COS301: MINI PROJECT PHASE 1
GROUP 5 A

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Github

Contents

1 User Management

1.1 Use case prioritization

1.1.1 Critical

- 1.1 updateAccountInformation
- 1.2 viewProfile
- 1.3 logIn
- 1.4 logOut

1.1.2 Important

- 1.5 directMessage

1.1.3 Nice-To-Have

1.2 Use case/Services contracts

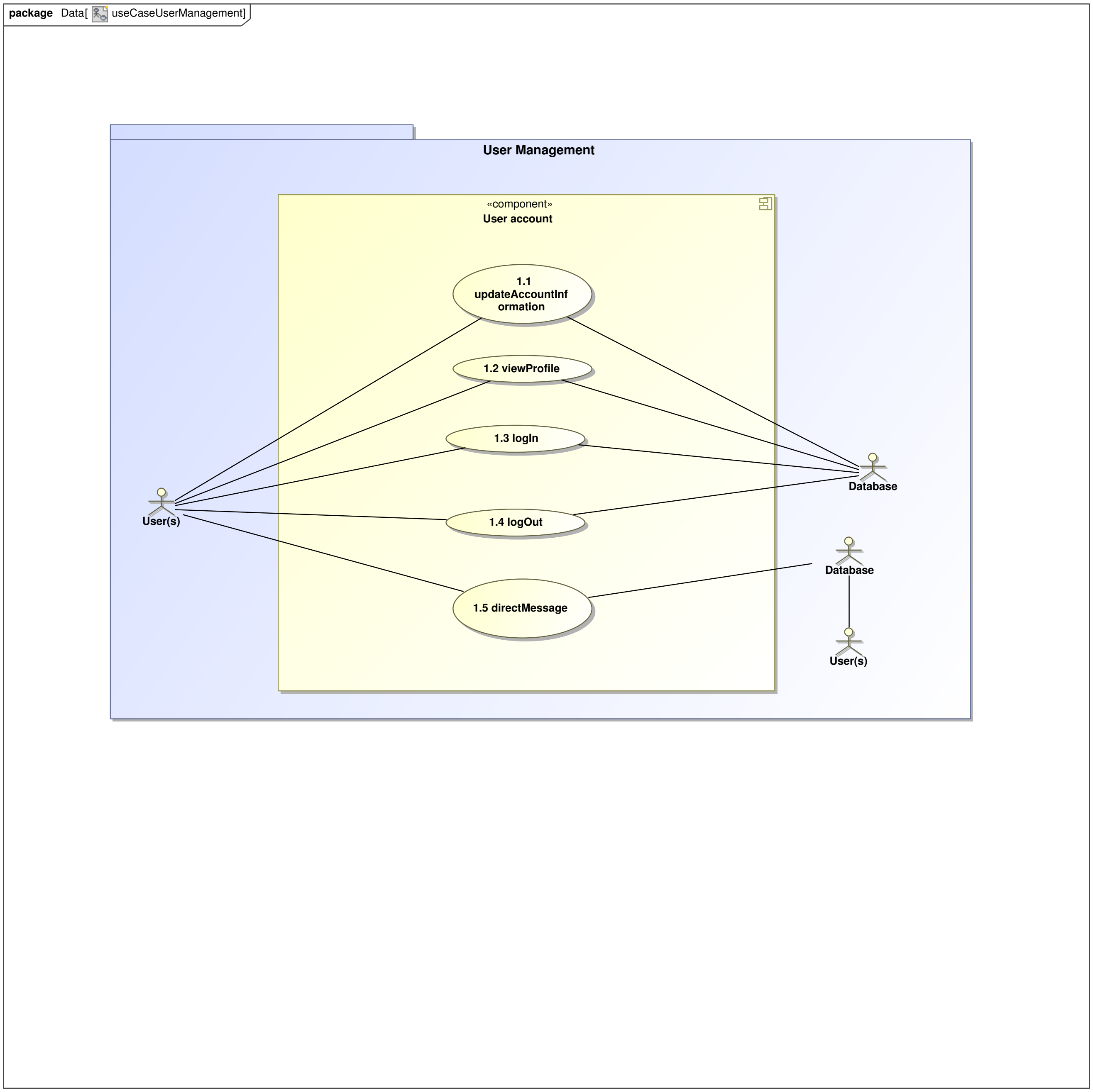
1.2.1 Pre-Conditions

- 1.1 New information must be valid.
- 1.4 User must be logged in.
- 1.5a User must have a message.
- 1.5b User must have (a) valid recipient(s).

