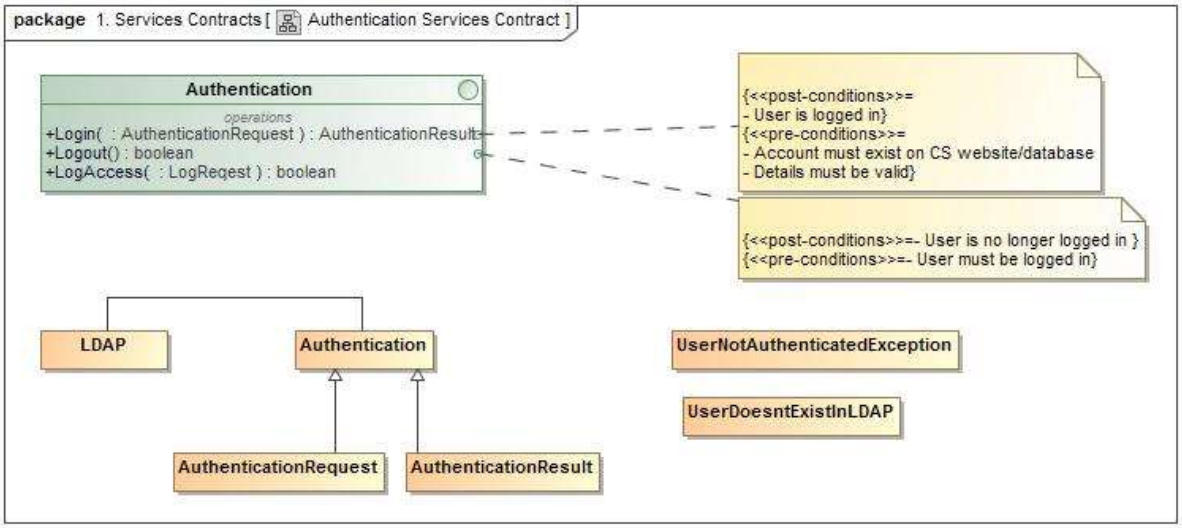
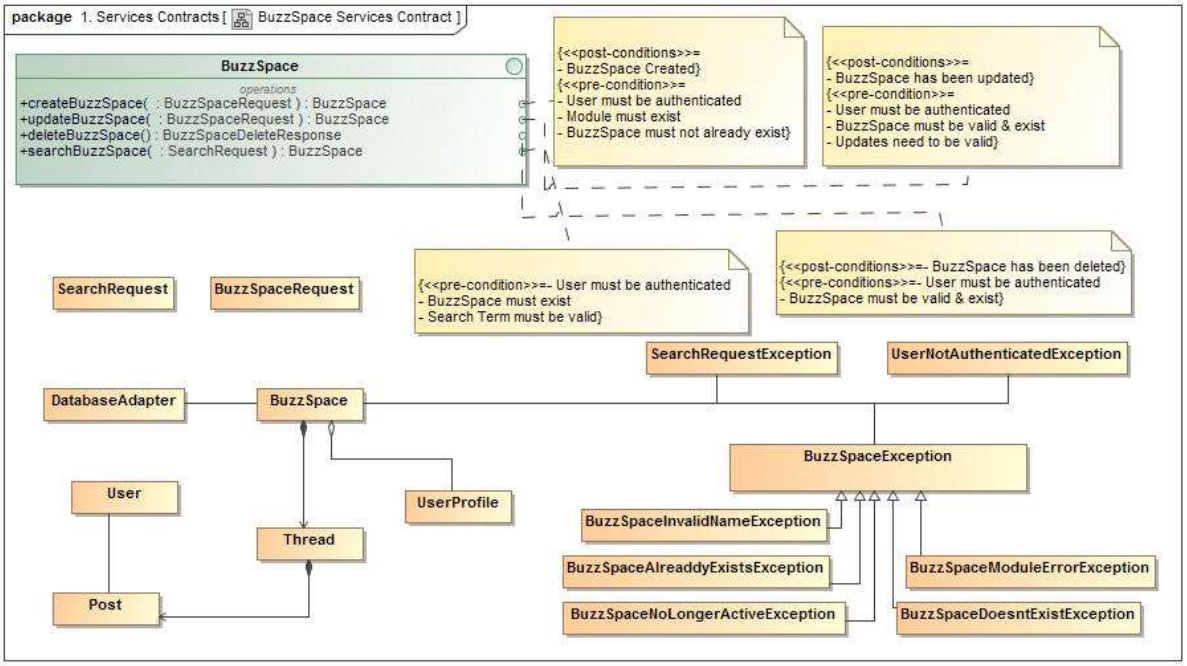
1. Services Contracts

