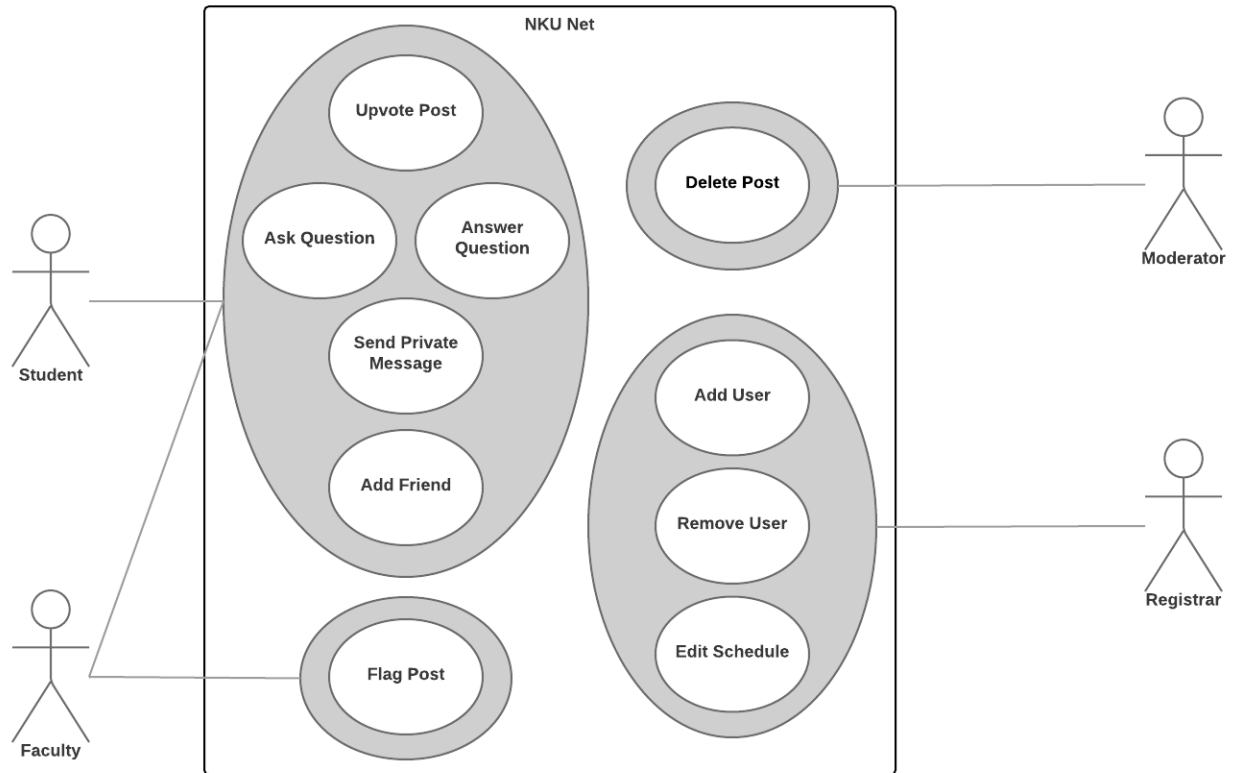


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Use Case Context Diagram:



Use Case UC1: Ask Question

Scope: Forum posting System

Level: User goal

Primary Actor: Student and Faculty

Stakes/Interests:

- Faculty – Wants to make topics that are relevant to the course on the forum.
- Student – Wants to discuss topics with others in the class on the forum.

Preconditions:

- Faculty or Student is logged in.
- Each class forum is separated from one another.

Success Guarantees: Post has title and content and ready to be posted on the forum.

Main Success Scenario:

1. Student or Faculty give the topic a title.
2. Student or Faculty create the body with the topic information.
3. Student or Faculty submit the topic.

Extensions:

- 3a. Topic is missing title, body, or both.
 1. Topic does not get posted.
 2. Goes back to the create topic page and system notifies the user.

Special Requirements: n/a

Tech & Data: Image compatibility, and accept special characters (e.g. other languages/symbols).

Frequency Of Occurrence: Very frequent, as many users should be participating.

Misc: User must be able to comment on posts.

Use Case UC2: Flag Post

Scope: Class Registration System

Level: User goal

Primary Actor: Faculty

Stakes/Interests:

- Faculty – wants to keep the discussion in the forum on-topic, clean, and friendly.
- Student – wants to have a peaceful discussion/debate with his/her classmates.

Preconditions:

- A Student has posted a comment that is off-topic and/or vulgar.
- Faculty is logged in.

Success Guarantees: The post made by the Student will be placed in a quarantine.