1.2.2 Post-Conditions

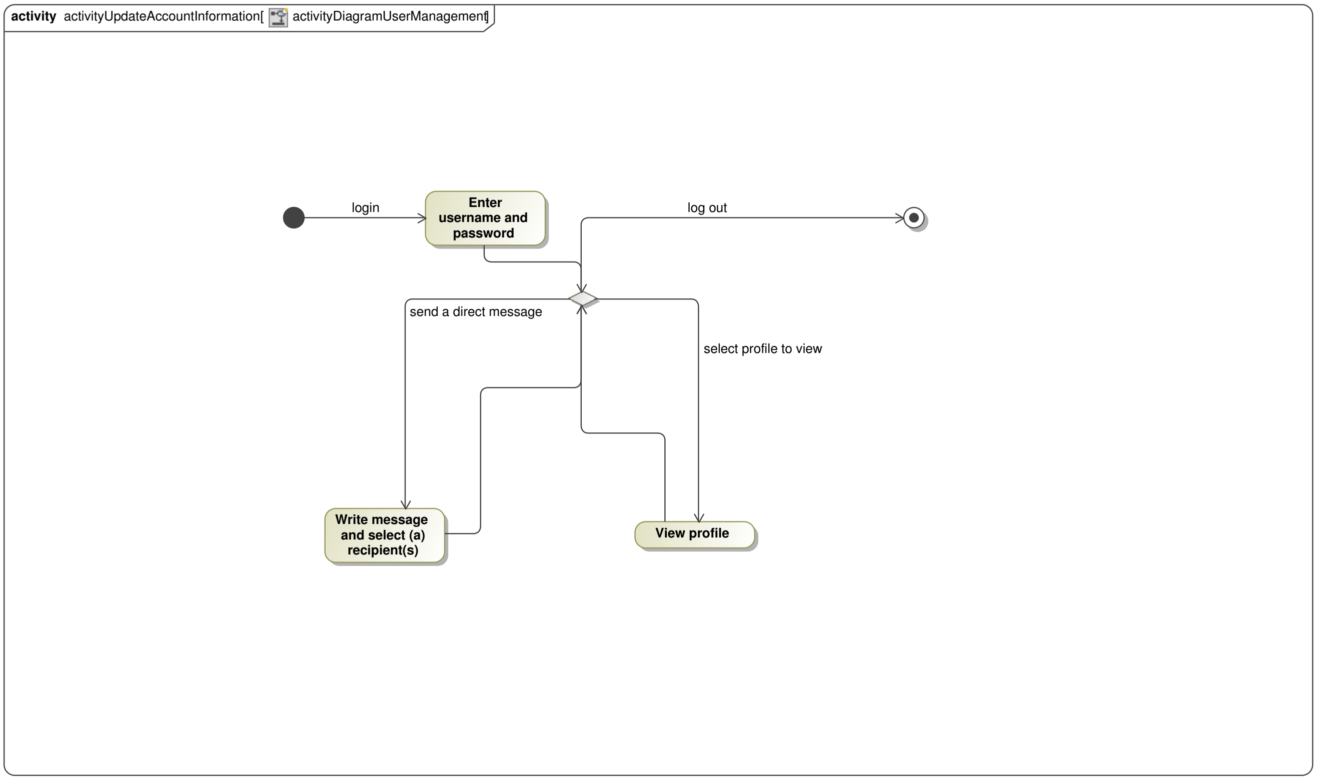
- 1.1 Information is updated on database.
- 1.4 User is logged out.
- 1.5 (The) recipient(s) recieve message.

1.3 Required functionality



1.4 Process specifications

1.4.1 User Management


activity activityUpdateAccountInformation[activityDiagramUserManagement]
login
Enter username and password
log out
send a direct message
select profile to view
Write message and select (a) recipient(s)
View profile