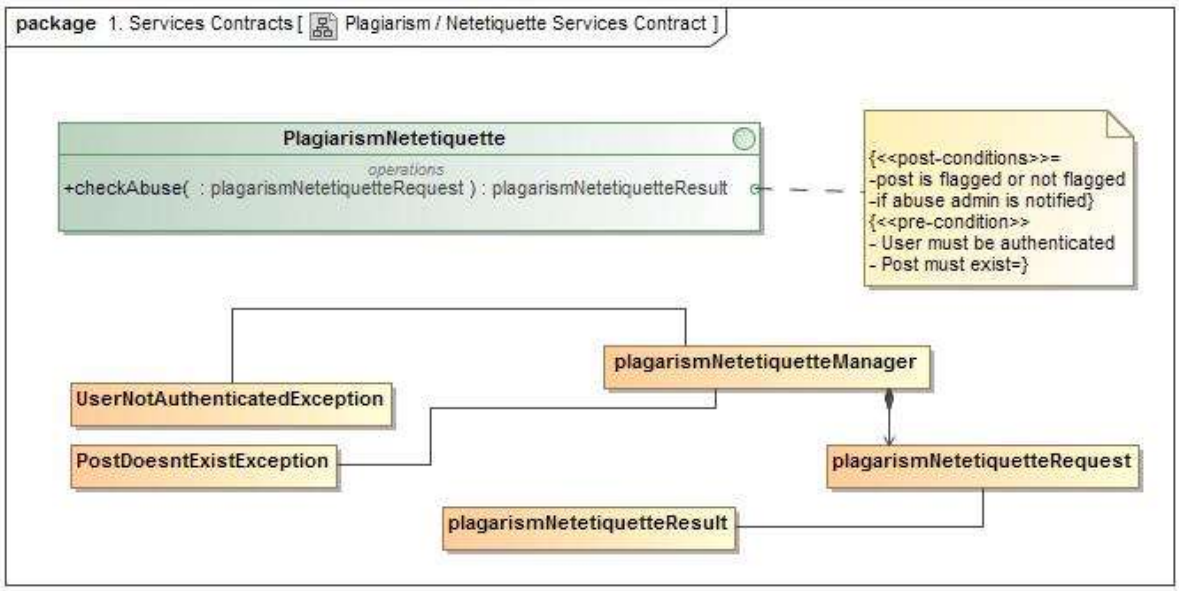
Authentication Services Contract



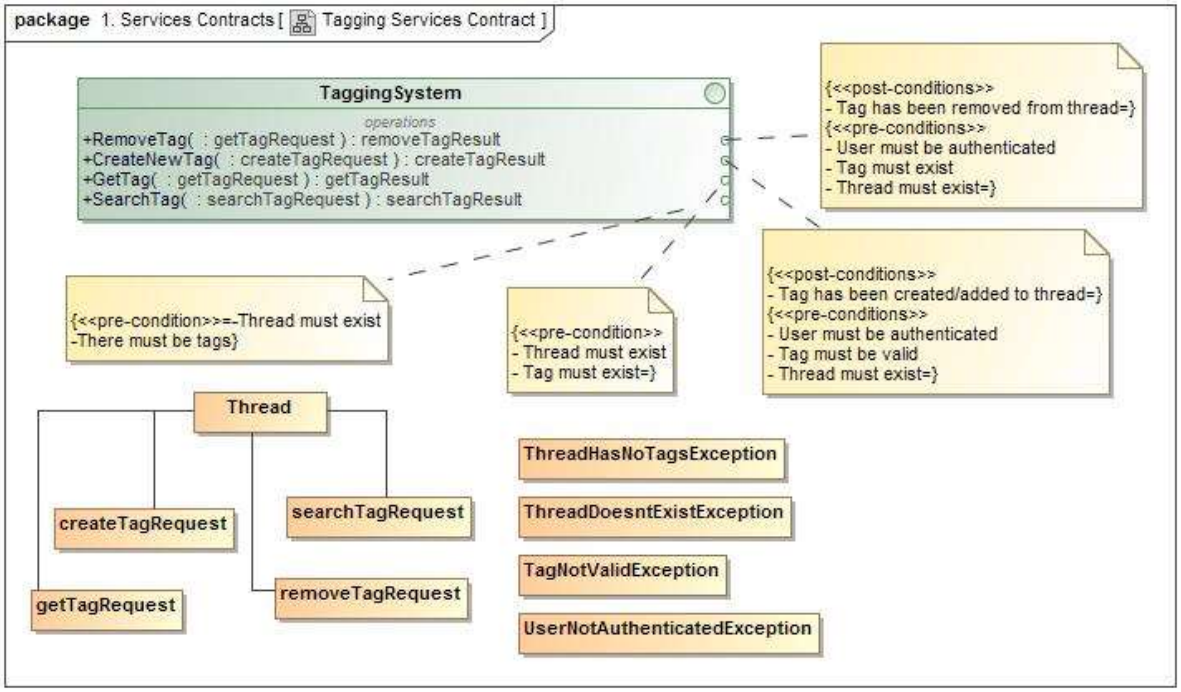
BuzzSpace Services Contract



Plagiarism / Netetiquette Services Contract



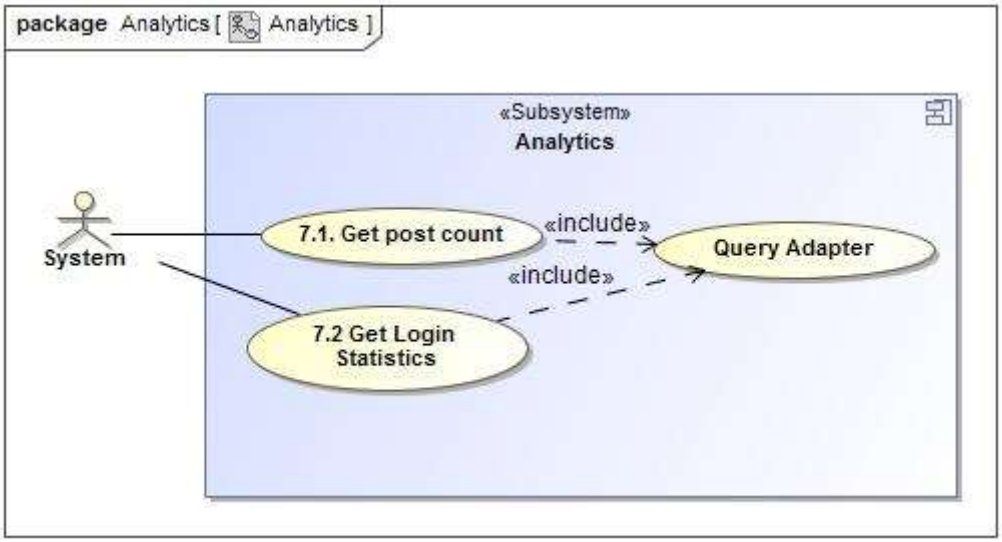
Tagging Services Contract



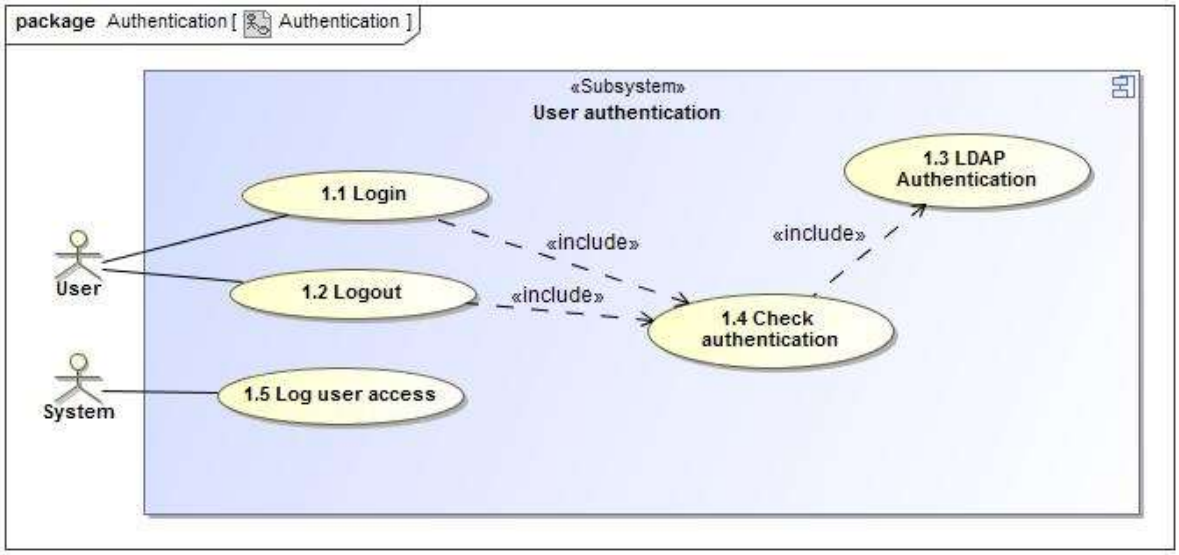
3 or 4 LEFT TO DO

2. Use Cases

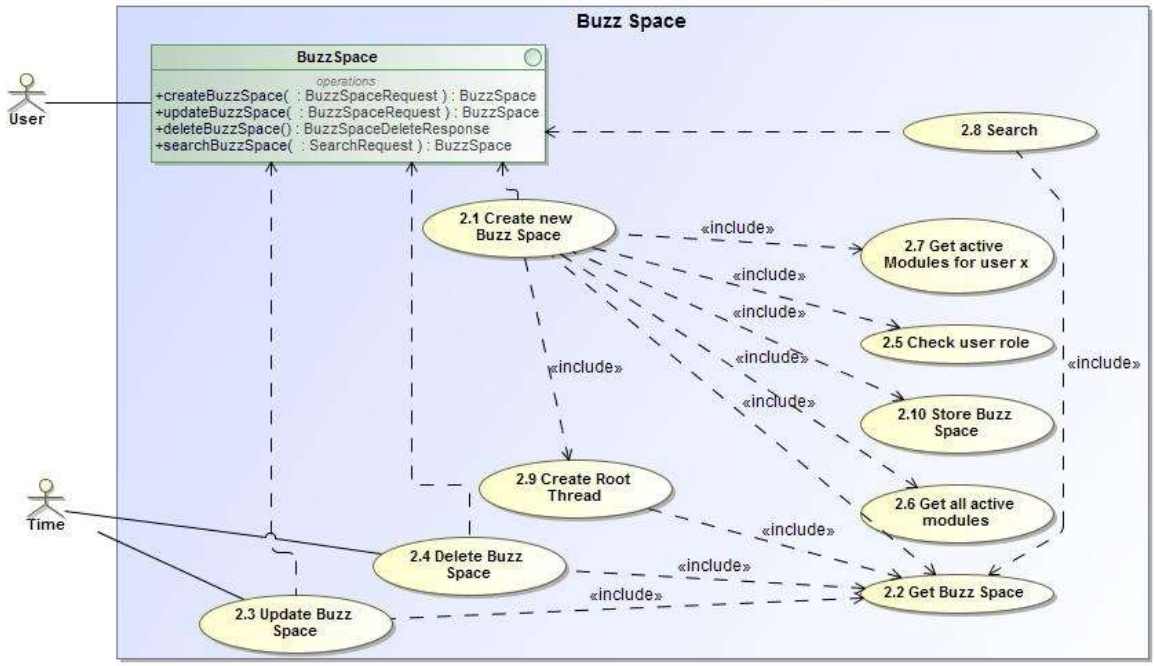
Analytics



Authentication



Buzz Space



Communication

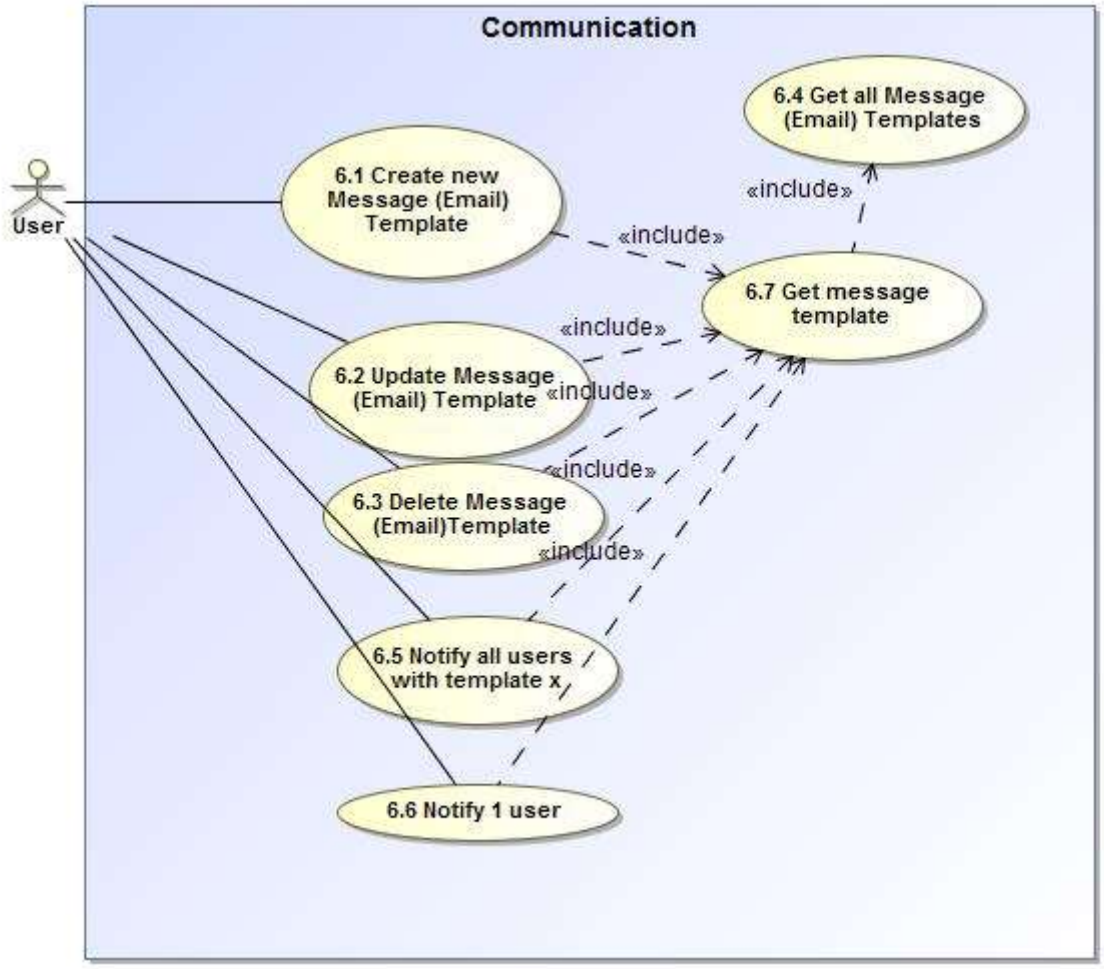
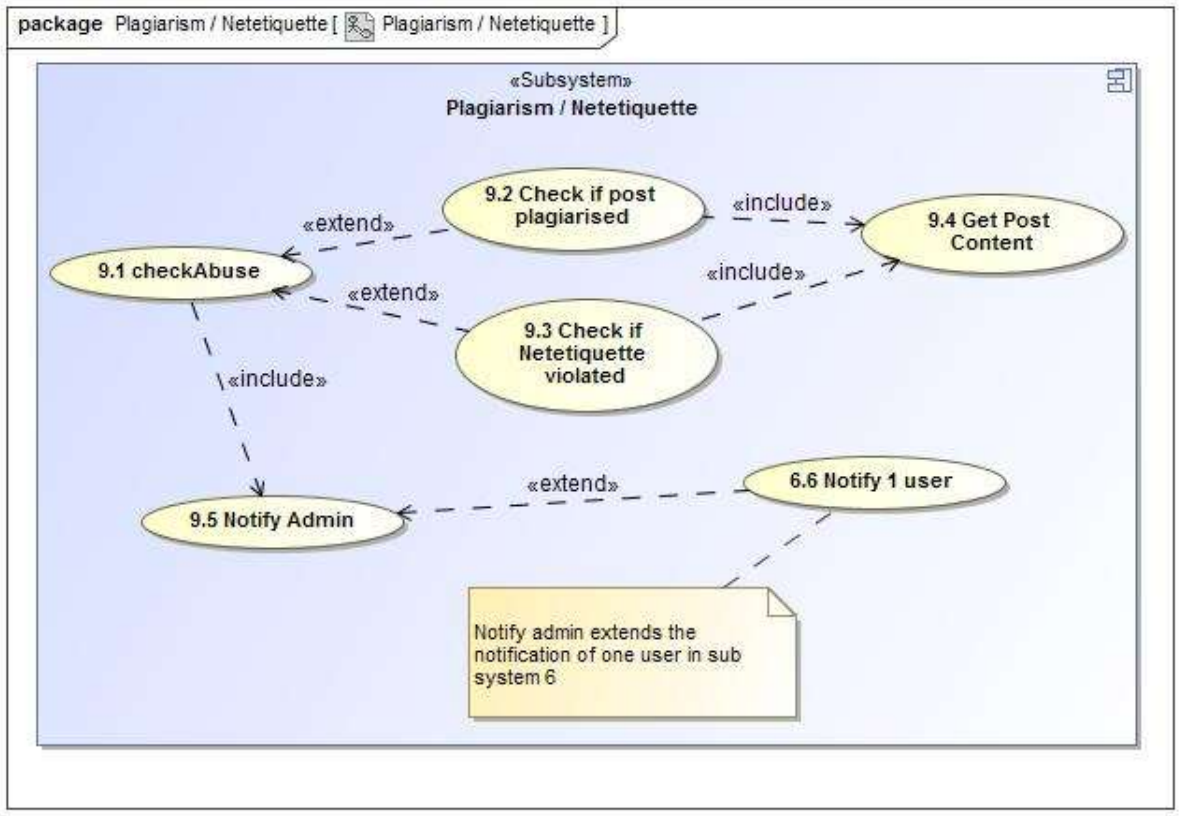
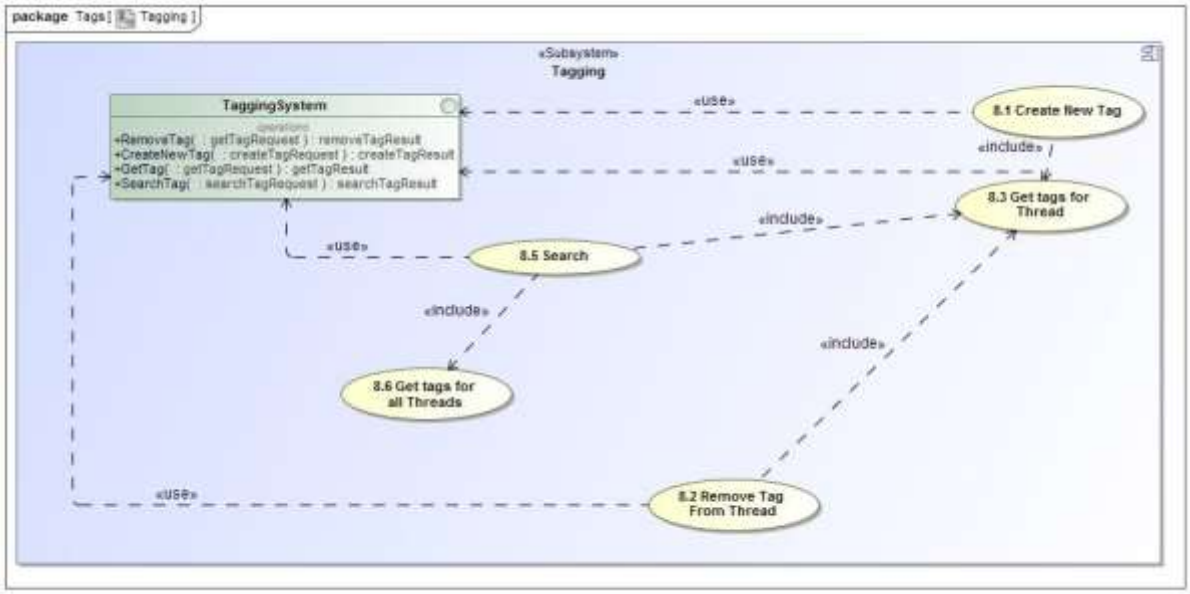


