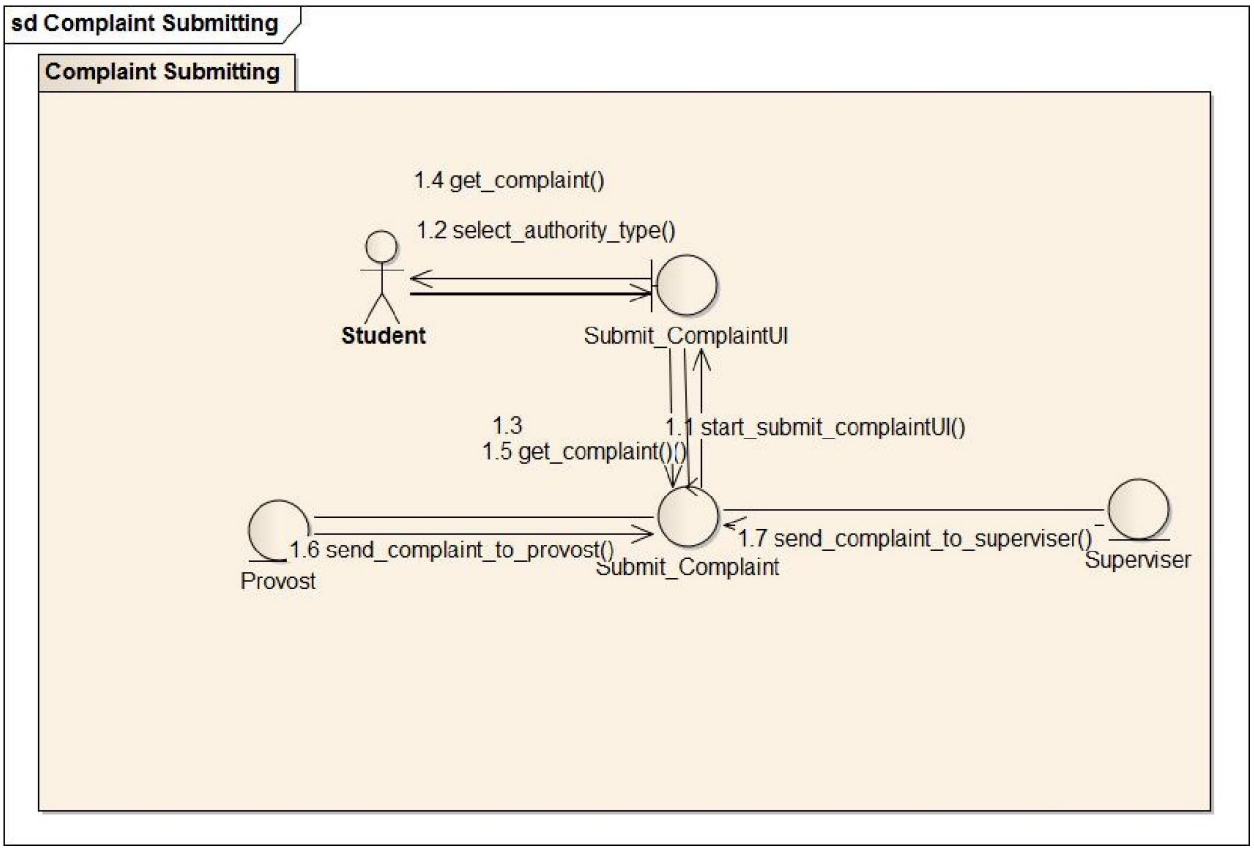
Class diagram


class pausing individual off
pausing individual dining
<<boundary>> StudentUI
-
+ requestMealoff()
<<boundary>> DMUI
-
+ accept()
+ viewRequest()
<<control>> MealoffControl
-
+ getrequest()
+ showRequest()
<<entity>> AllRequest
- acceptence_status
- requestlist
- validity_status
+ getAccceptedRequest()
+ getNewRequest()
+ storeAcceptedRequest()
+ storeRequest()
<<boundary>> SOUI
-
+ showRequest()
+ viewAcceptedRequest()