2 Admin Management

2.1 Use case prioritization

2.1.1 Critical

- 2.1 createAccount
- 2.2 deleteAccount

2.1.2 Important

2.1.3 Nice-To-Have

- 2.3 customizeInterface
- 2.2 summarizeThreads

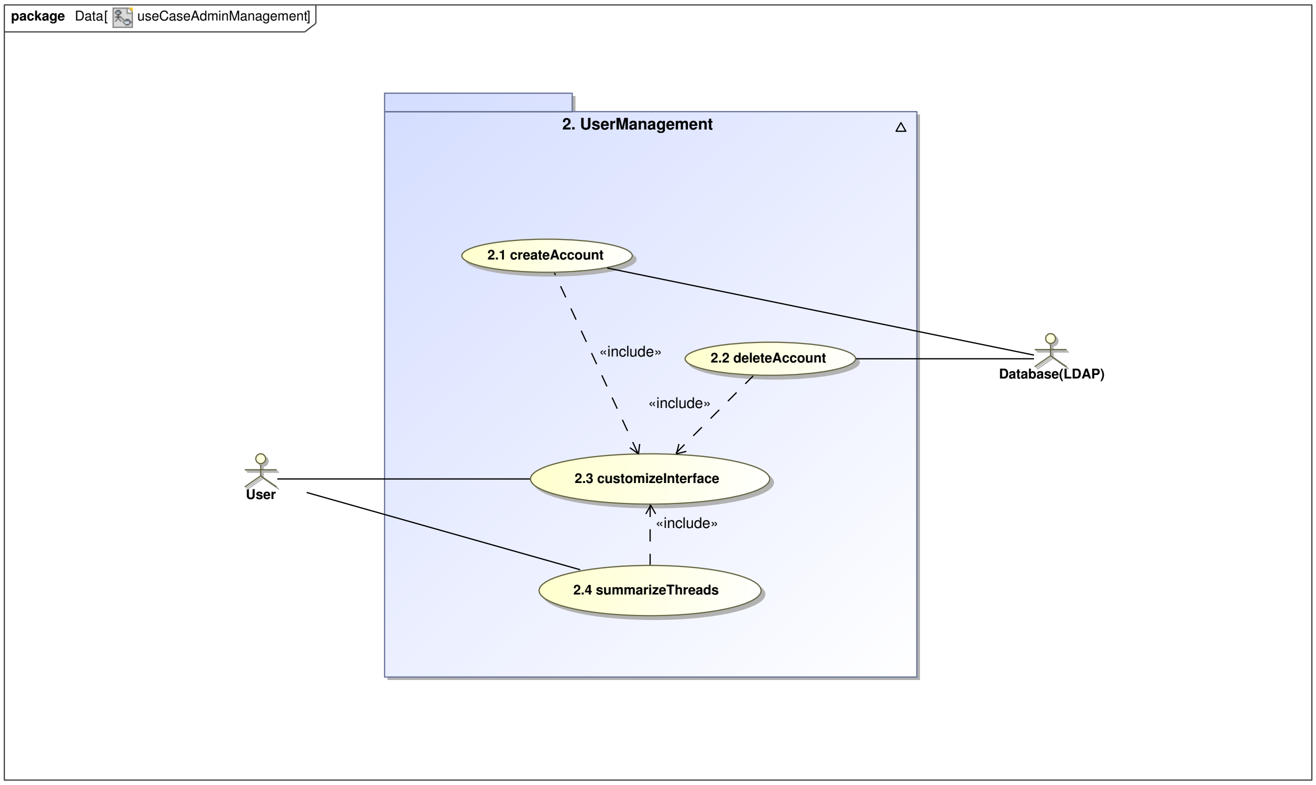
2.1.4 Pre-Conditions

- 2.1 User must be a registered with the university
- 2.2 User must no longer be a student at the university
- 2.3 User must be of a specific status level(authority)
- 2.4 User must be of a specific status level(authority)

2.1.5 Post-Conditions

- 2.1 Account must exist
- 2.2 User account should be deleted along with all activities associated with it
- 2.3 Posts should be moved around and changes be visible
- 2.4 Summaries of threads should be created