Figure 1. Communication

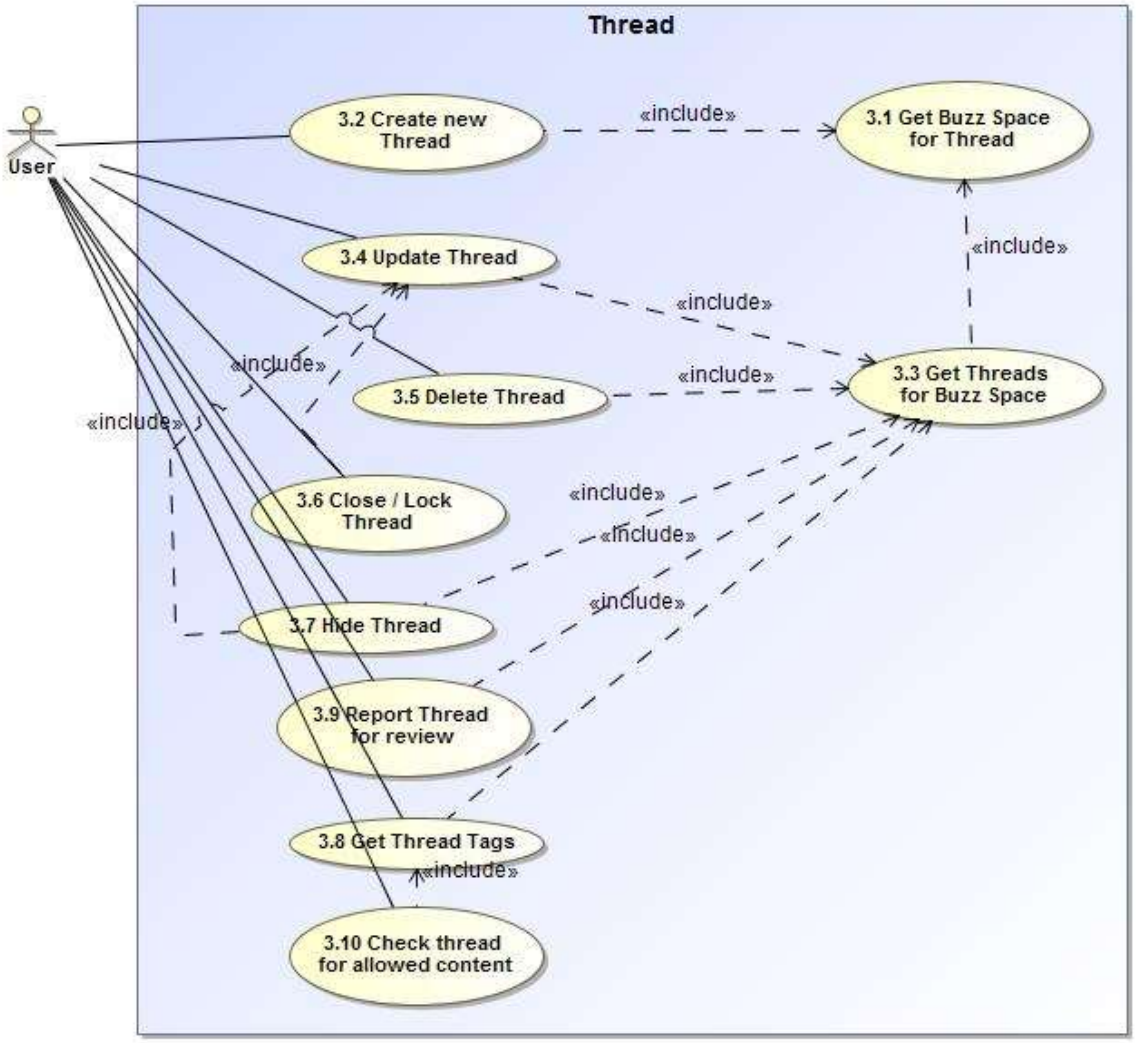
Plagiarism / Netetiquette



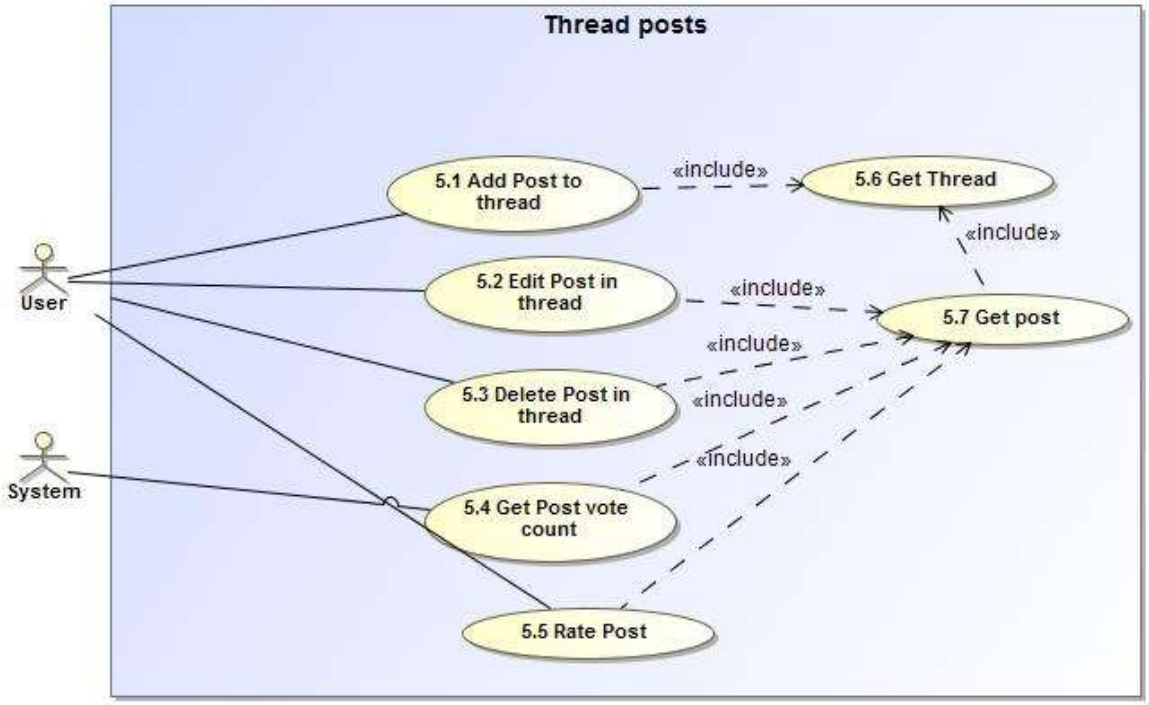
Tagging



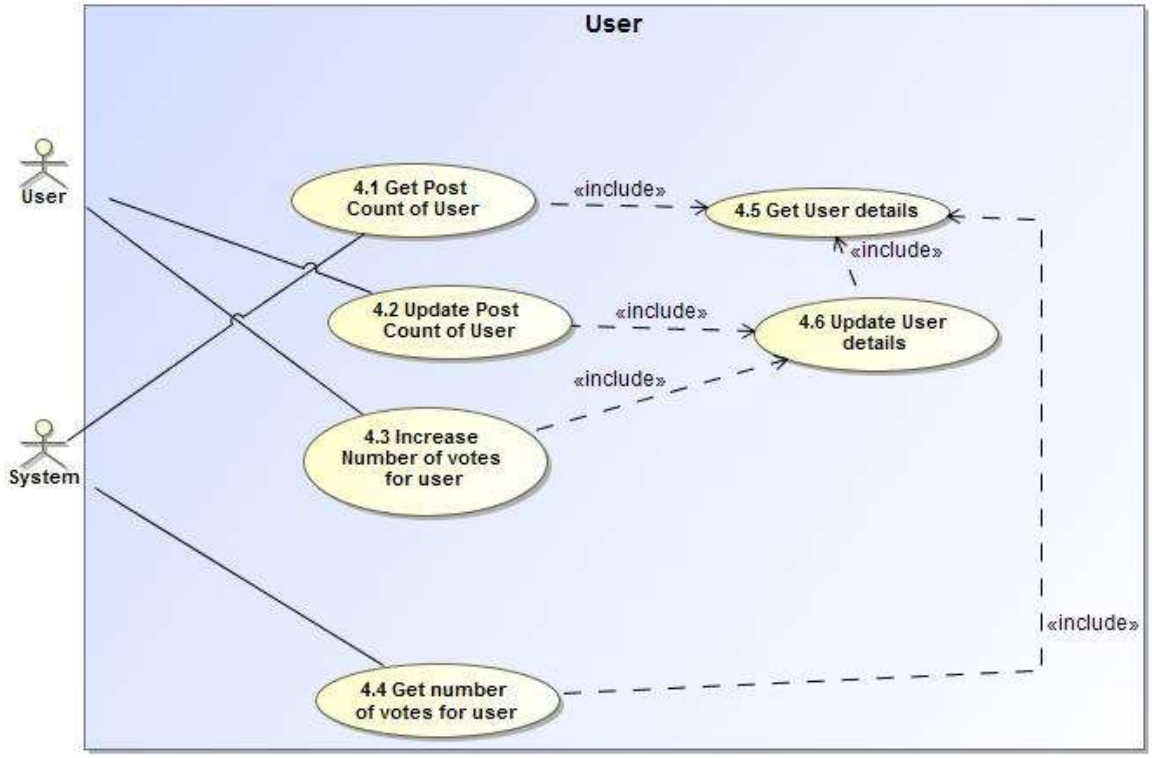
Thread


Thread
User
3.2 Create new Thread
«include»
3.1 Get Buzz Space for Thread
3.4 Update Thread
«include»
«include»
«include»
3.5 Delete Thread
«include»
3.3 Get Threads for Buzz Space
«include»
3.6 Close / Lock Thread
«include»
«include»
3.7 Hide Thread
«include»
3.9 Report Thread for review
3.8 Get Thread Tags
«include»
3.10 Check thread for allowed content

Thread posts

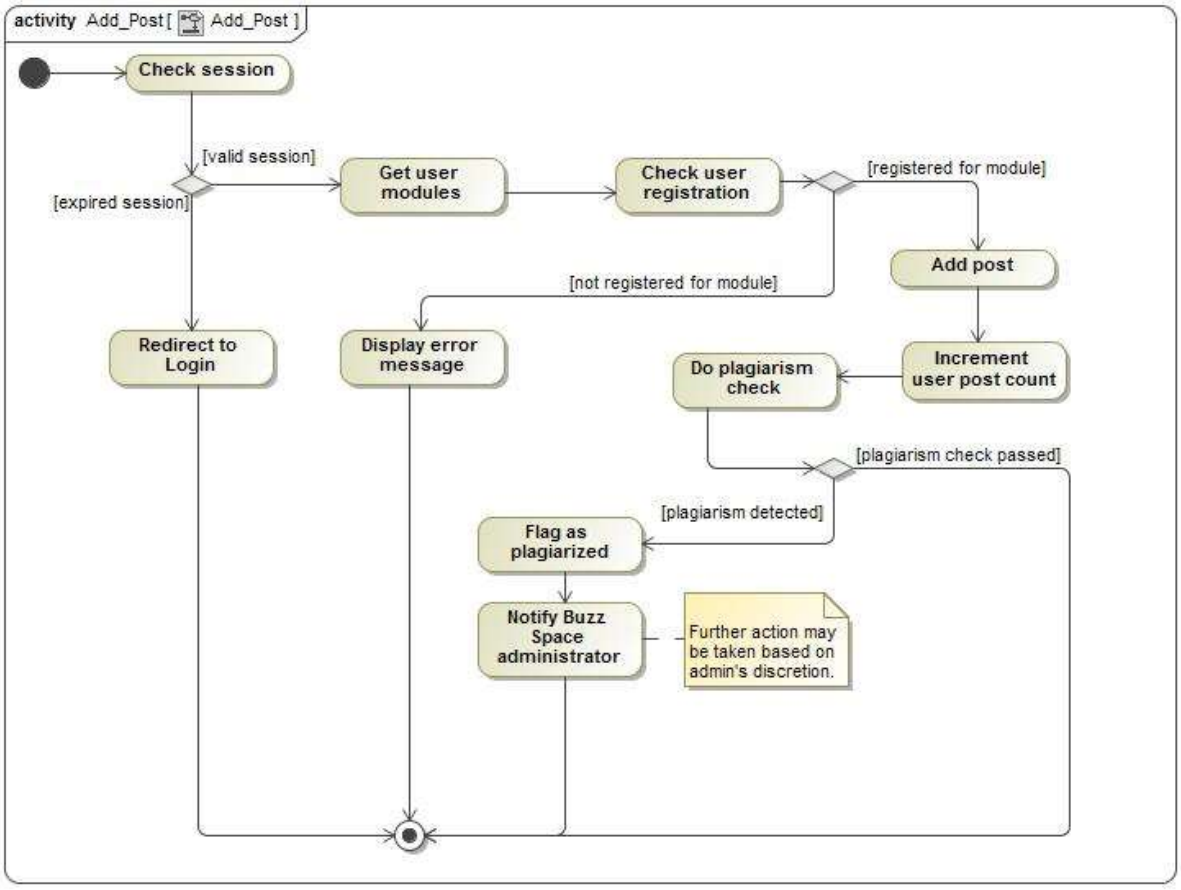


User

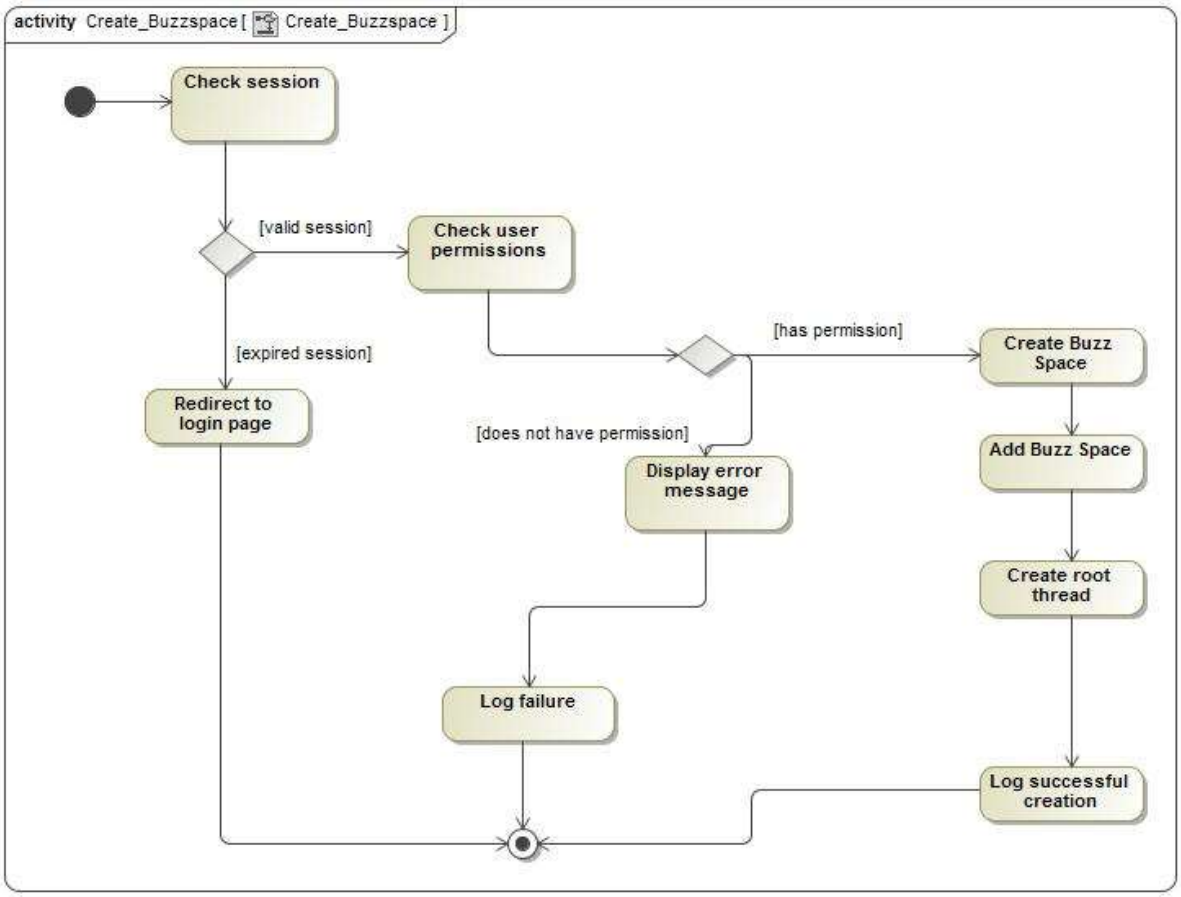


3. Activity Diagrams

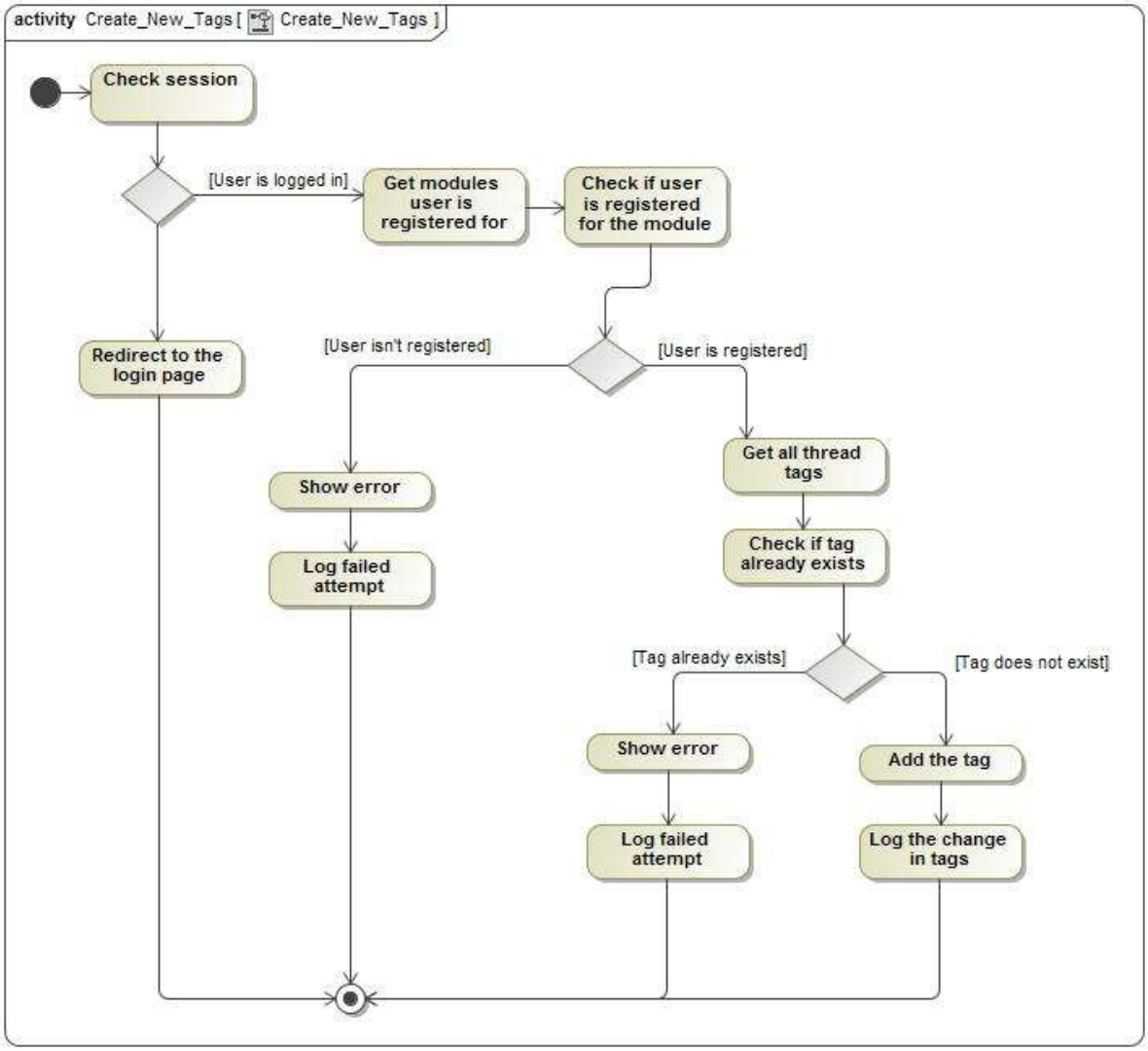
Add_Post



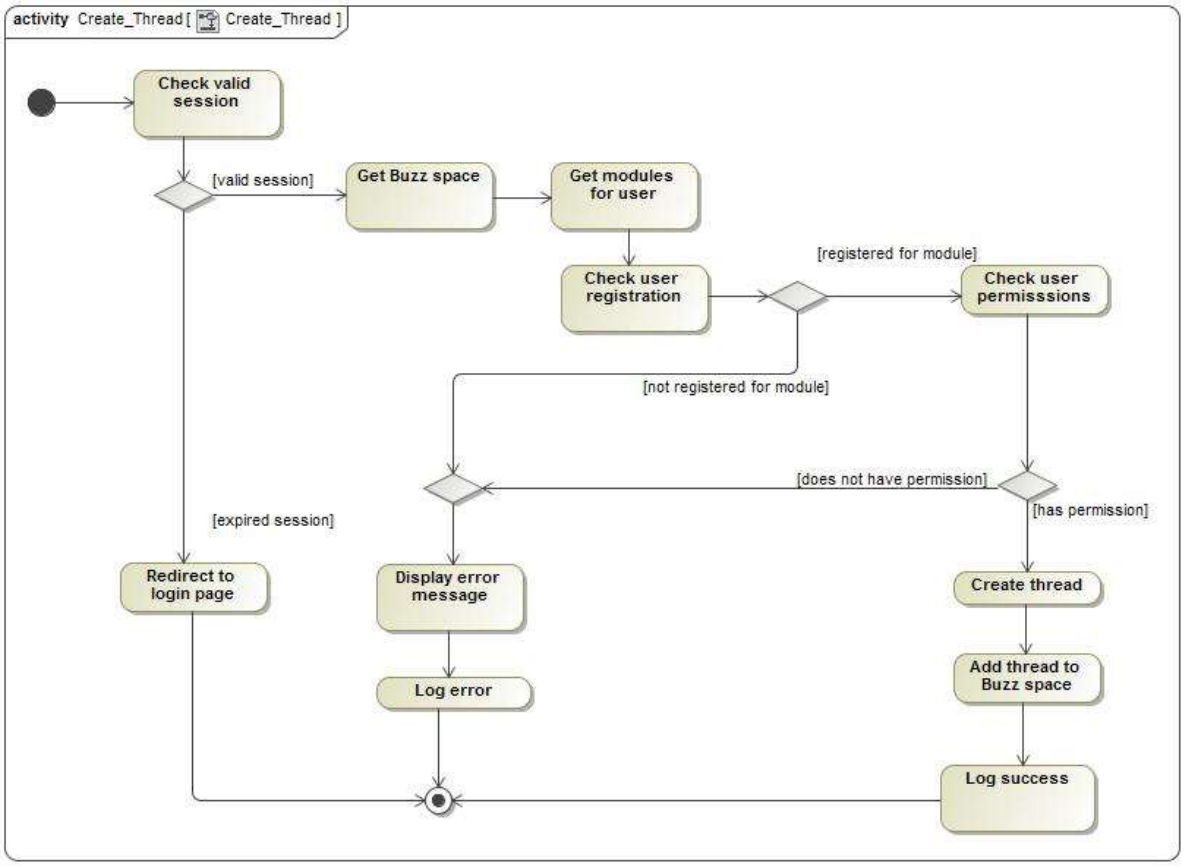
Create_Buzzspace



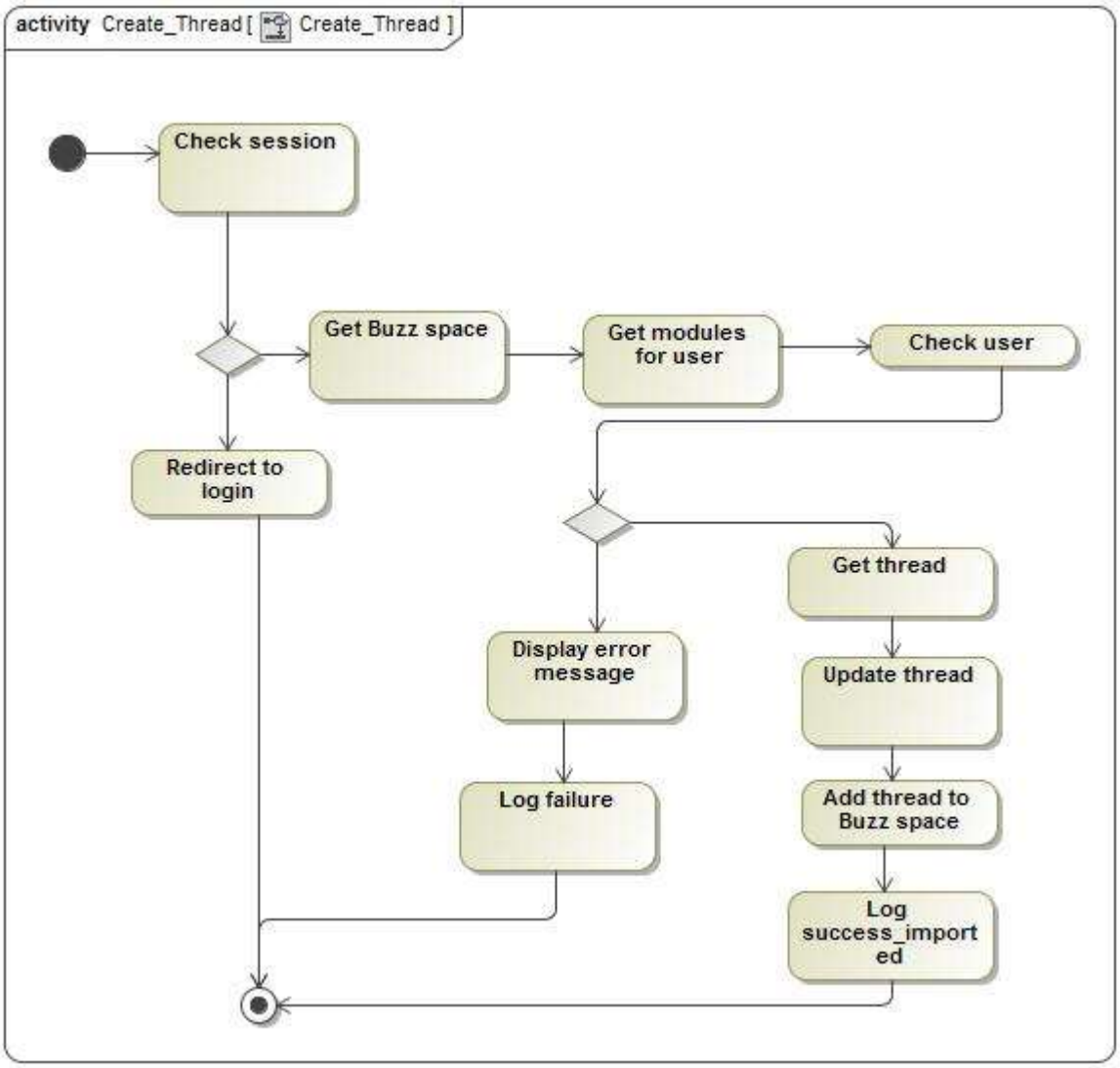
Create_New_Tags



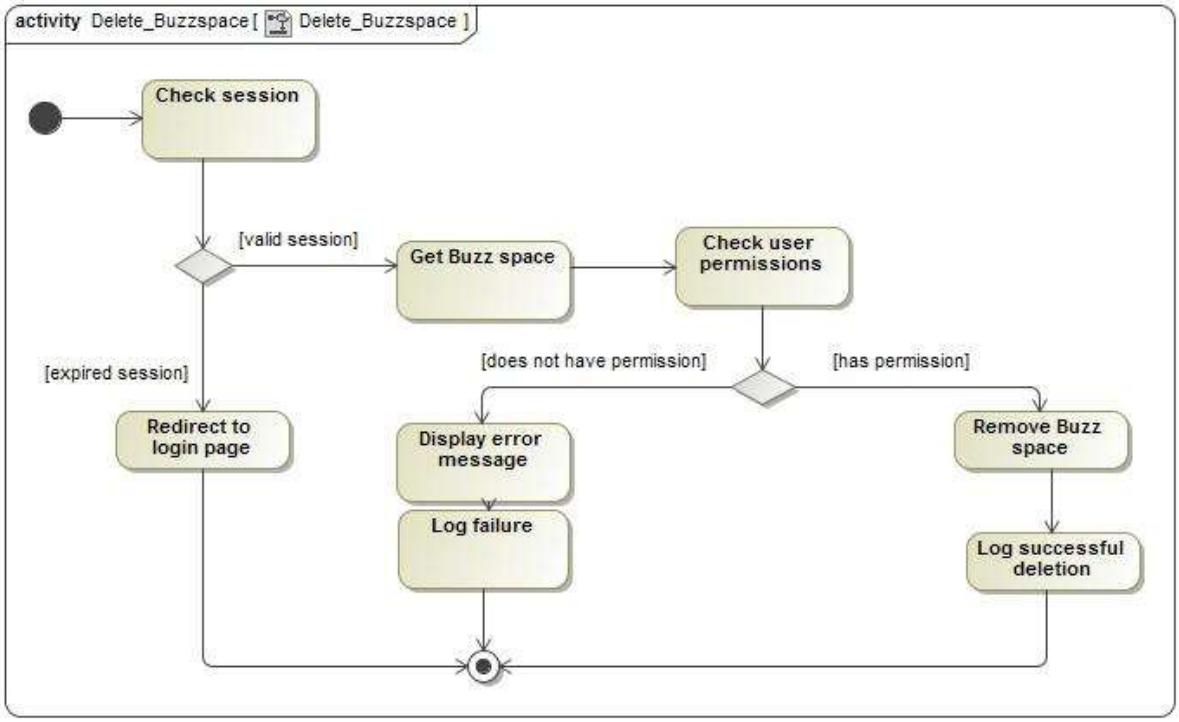
Create_Thread



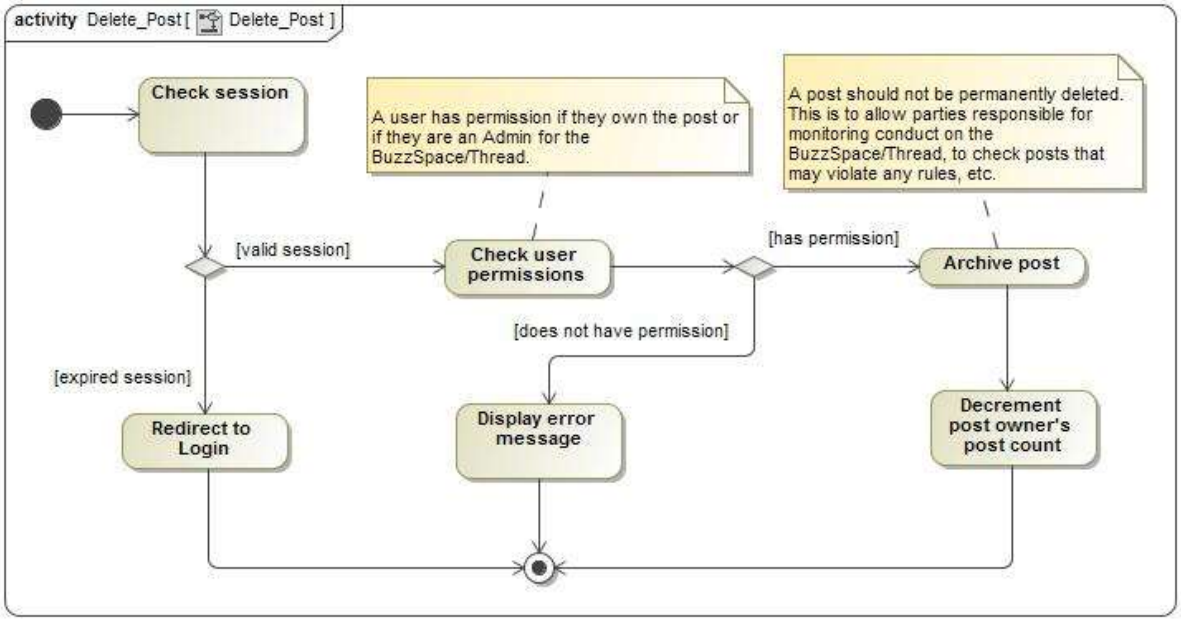
Create_Thread



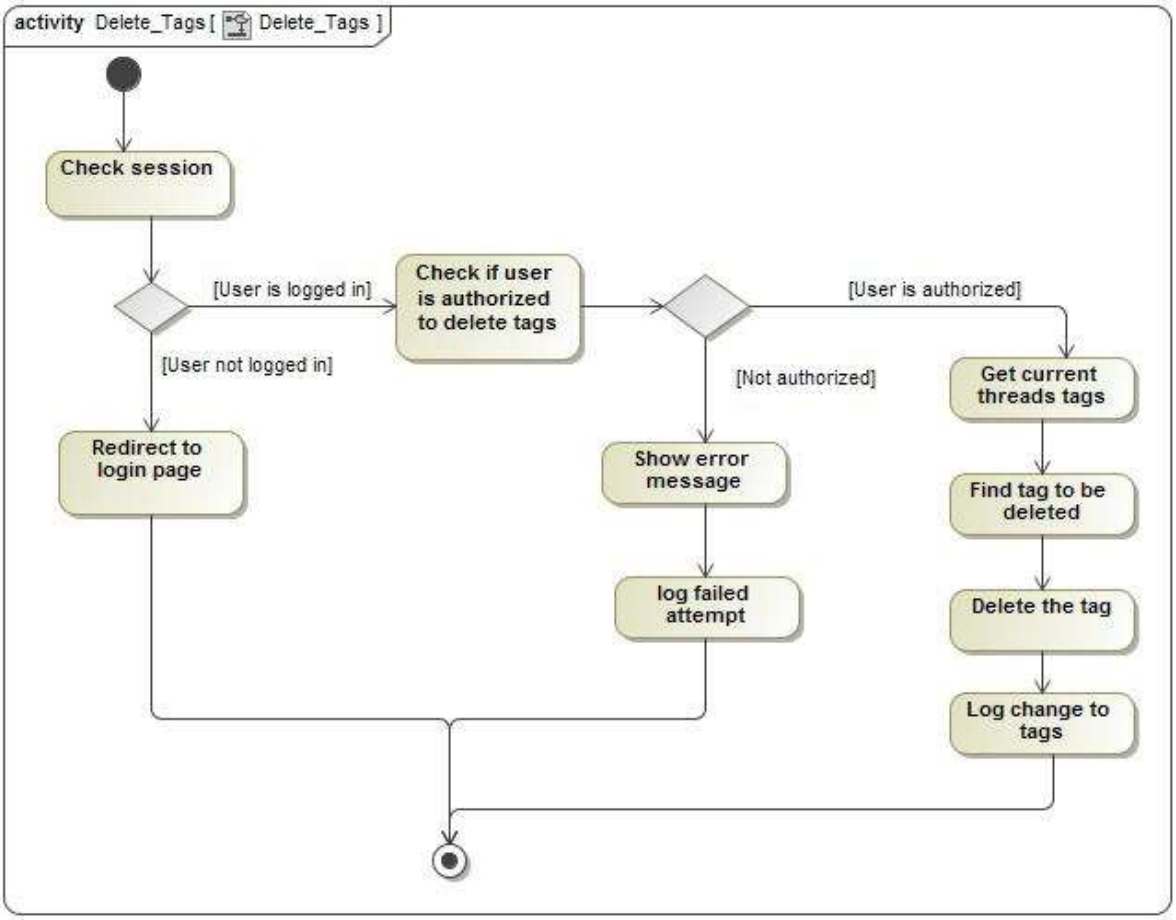
Delete_Buzzspace



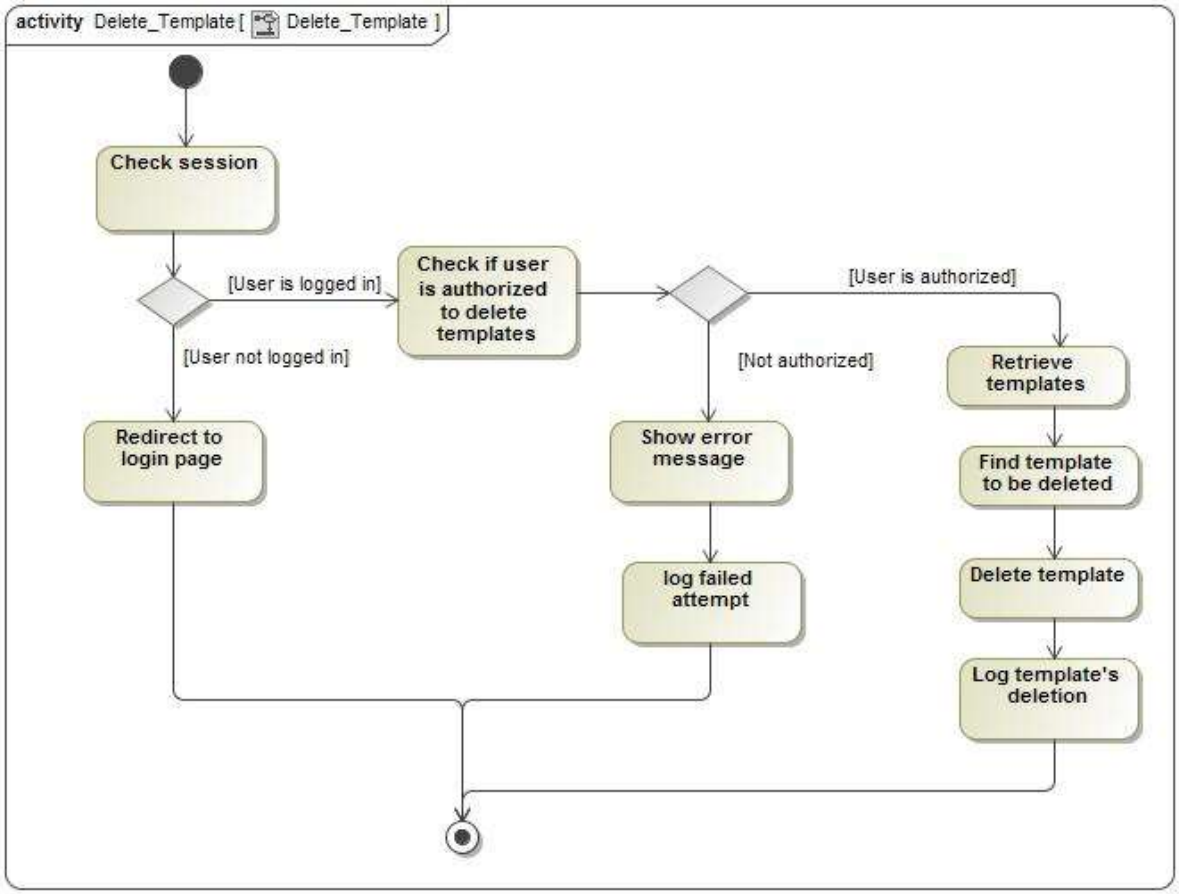
Delete_Post



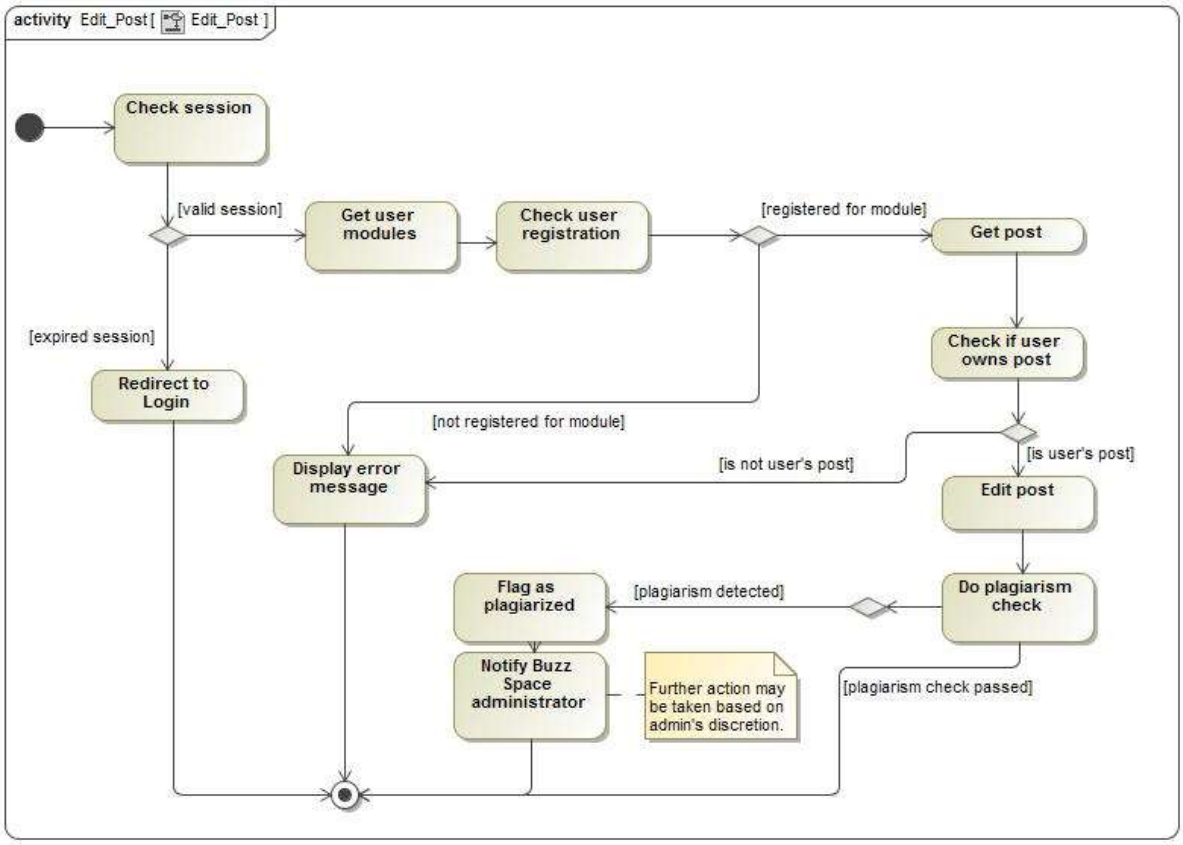
Delete_Tags


activity Delete_Tags [Delete_Tags]
Check session
[User is logged in]
Check if user is authorized to delete tags
[User is authorized]
[User not logged in]
[Not authorized]
Redirect to login page
Show error message
Get current threads tags
Find tag to be deleted
log failed attempt
Delete the tag
Log change to tags

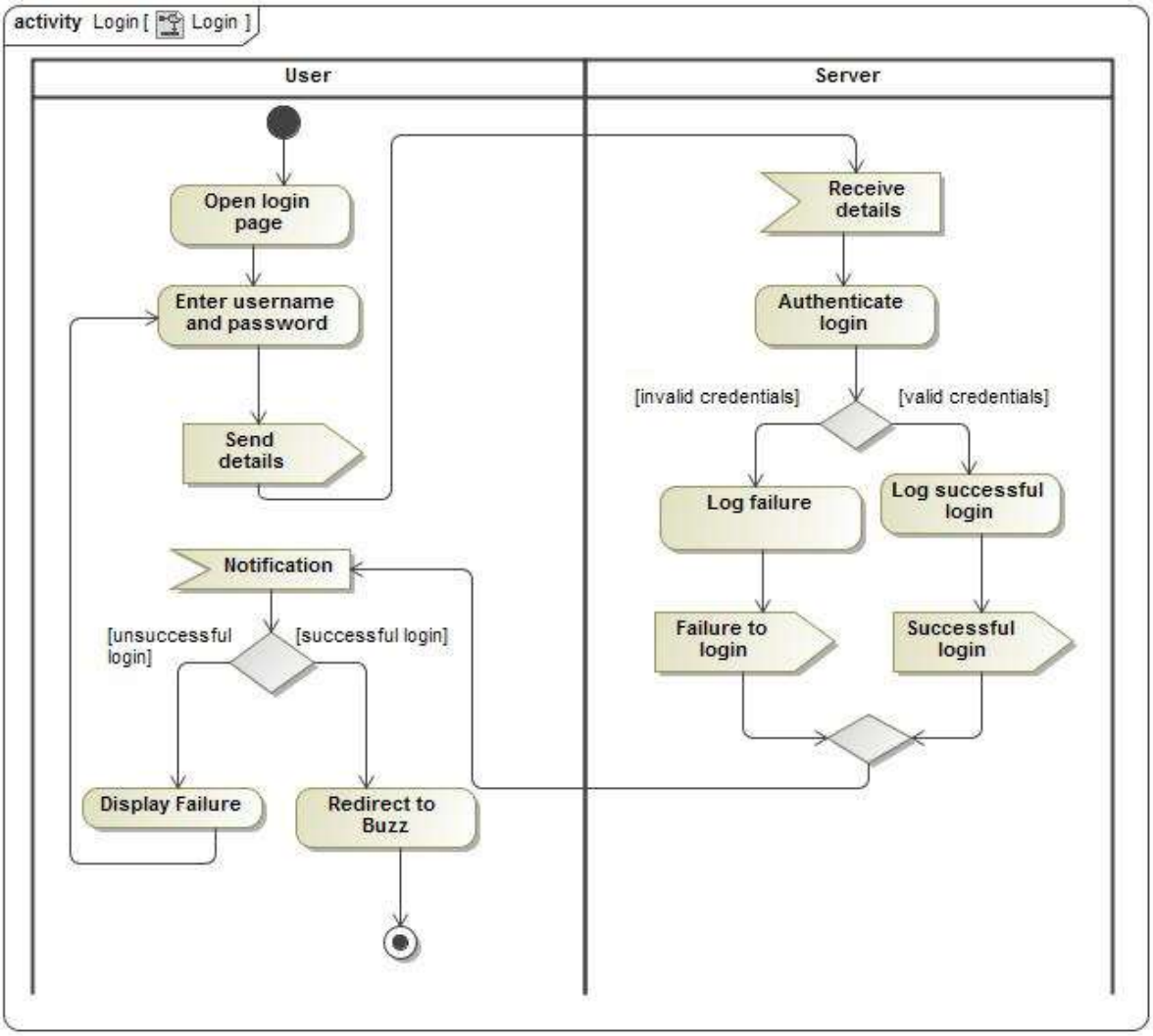
Delete_Template



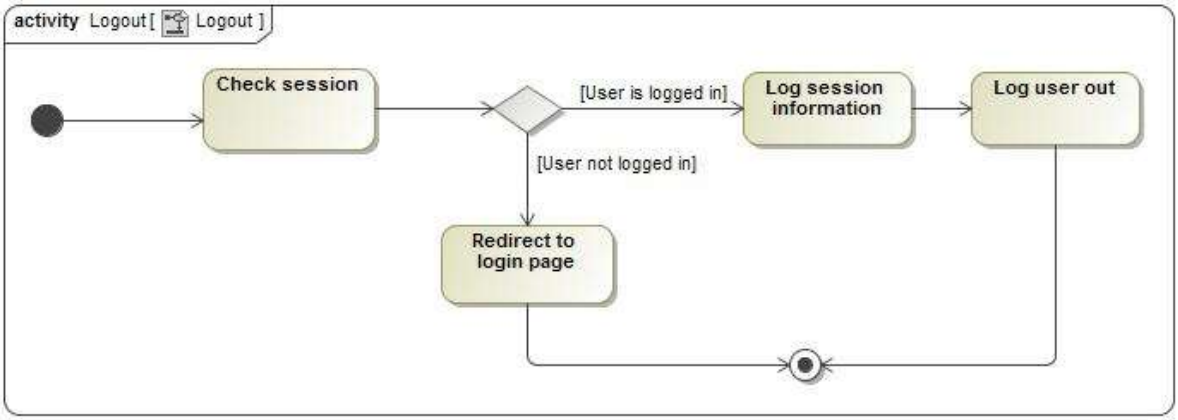
Edit_Post


activity Edit_Post [Edit_Post]
Check session
[valid session]
Get user modules
Check user registration
[registered for module]
Get post
[expired session]
Redirect to Login
Check if user owns post
[not registered for module]
[is user's post]
[is not user's post]
Display error message
Edit post
Flag as plagiarized
[plagiarism detected]
Do plagiarism check
Notify Buzz Space administrator
Further action may be taken based on admin's discretion.
[plagiarism check passed]