Main Success Scenario:

1. Faculty encounters a post that is off-topic and/or vulgar.
2. Faculty indicates that the post should be removed by flagging it.
3. After flagging it, Faculty writes the reason as to why the post should be removed.
4. The post is then temporarily removed and placed into a quarantined state.

Extensions:

- 3a: Reason is empty
1. The post is not flagged.
 2. System notifies the user to enter the reason why the post should be removed.

Special Requirements: n/a

Tech & Data: Flagged posts are to be stored in a location that a moderator is able to access.

Frequency Of Occurrence: Low frequency.

Misc: n/a

Use Case UC3: Delete Post

Scope: Forum posting System

Level: User goal

Primary Actor: Moderator

Stakes/Interests:

- Moderator – Wants to make sure that topics are kept on the subject matter, and nothing explicit is being posted.

Preconditions:

- Moderator is logged in and has access to all posts.
- Designated post has been flagged by a user.

Success Guarantees: Moderator deems post unfit for topic and removes from the forum.

Main Success Scenario:

1. Moderator thoroughly reviews post.
2. Moderator decides to either keep or remove the post.
3. Post gets removed by moderator.
4. Notifies all faculty within the class, with moderator's reason.

Extensions:

- 3a. Post is not removed by moderator.
 1. Post gets un-flagged.
 2. Notifies all faculty within the class that a flagged post has been un-flagged.

Special Requirements: n/a

Tech & Data: n/a

Frequency Of Occurrence: Low frequency, most users aren't purposely being malicious.

Misc: n/a

Use Case UC4: Upvote Post

Scope: Forum posting System

Level: User goal

Primary Actor: Student and Faculty

Stakes/Interests:

- Faculty – Wants to reward students that spread good information.
- Student – Wants to inform other students that their content was useful.

Preconditions:

- Faculty or student is logged in.
- Faculty or student can see the post.
- Faculty or student hasn't upvoted the post previously.

Success Guarantees: User clicks the upvote button and the post is still present.

Main Success Scenario:

1. Student or faculty navigate to a post and find it informative.
2. Student or faculty presses the upvote button.

Extensions:

- 2a. The post was deleted between viewing it and pressing "upvote".
 1. Upvote does not occur.
 2. User is notified that the post was deleted.

Special Requirements: n/a

Tech & Data: Upvote data member for post class. The posts can/will be sorted by upvotes.

Frequency Of Occurrence: Very frequent, as many users should be participating.

Misc: Highly upvoted comments or posts will be more visible on the site.

Descriptions of Remaining Use Cases:

Answer Question: A Student (or Faculty) finds a question to which they know the answer. The Student/Teacher writes their answer to the question and then submits it.

Send Private Message: A User (usually a Student or Faculty, but it could be a Moderator) wants to contact another User in a private, secure environment. The User navigates to the profile page of the User to which they want to send a message and indicates that he/she would like to send a message to that user. He/she then writes a message and then sends it. The recipient when logged in will be notified that he/she has a message. The recipient can choose to view, reply to, or delete the message.