2.2 Required functionality

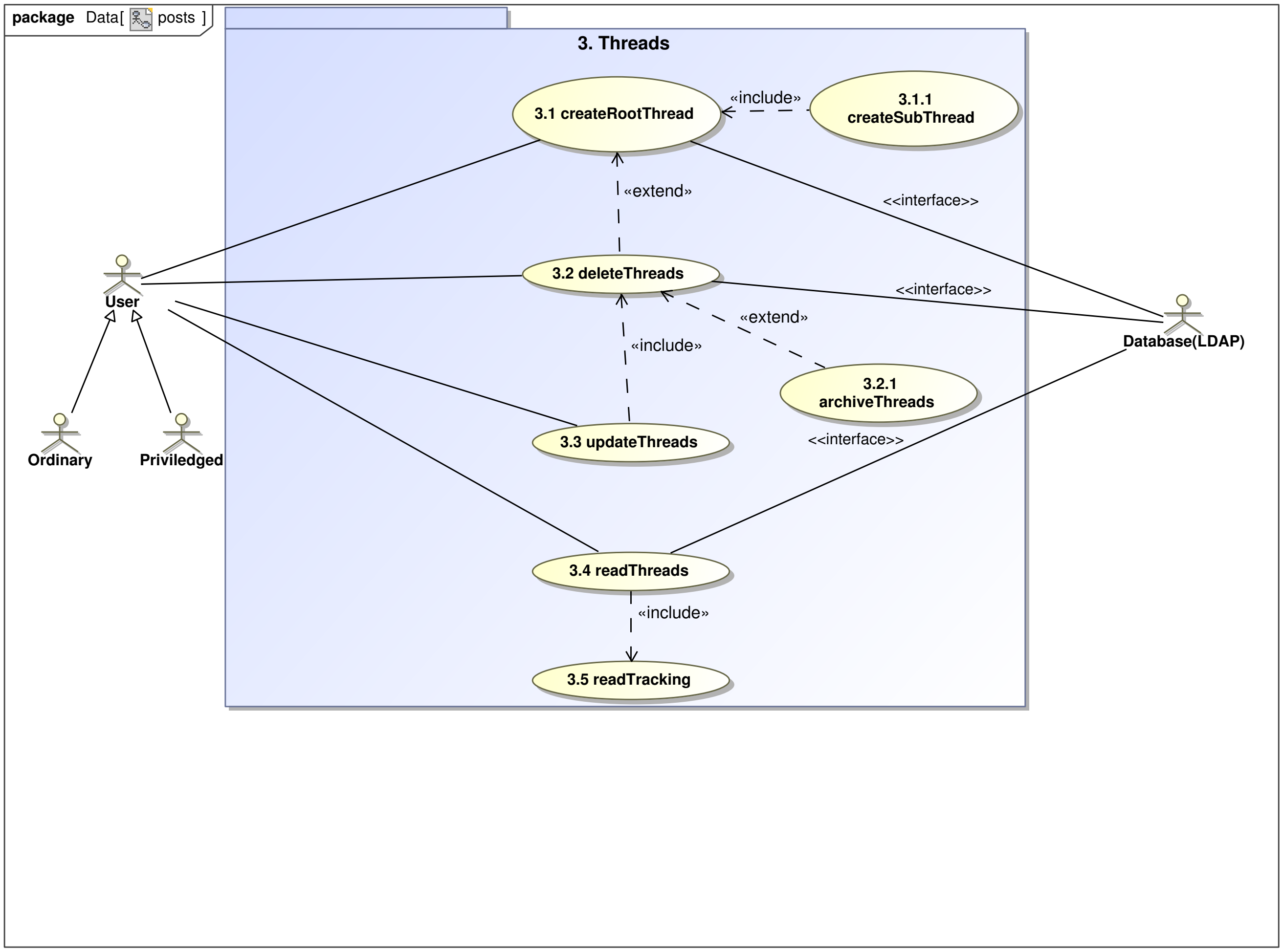


2.3 Process specifications

2.3.1 User Management

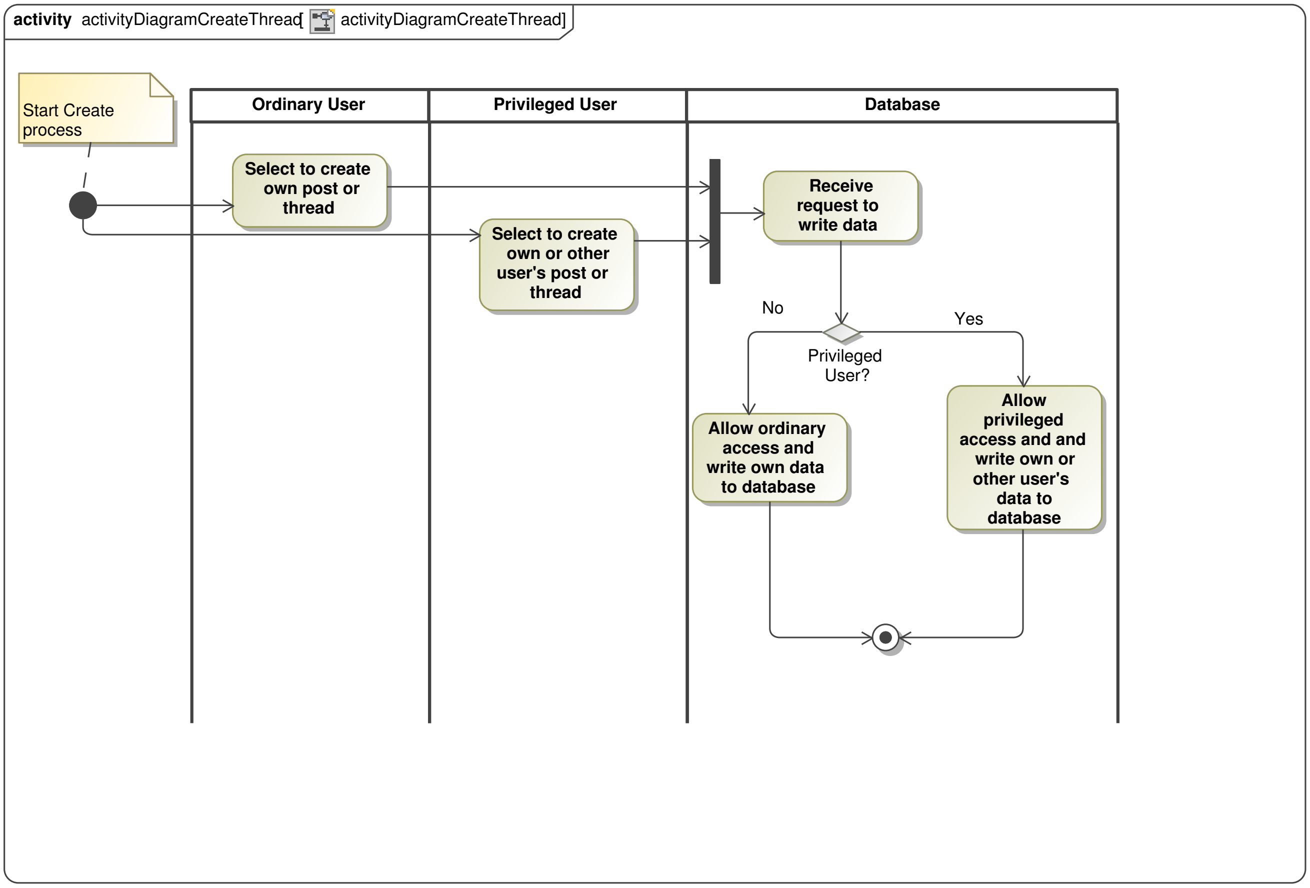
3 Threads

3.1 Required functionality

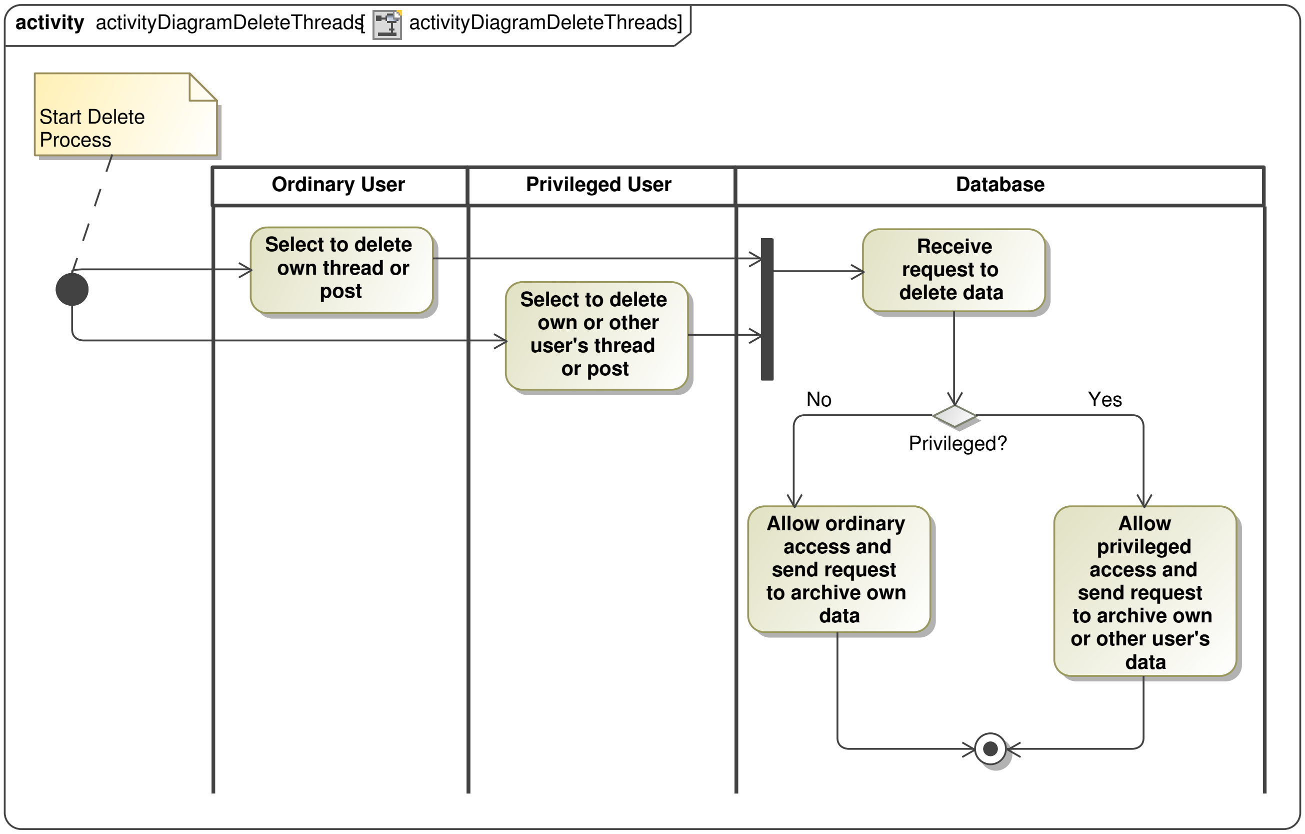


3.2 Process specifications

3.2.1 Create Threads


activity activityDiagramCreateThread[activityDiagramCreateThread]
Start Create process
Ordinary User
Privileged User
Database
Select to create own post or thread
Select to create own or other user's post or thread
Receive request to write data
No
Yes
Privileged User?
Allow ordinary access and write own data to database
Allow privileged access and and write own or other user's data to database

3.2.2 Delete Threads


activity activityDiagramDeleteThreads[activityDiagramDeleteThreads]
Start Delete Process
Ordinary User
Privileged User
Database
Select to delete own thread or post
Select to delete own or other user's thread or post
Receive request to delete data
No
Yes
Privileged?
Allow ordinary access and send request to archive own data
Allow privileged access and send request to archive own or other user's data

4 User Ranking

4.1 Use case prioritization

4.1.1 Critical

- 4.1 Rate post
- 4.3 Manage User Ranking

4.1.2 Important

- 4.2 Mark Allocation

4.1.3 Nice-To-Have

4.2 Use case/Services contracts

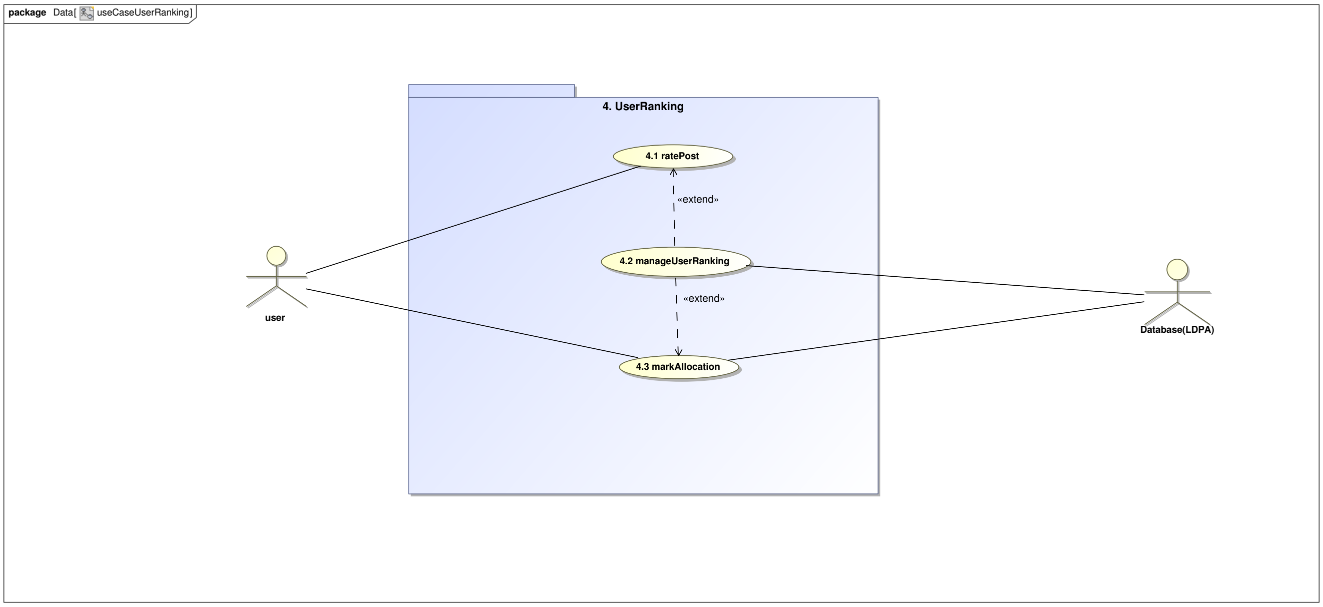
4.2.1 Pre-Conditions

- 4.1 Must be logged in
- 4.2 Must be logged in and also a lecturer or TA
- 4.3 Must be logged in and also a lecturer or TA