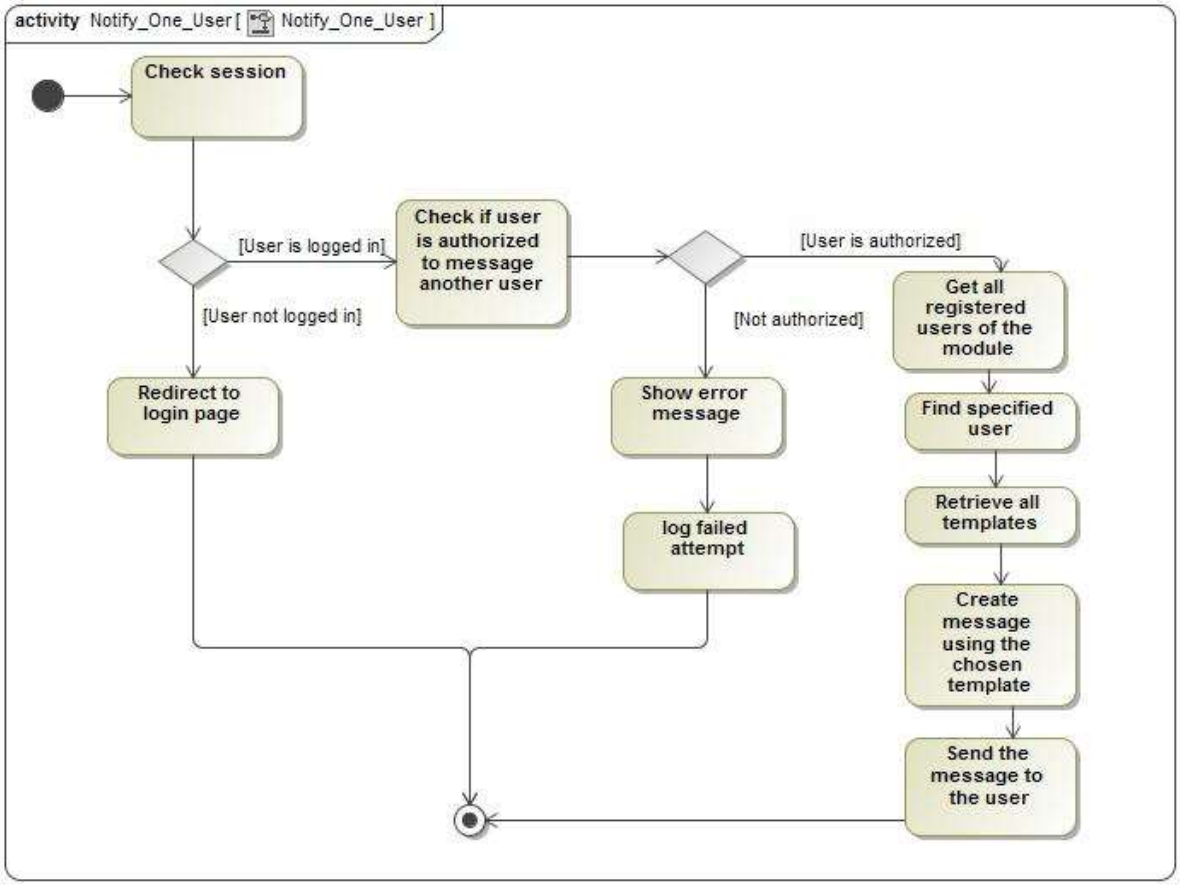
Login



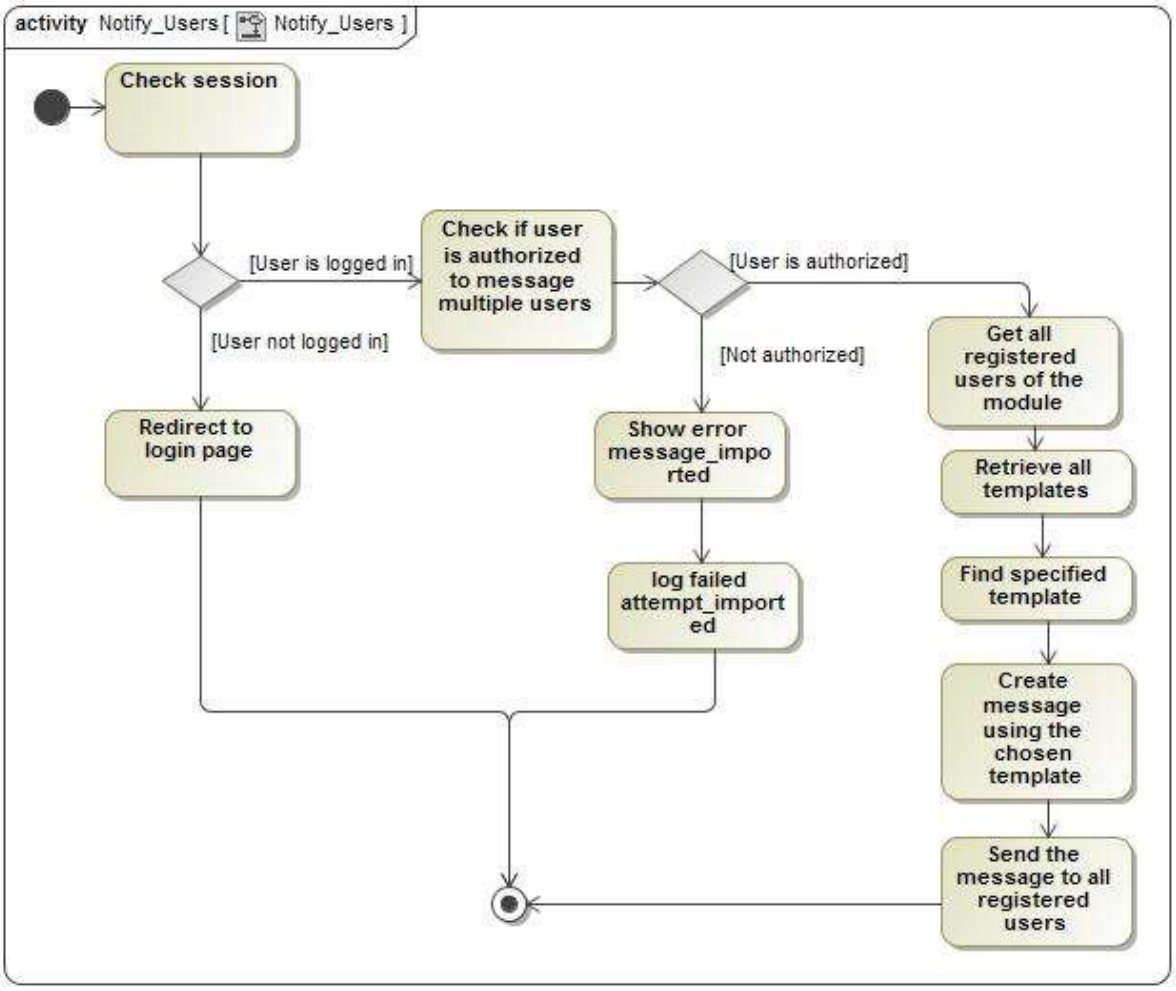
Logout



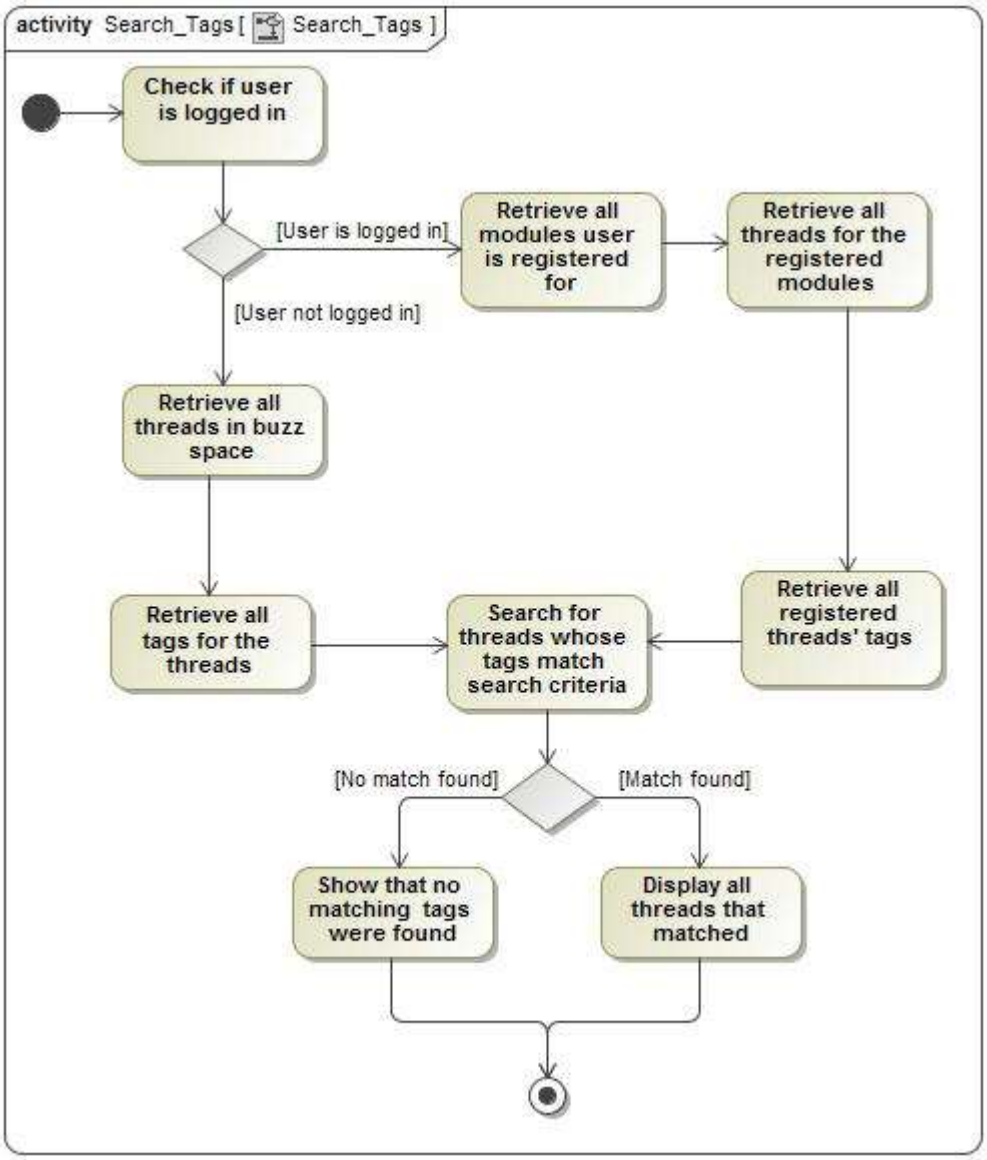
Notify_One_User



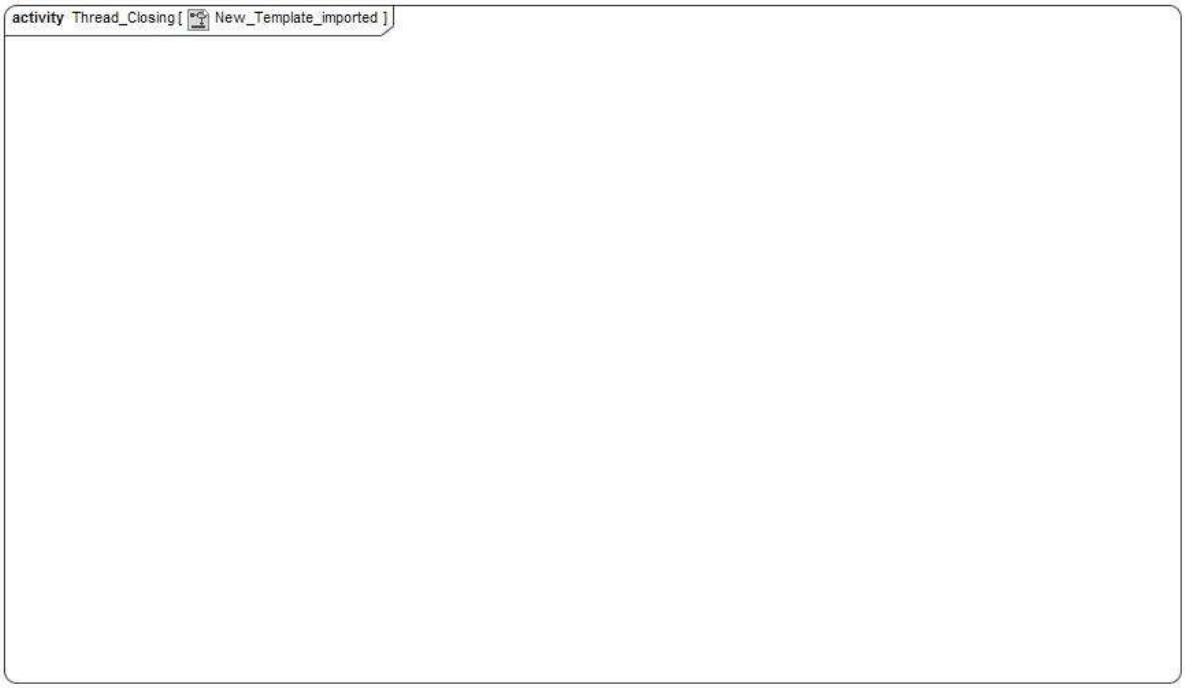
Notify_USers



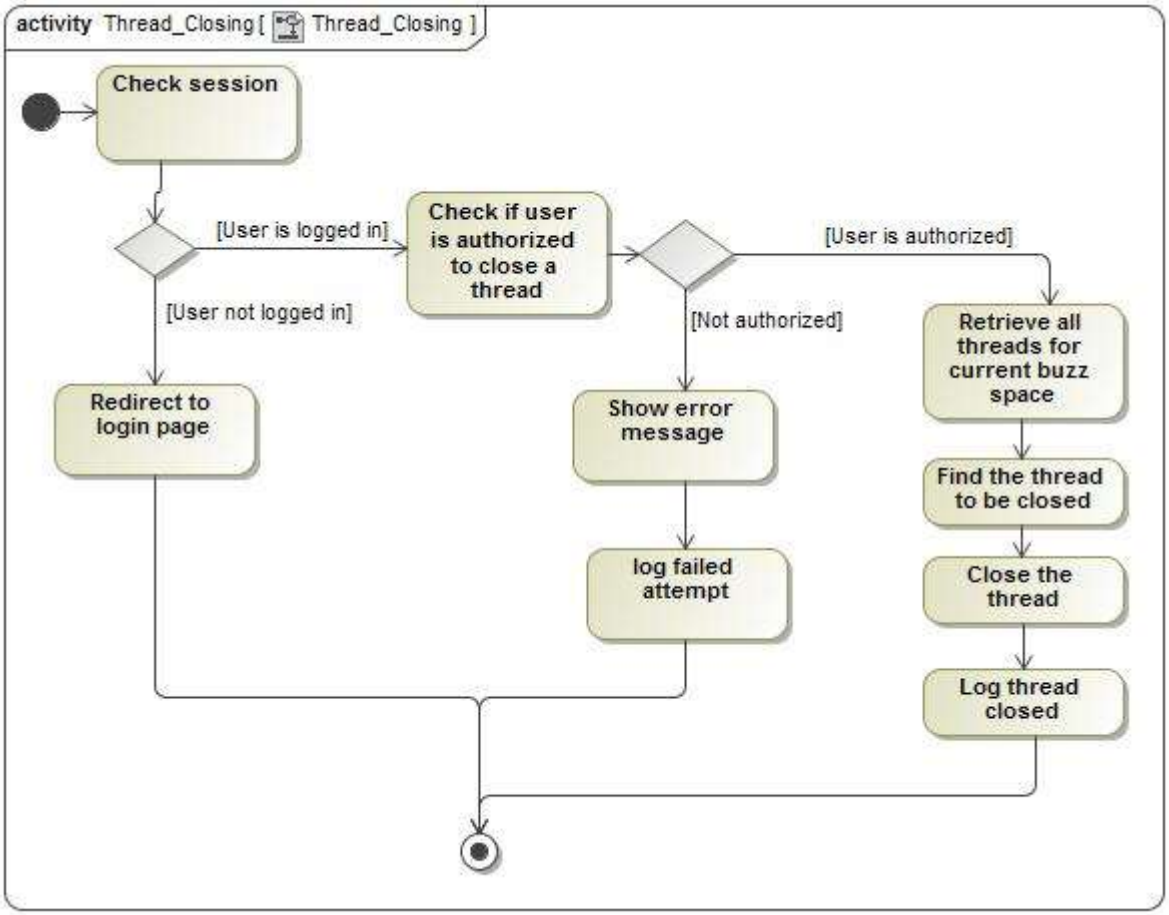
Search_Tags


activity Search_Tags [Search_Tags]
Check if user is logged in
[User is logged in]
Retrieve all modules user is registered for
Retrieve all threads for the registered modules
[User not logged in]
Retrieve all threads in buzz space
Retrieve all tags for the threads
Search for threads whose tags match search criteria
Retrieve all registered threads' tags
[No match found]
[Match found]
Show that no matching tags were found
Display all threads that matched

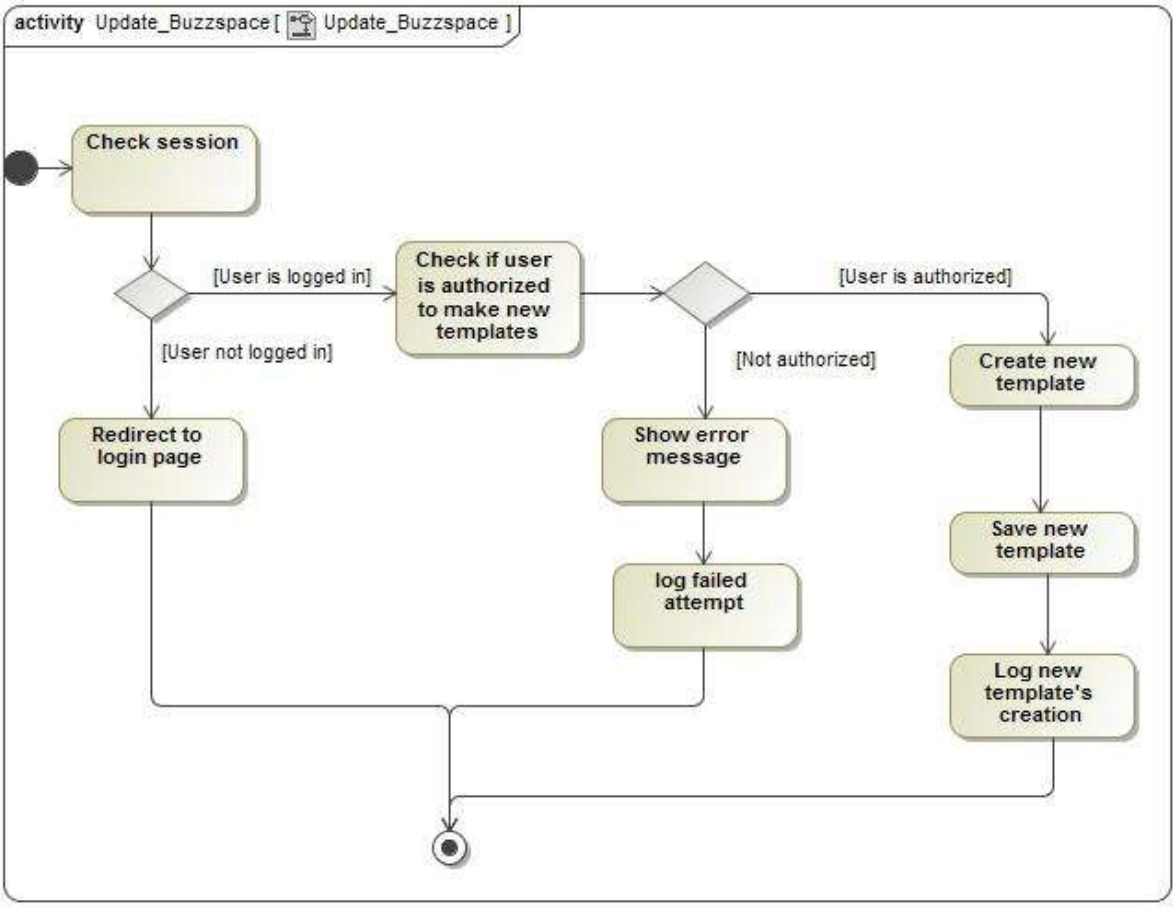
New_Template_imported



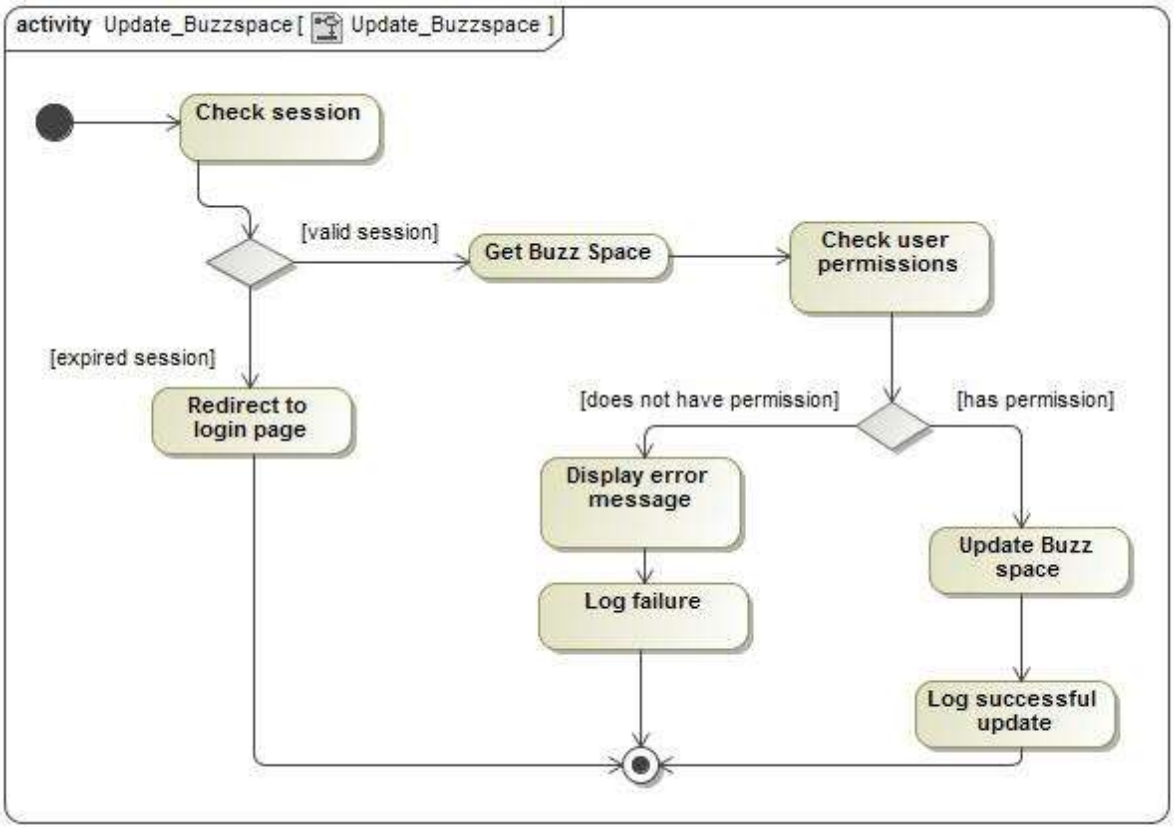
Thread_Closing



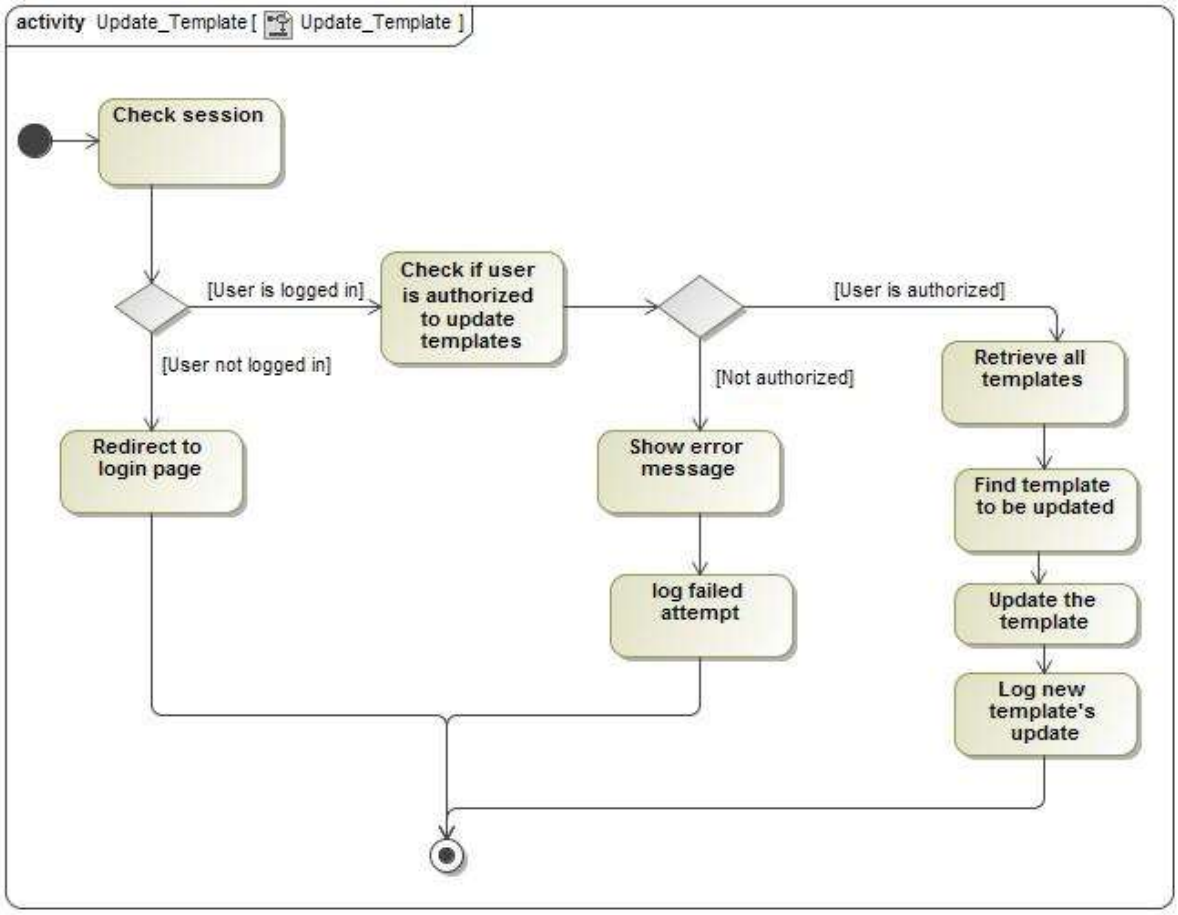
Update_Buzzspace



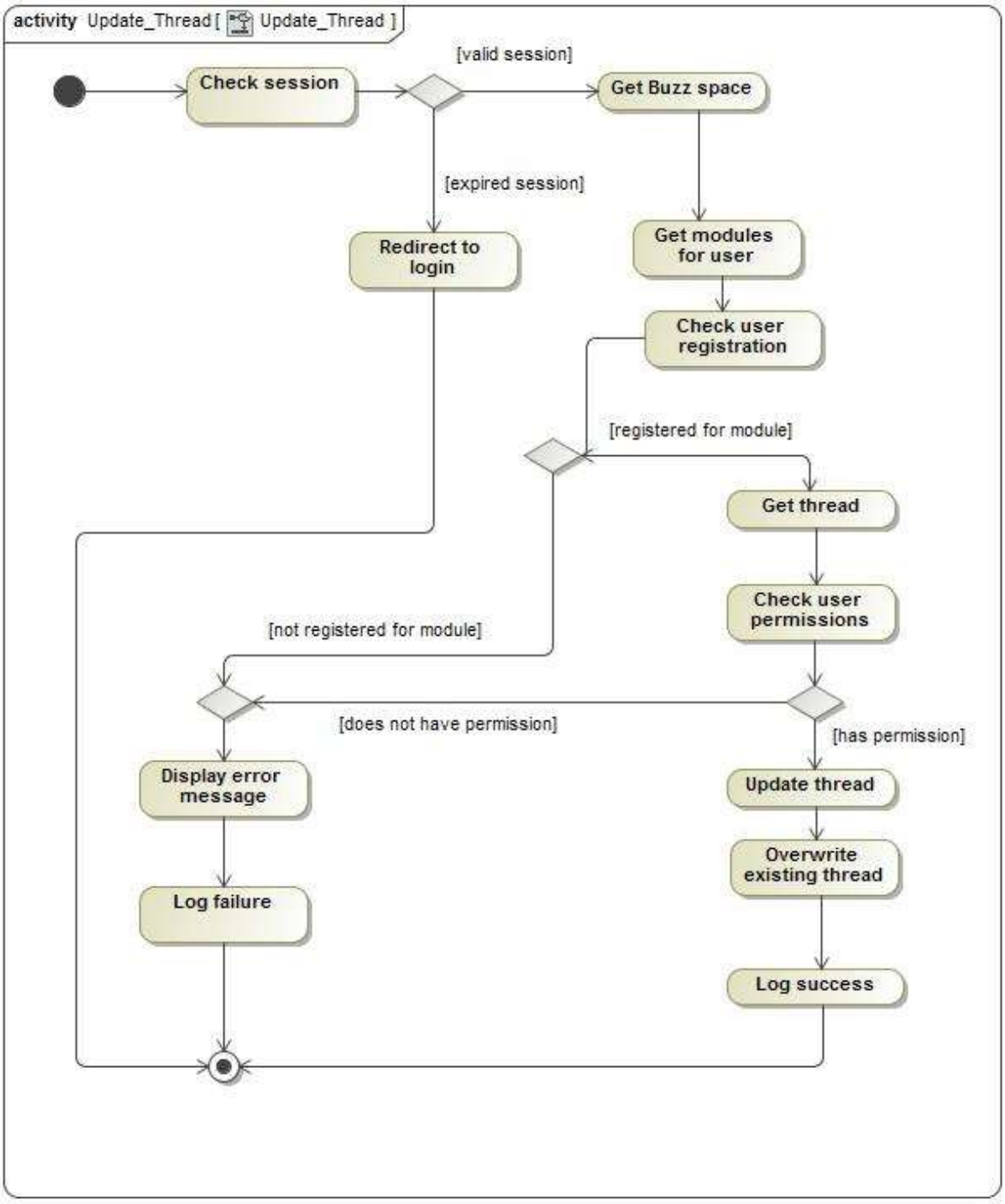
Update_Buzzspace



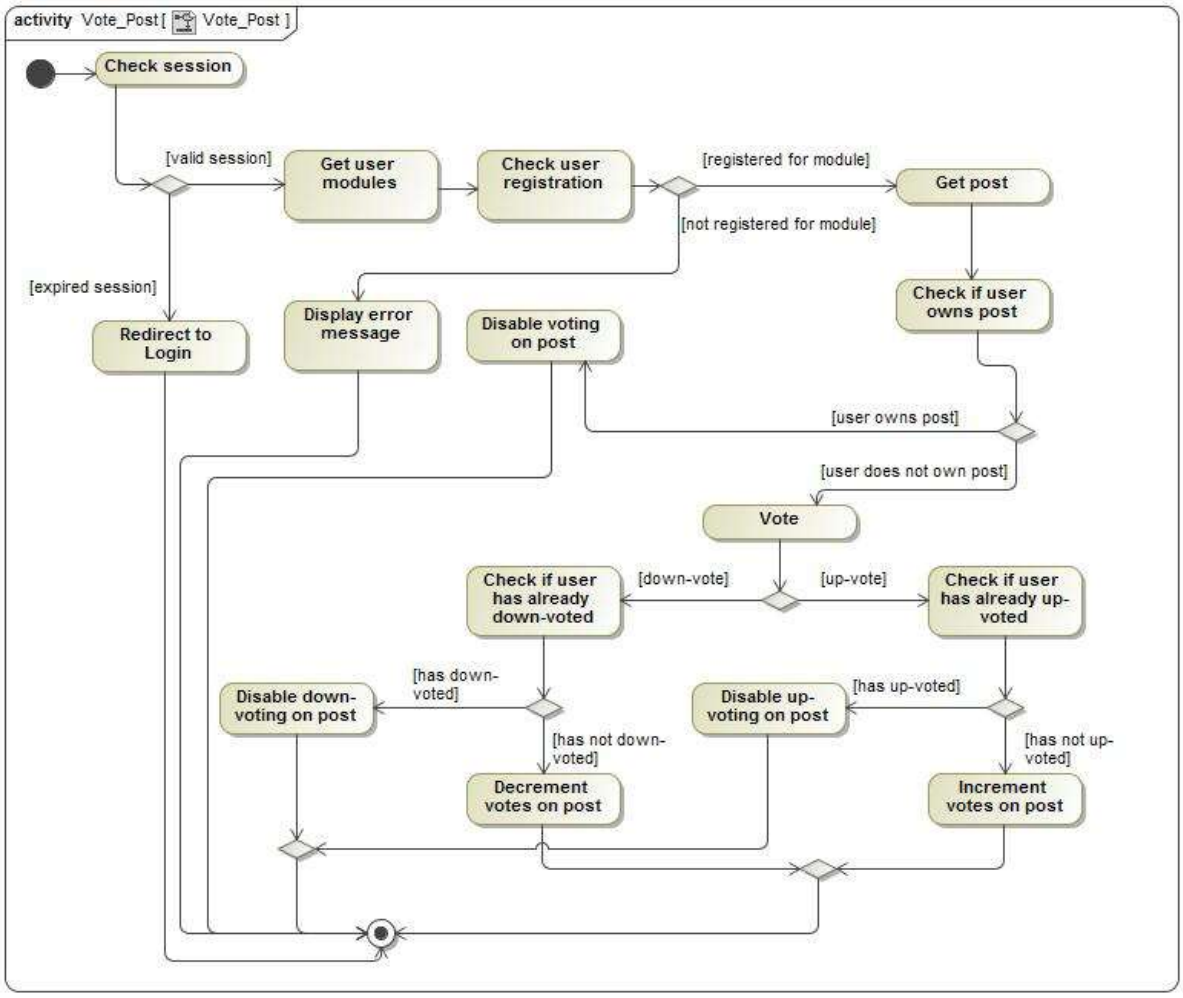
Update_Template



Update_Thread



Vote_Post


activity Vote_Post [Vote_Post]
Check session
[valid session]
Get user modules
Check user registration
[registered for module]
Get post
[not registered for module]
[expired session]
Redirect to Login
Display error message
Disable voting on post
Check if user owns post
[user owns post]
[user does not own post]
Vote
Check if user has already down-voted
[down-vote]
[up-vote]
Check if user has already up-voted
[has down-voted]
Disable down-voting on post
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Decrement votes on post
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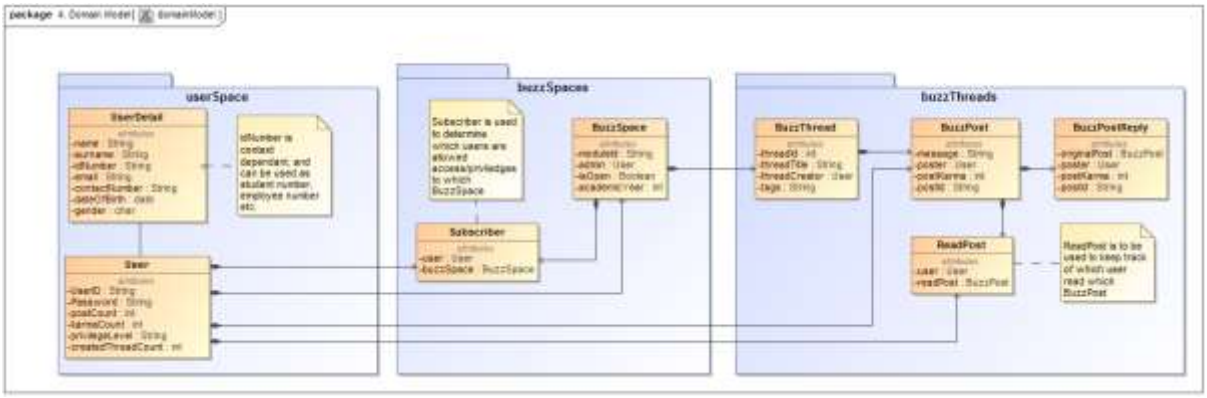
Disable up-voting on post
[has not up-voted]
Increment votes on post

Domain Model