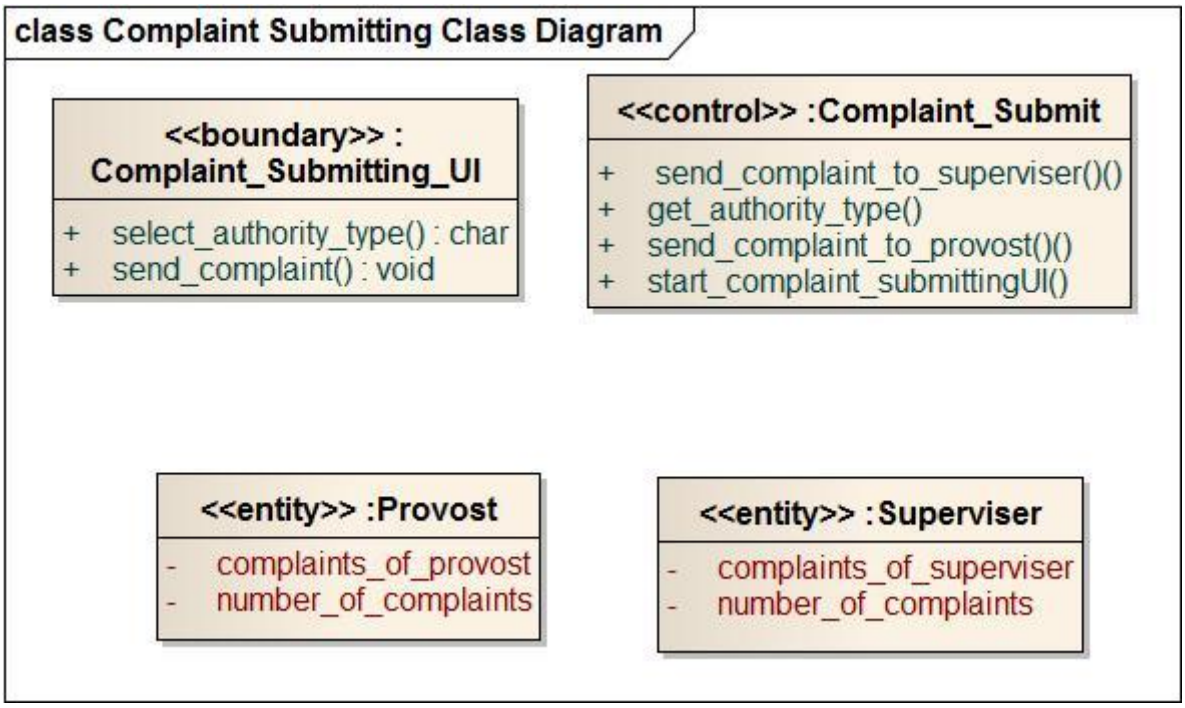
3. Application and complaint system

3.1 Complaint submitting

Collaboration diagram:

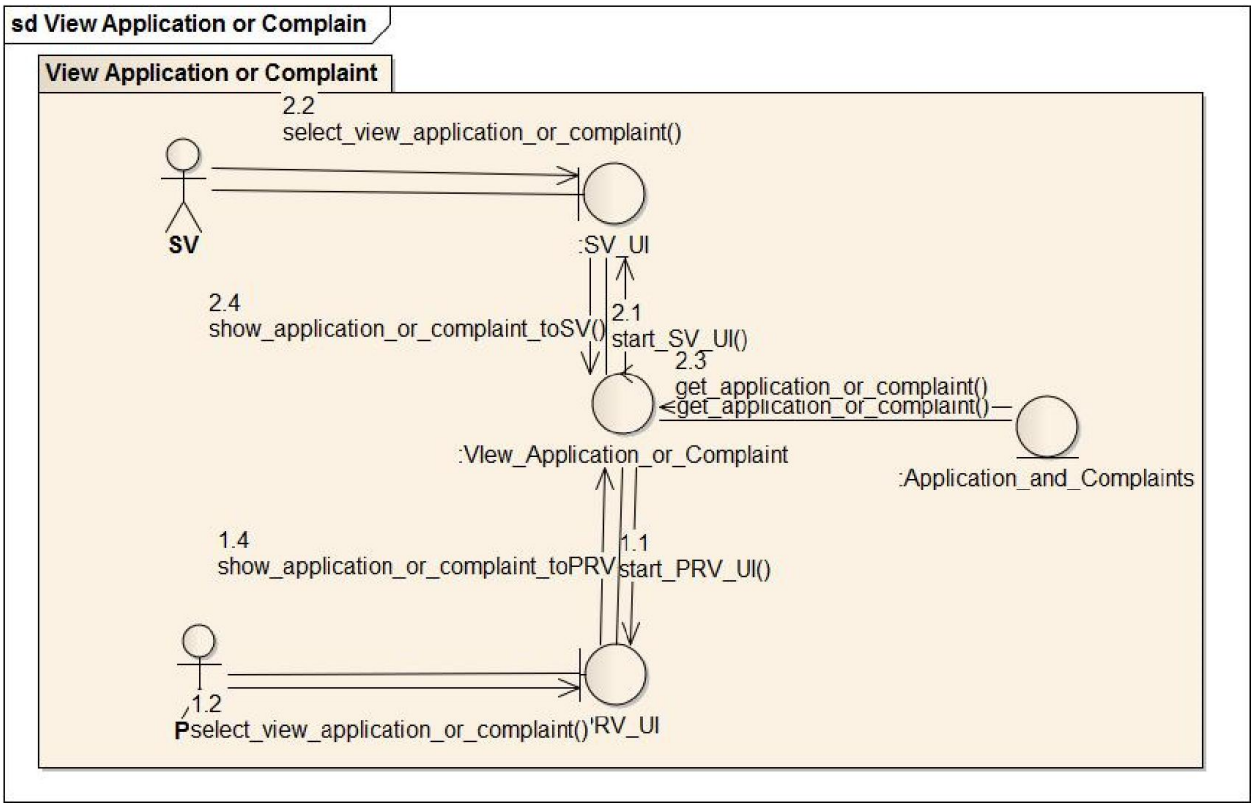


Class diagram:

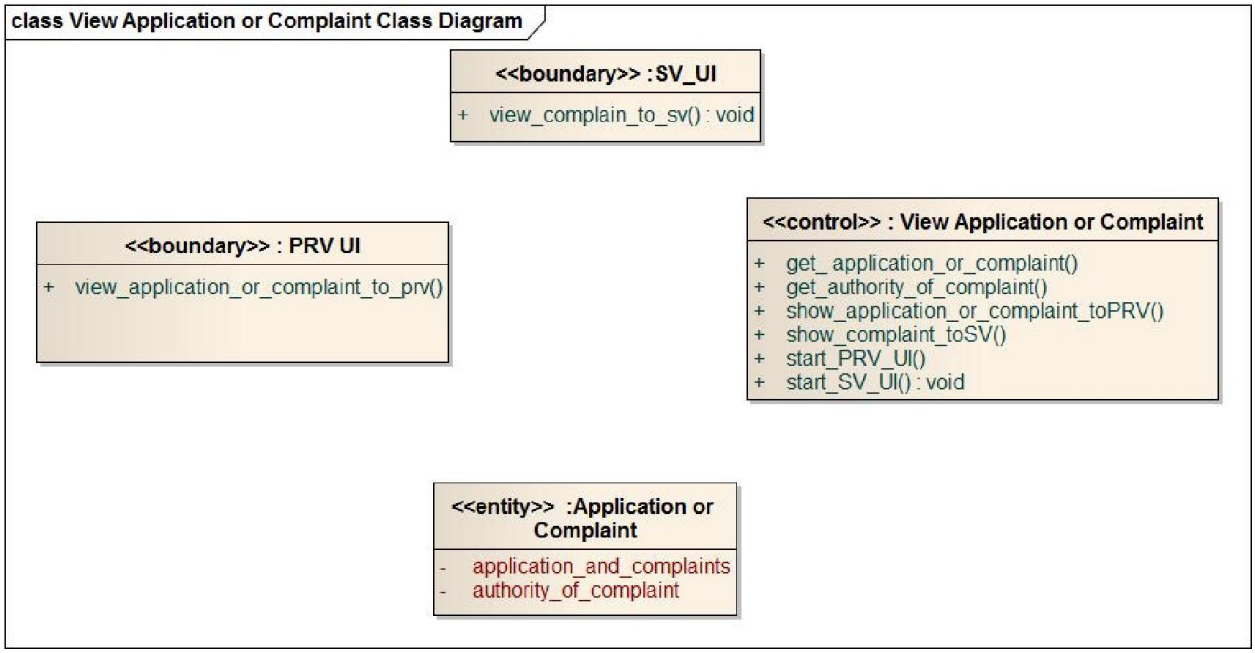


3.2 view complaint:

Collaboration diagram:

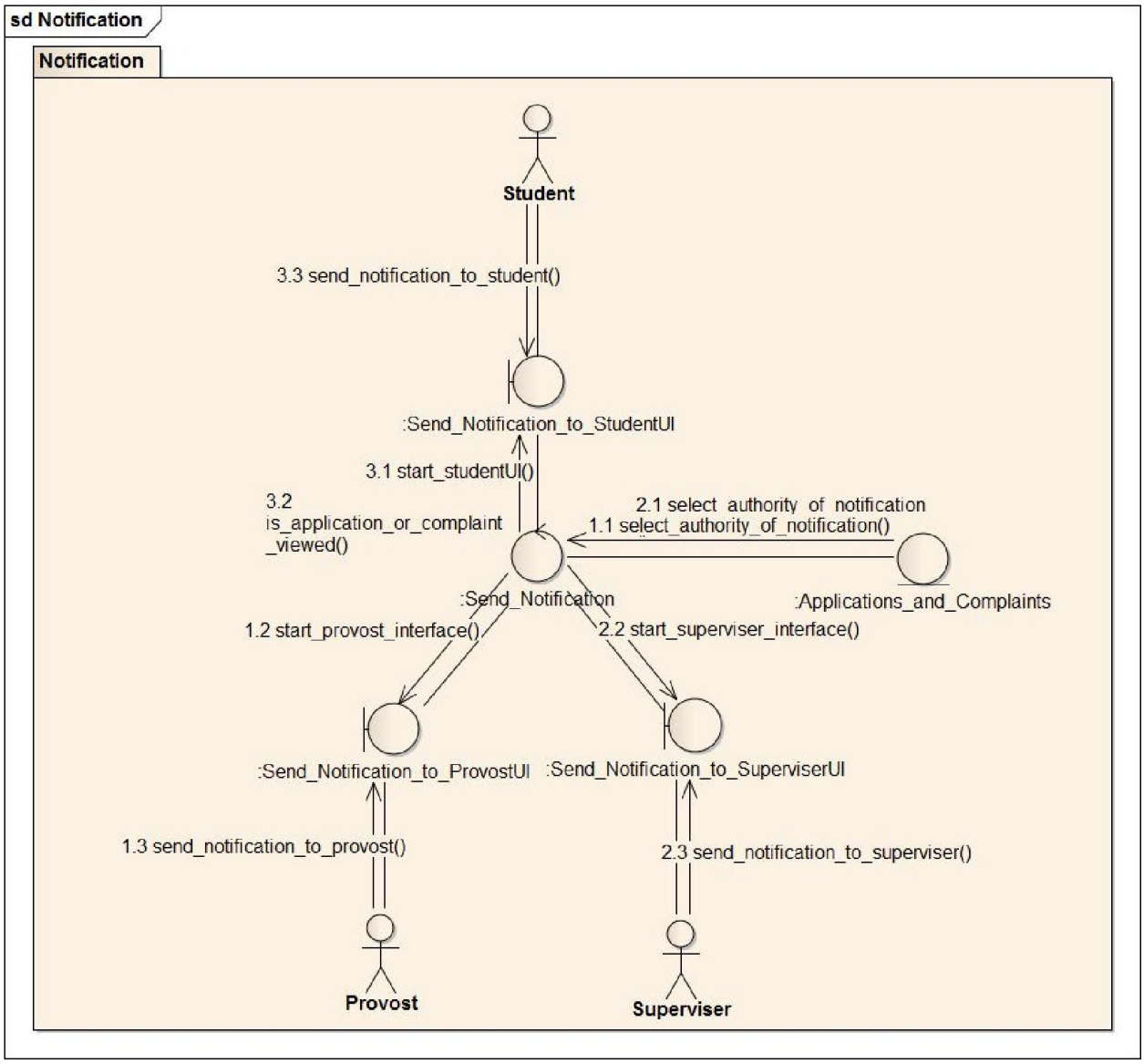


Class diagram:

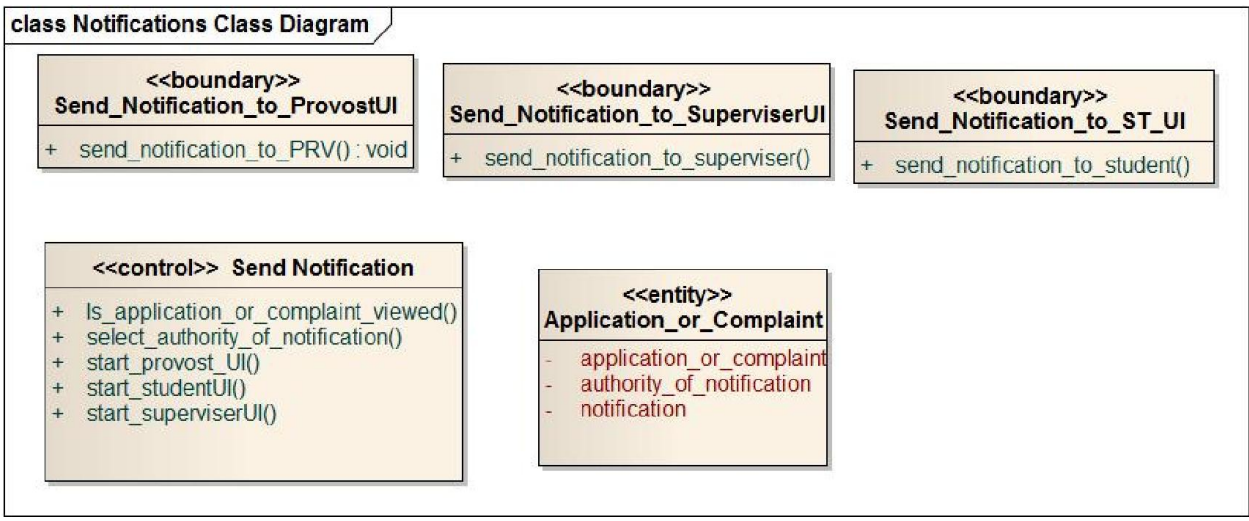


3.3 Notification:

Collaboration system:



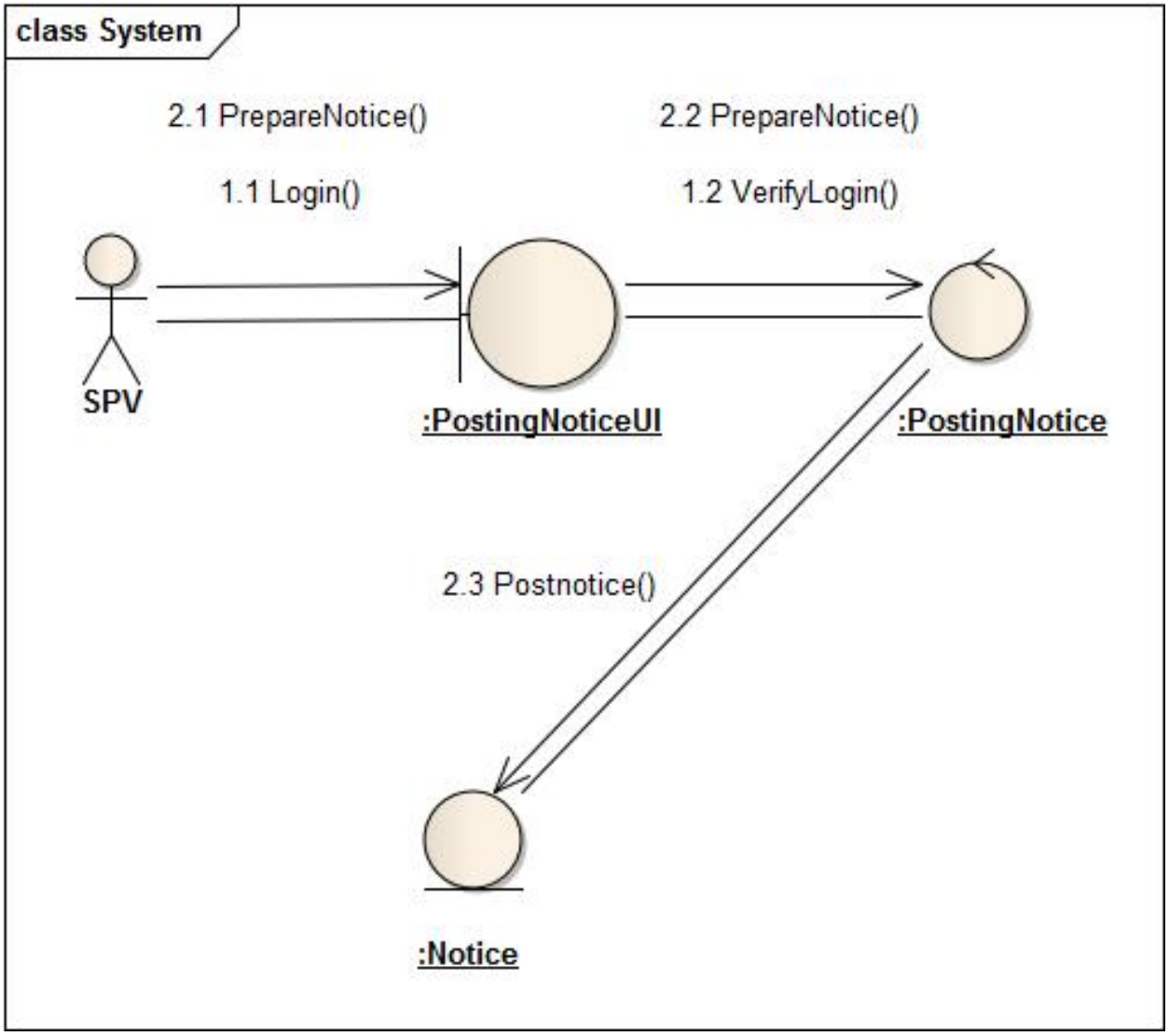
Class diagram:



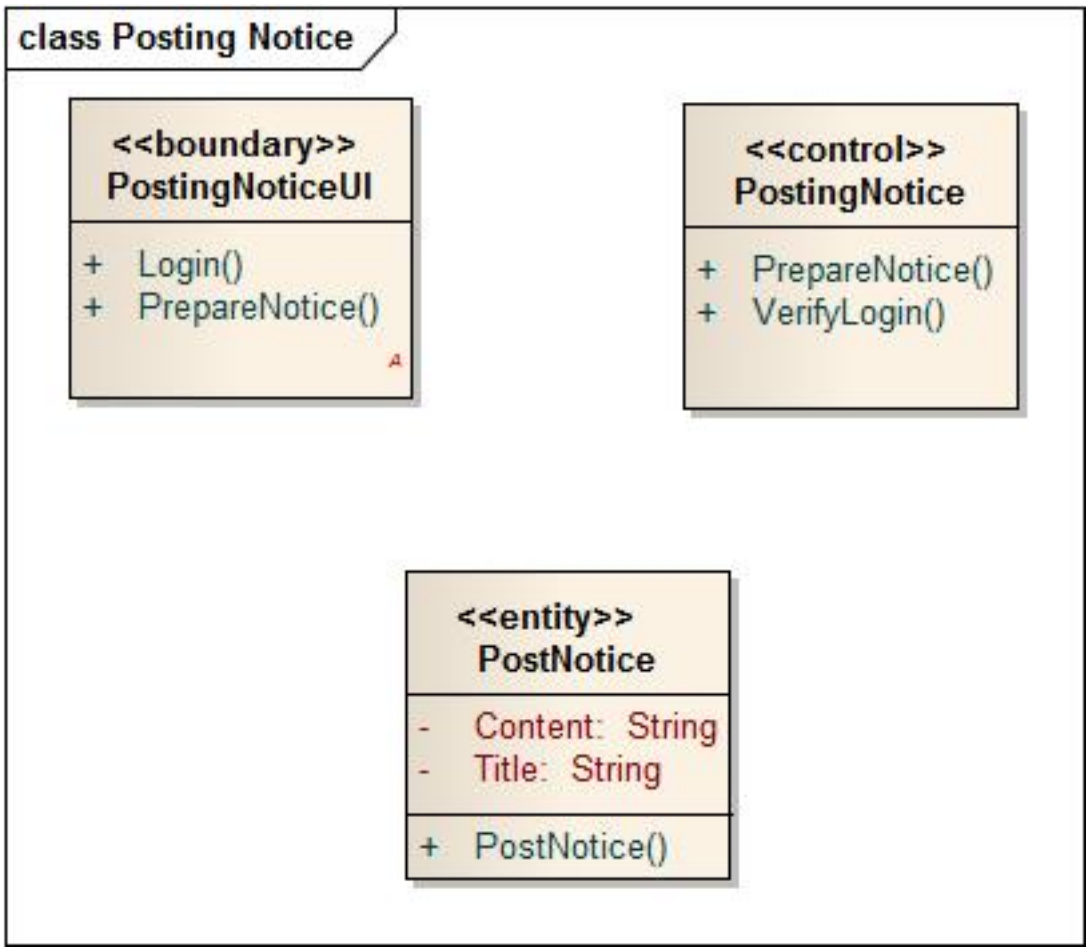
4. Notice Board

4.1 Posting Notice

Collaboration diagram:

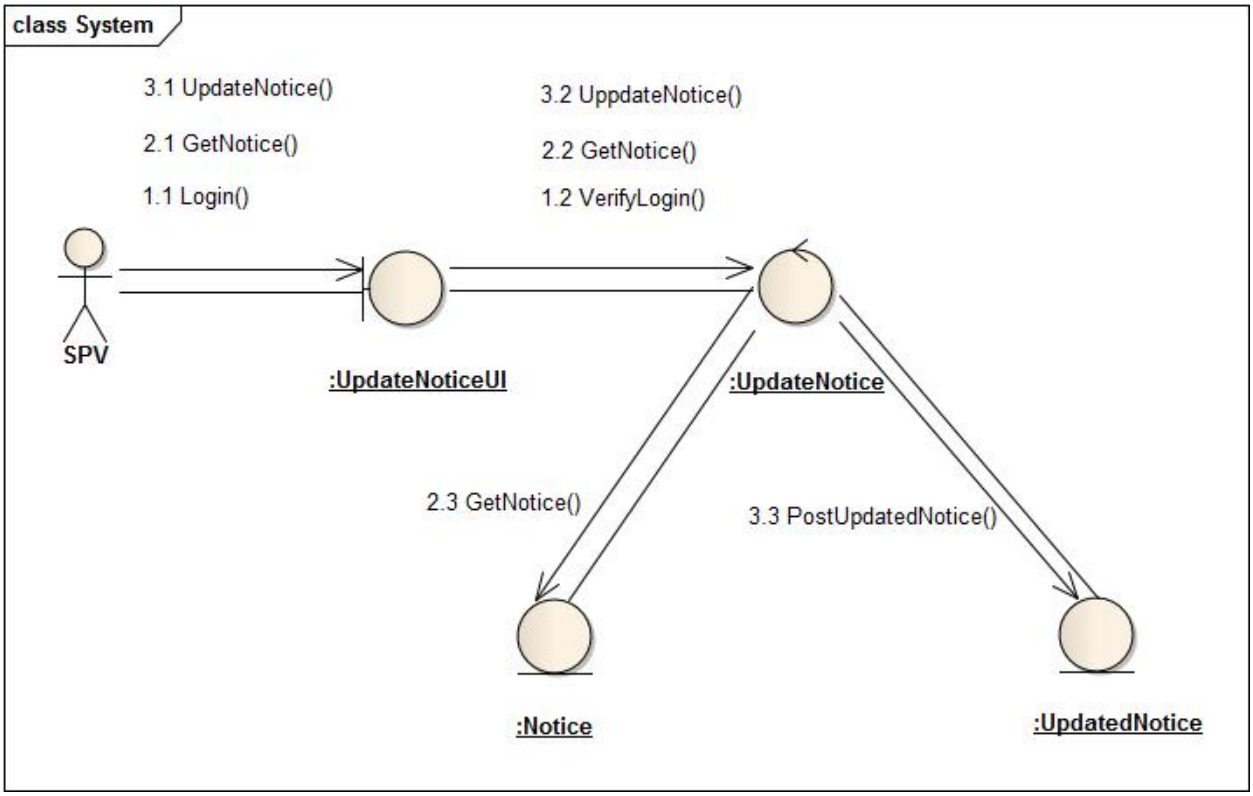


Class diagram

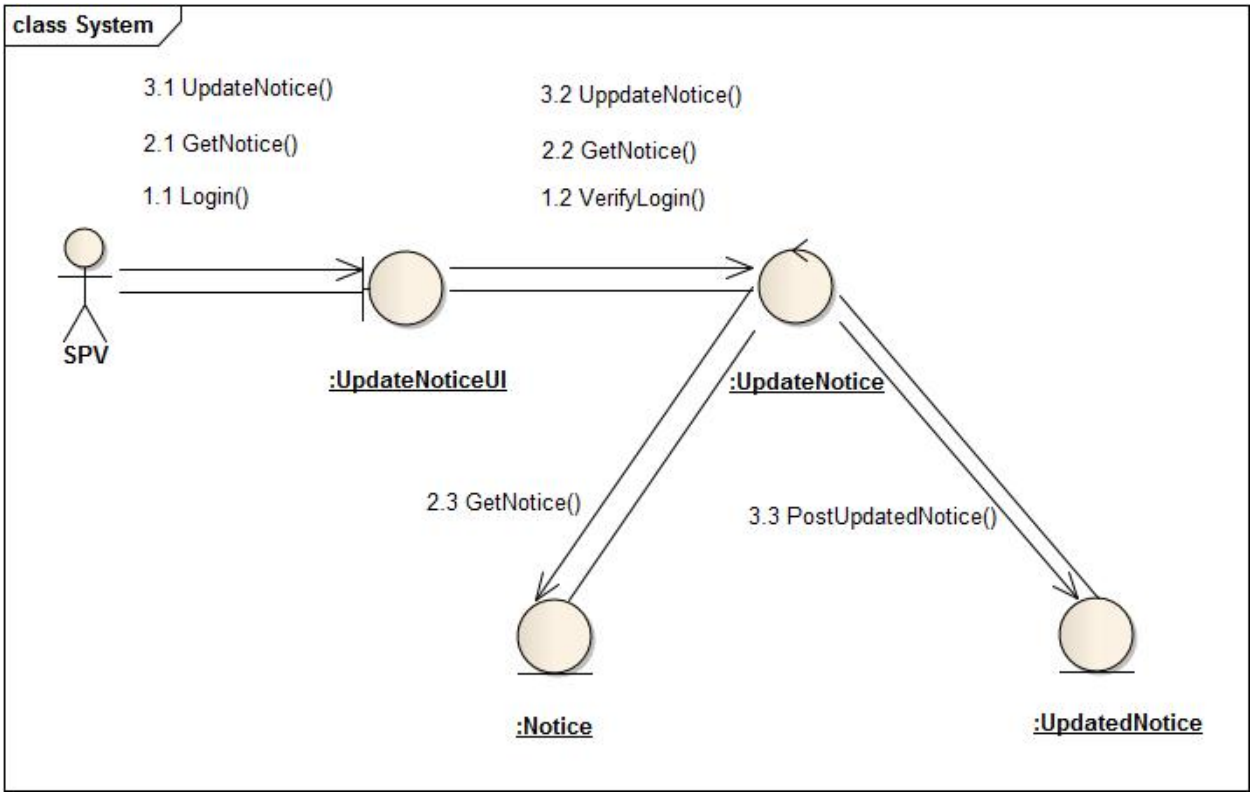


4.2 Updating Notice

Collaboration diagram:

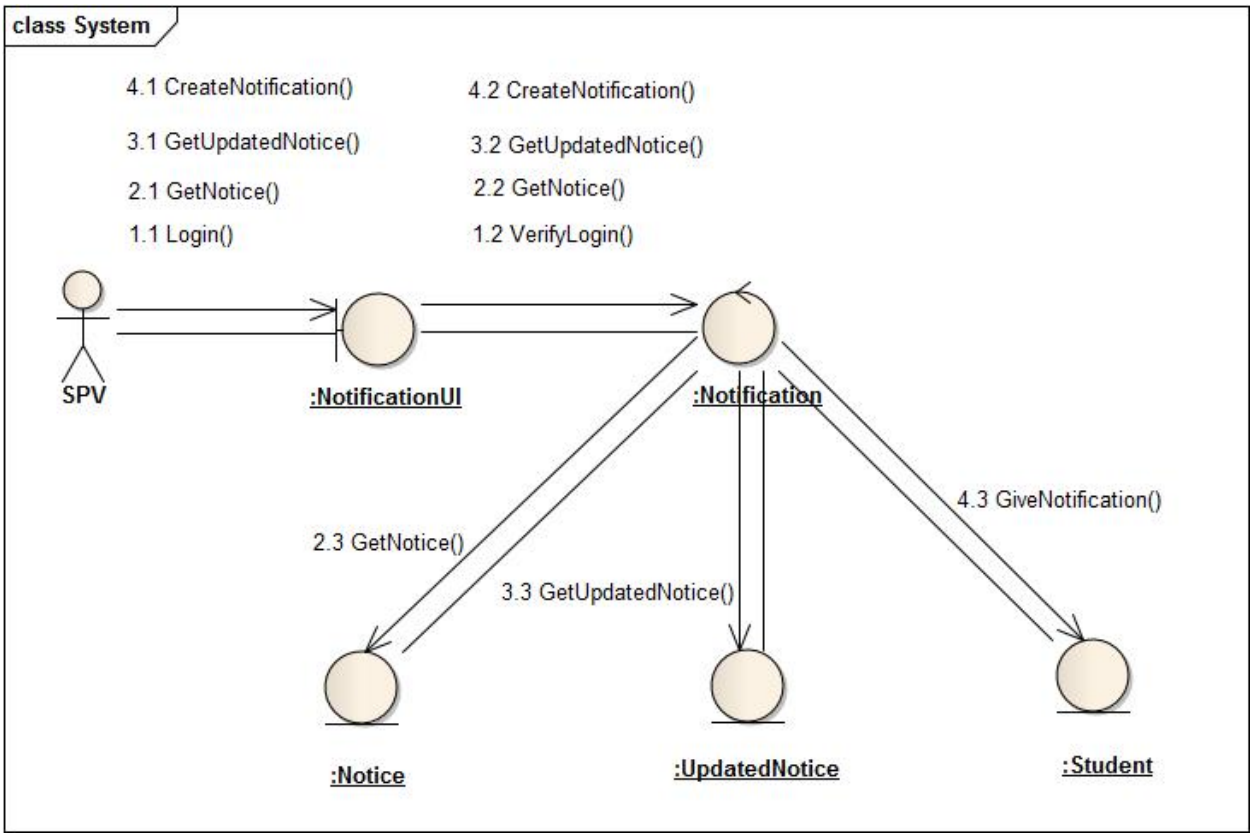


Class diagram

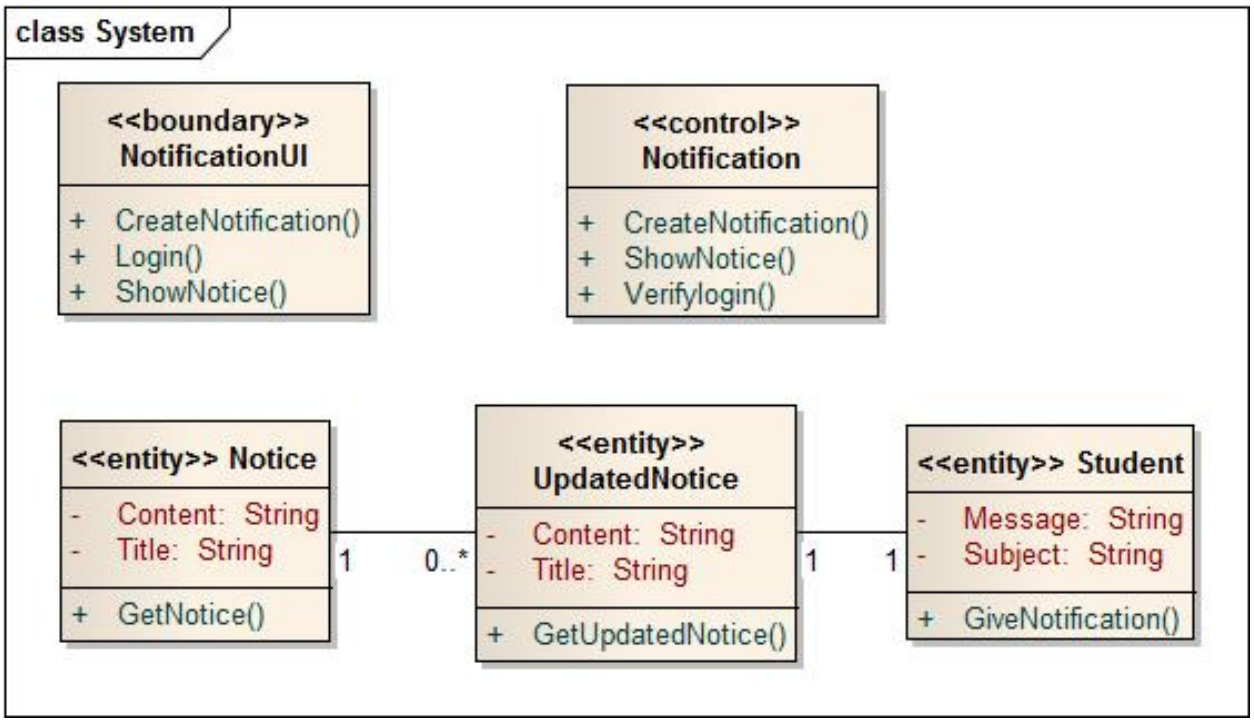


4.3 Notification

Collaboration diagram:

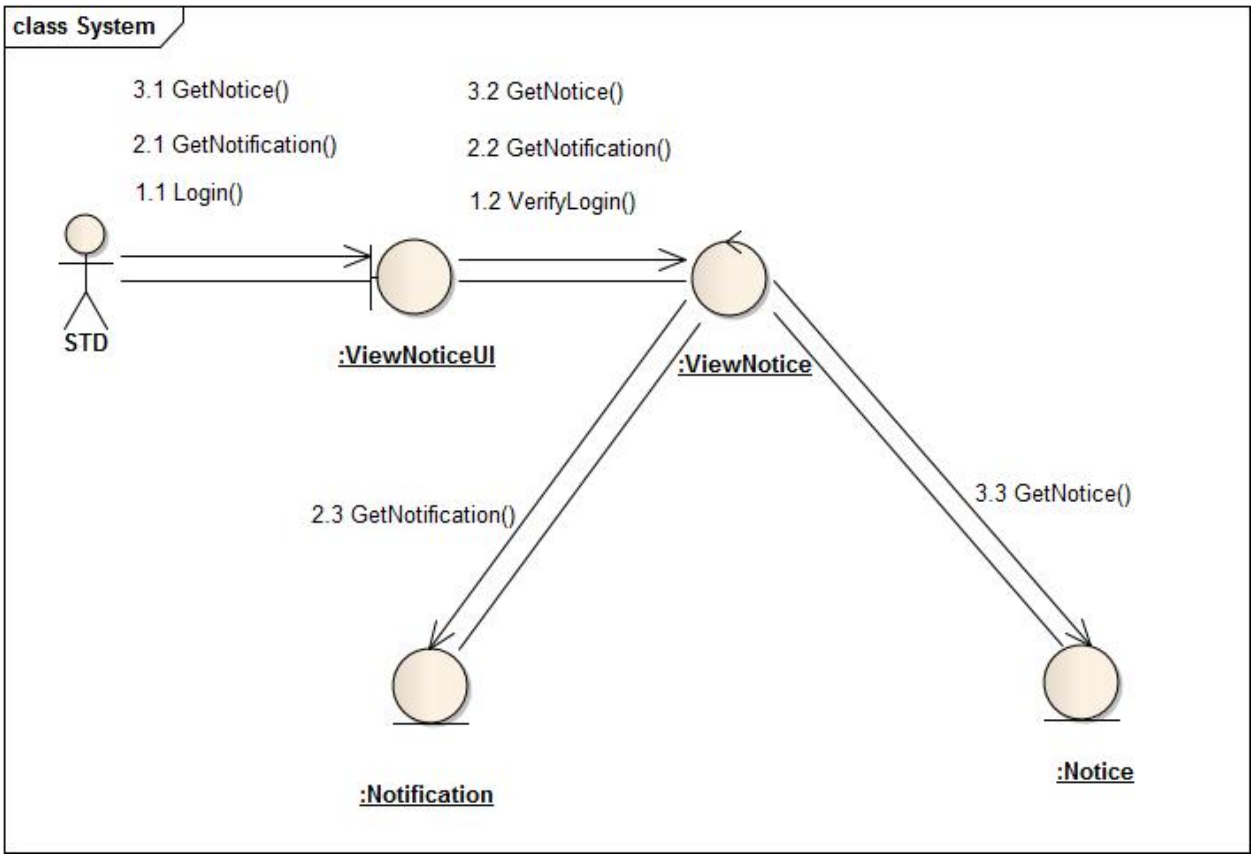


Class diagram

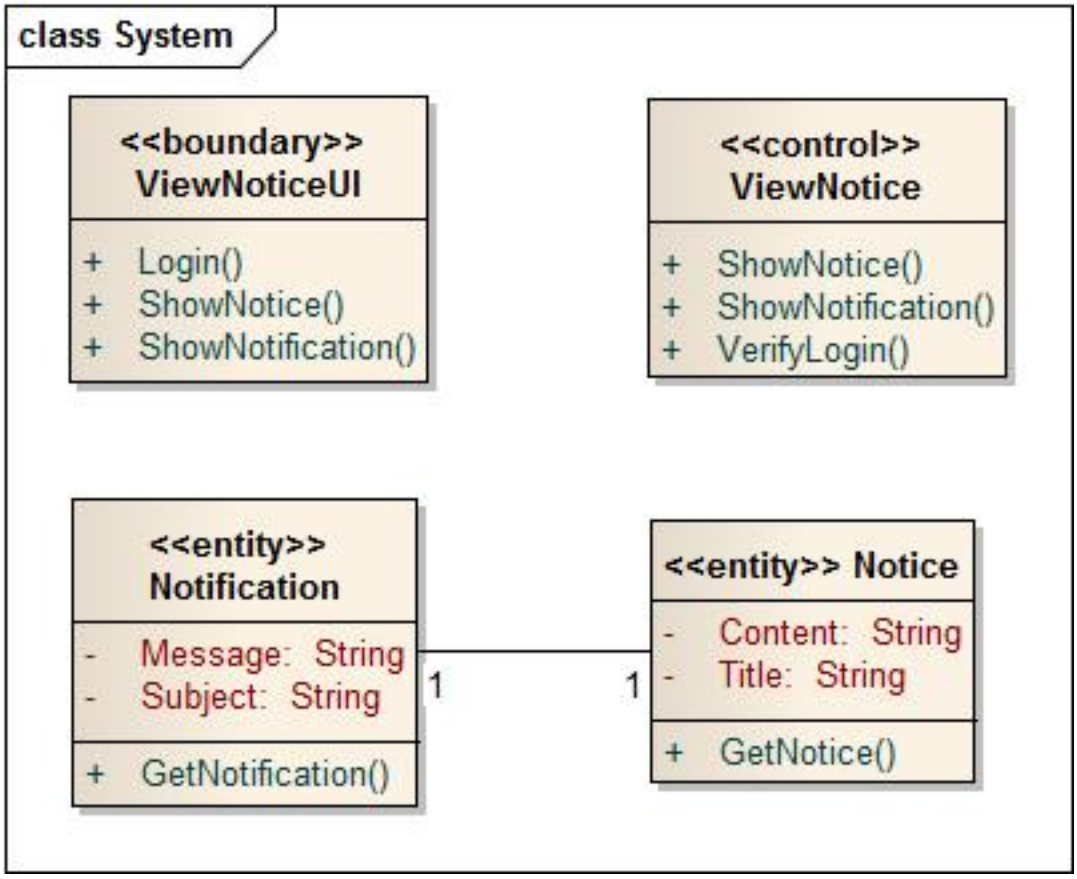


4.4 View Notice

Collaboration diagram:



Class diagram


class System
<<boundary>>
ViewNoticeUI
+ Login()
+ ShowNotice()
+ ShowNotification()
<<control>>
ViewNotice
+ ShowNotice()
+ ShowNotification()
+ VerifyLogin()
<<entity>>
Notification
- Message: String
- Subject: String
+ GetNotification()
1
1
<<entity>> Notice
- Content: String
- Title: String
+ GetNotice()