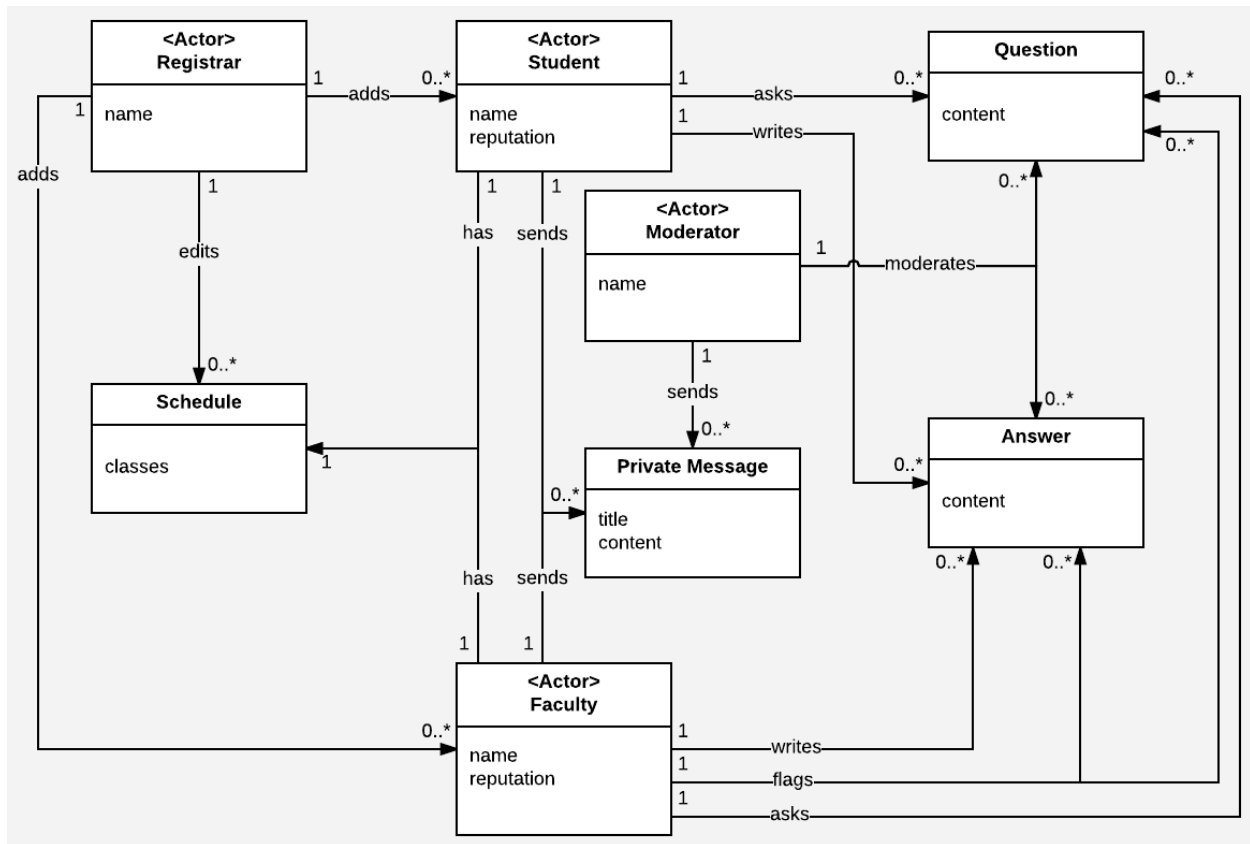
Add Friend: A User (usually a Student) wants to indicate (to the system) that they are friends with another user so that they may utilize extra features. The user navigates to the profile page of the desired user and indicates to the system that he/she would like to send a friend request to the selected user. The system sends the request to the desired user and he/she can accept or deny the request.

Add User: A Registrar wants to add a user(s) to system. The Registrar acquires the user's information (name, schedule, etc...) and enters it into the system.

Remove User: A Registrar wants to remove a user from the system. The Registrar navigates to the User's page and indicates that that User should be removed from the system.

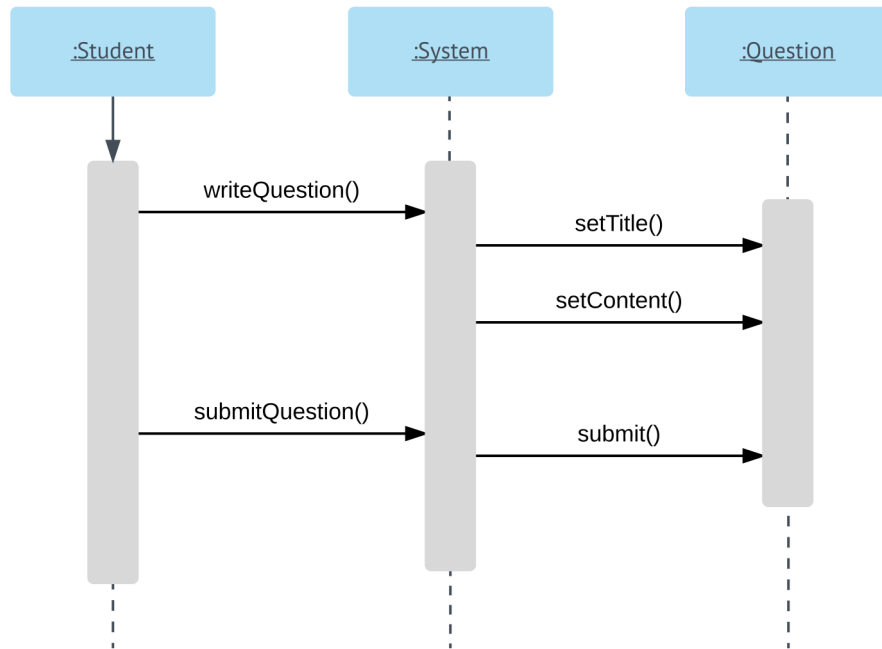
Edit Schedule: A Registrar wants to edit the schedule of a Student/Faculty. The Registrar navigates to the User's page, indicates that they would like to edit his/her schedule, indicates the changes that should be made to the schedule, and then applies the changes.