4.2.2 Post-Conditions

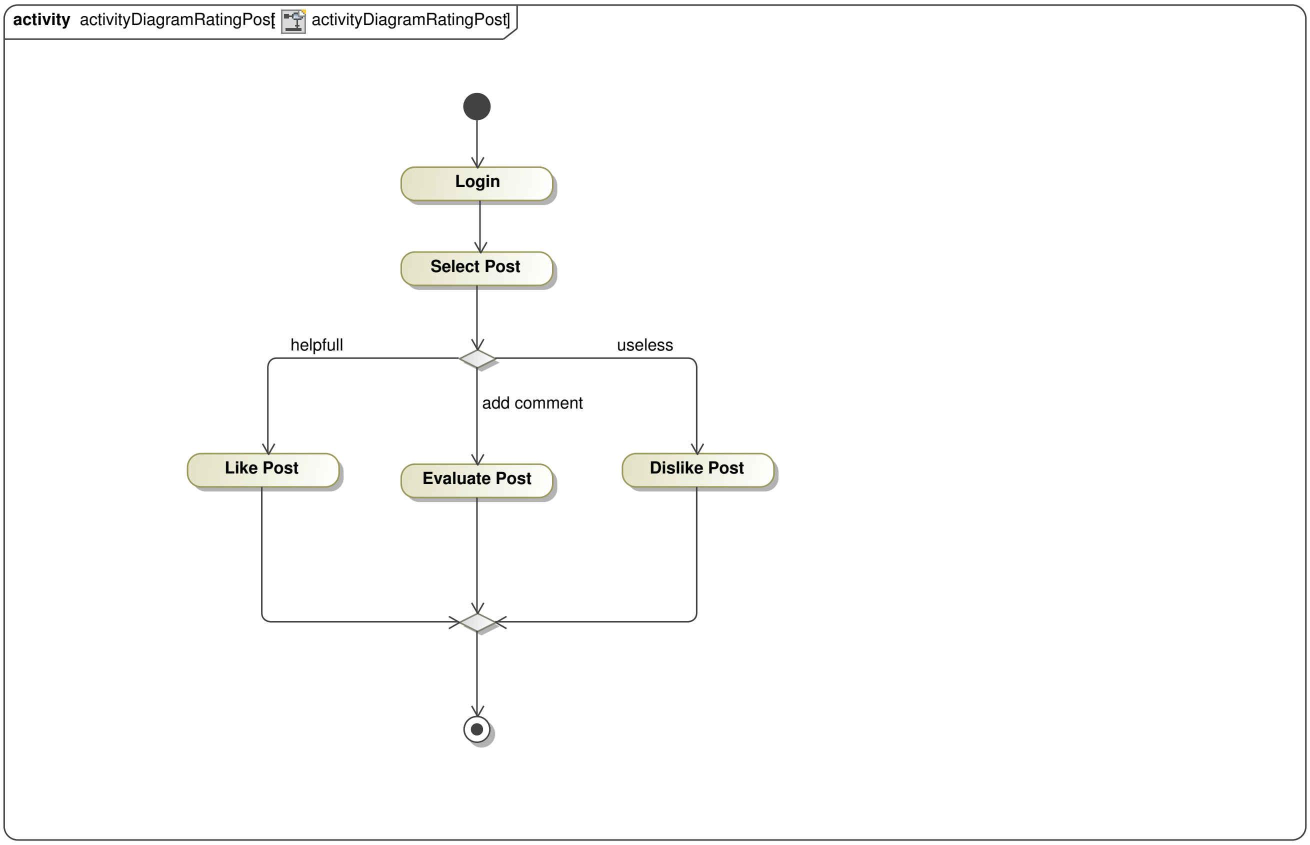
- 4.1 Post is rated
- 4.2 Must be logged in and also a lecturer or TA
- 4.3 Must be logged in and also a lecturer or TA

4.3 Required functionality

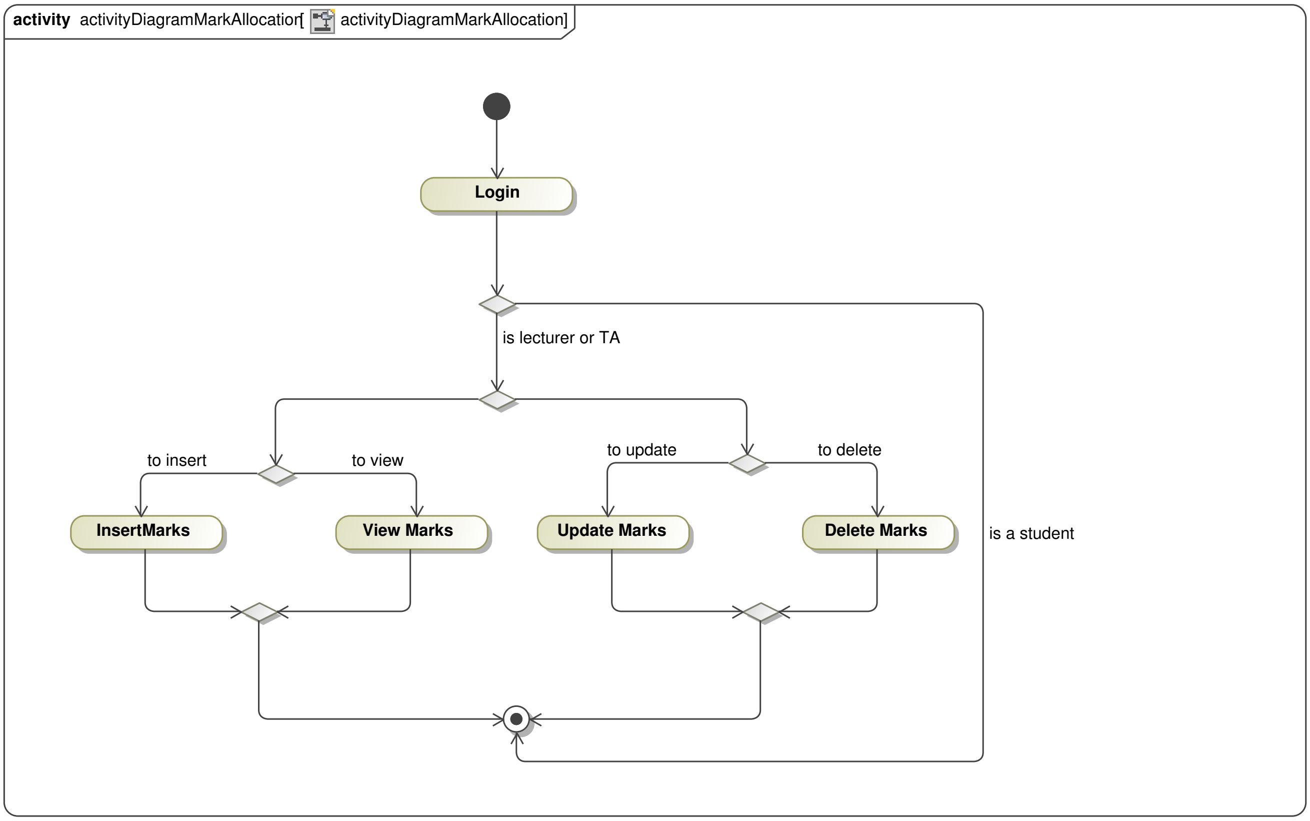


4.4 Process specifications

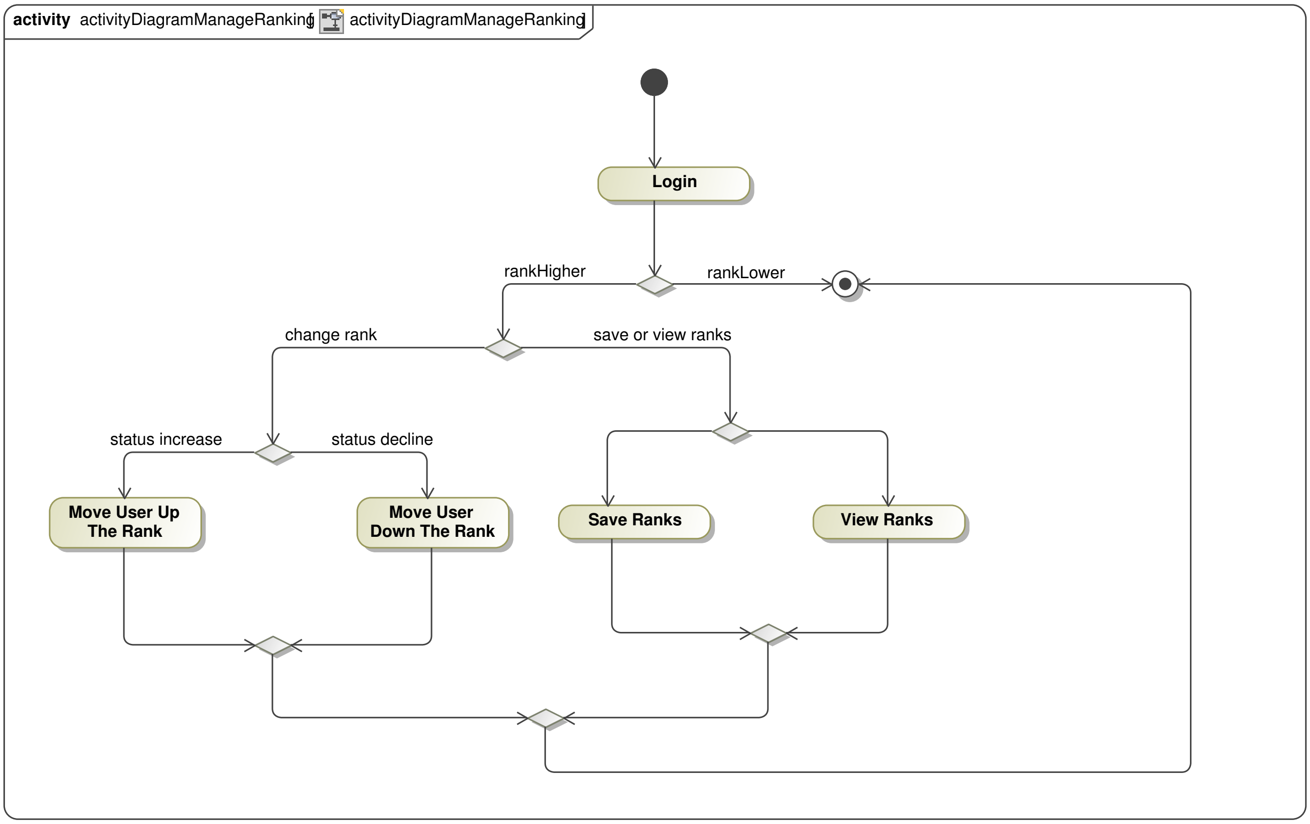
4.4.1 Rating Post



4.4.2 Mark Allocation



4.4.3 Manage Ranking


activity activityDiagramManageRanking[activityDiagramManageRanking]
Login
rankHigher
rankLower
change rank
save or view ranks
status increase
status decline
Move User Up The Rank
Move User Down The Rank
Save Ranks
View Ranks