Domain Model:

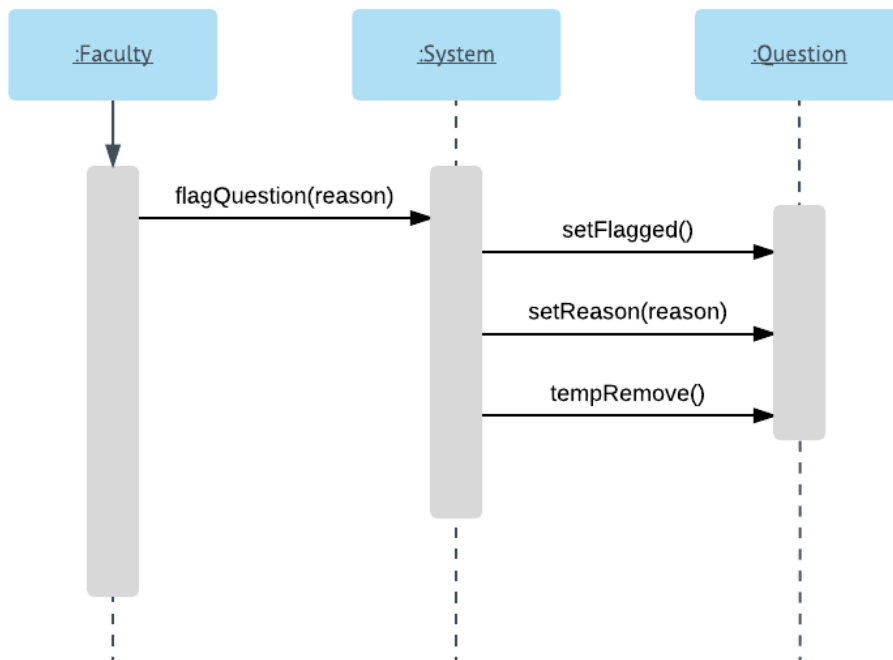


System Sequence Diagrams:

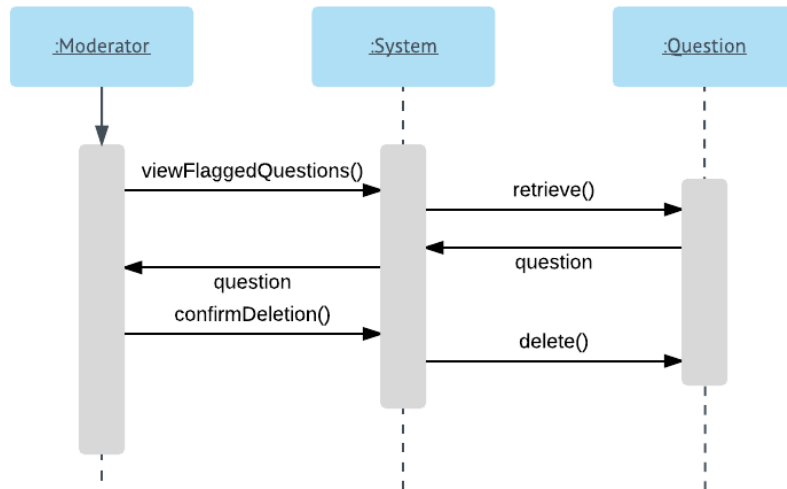
Ask Question:



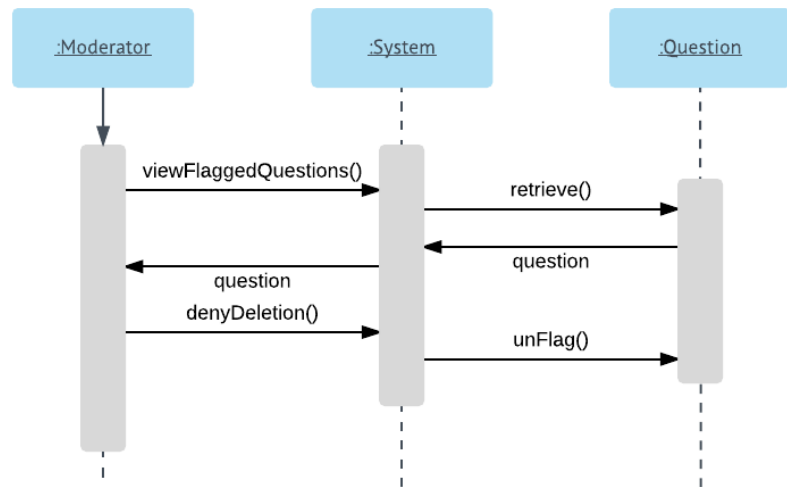
Flag Post:



Delete Post:



Delete Post Extension 3a:



Upvote Post:

