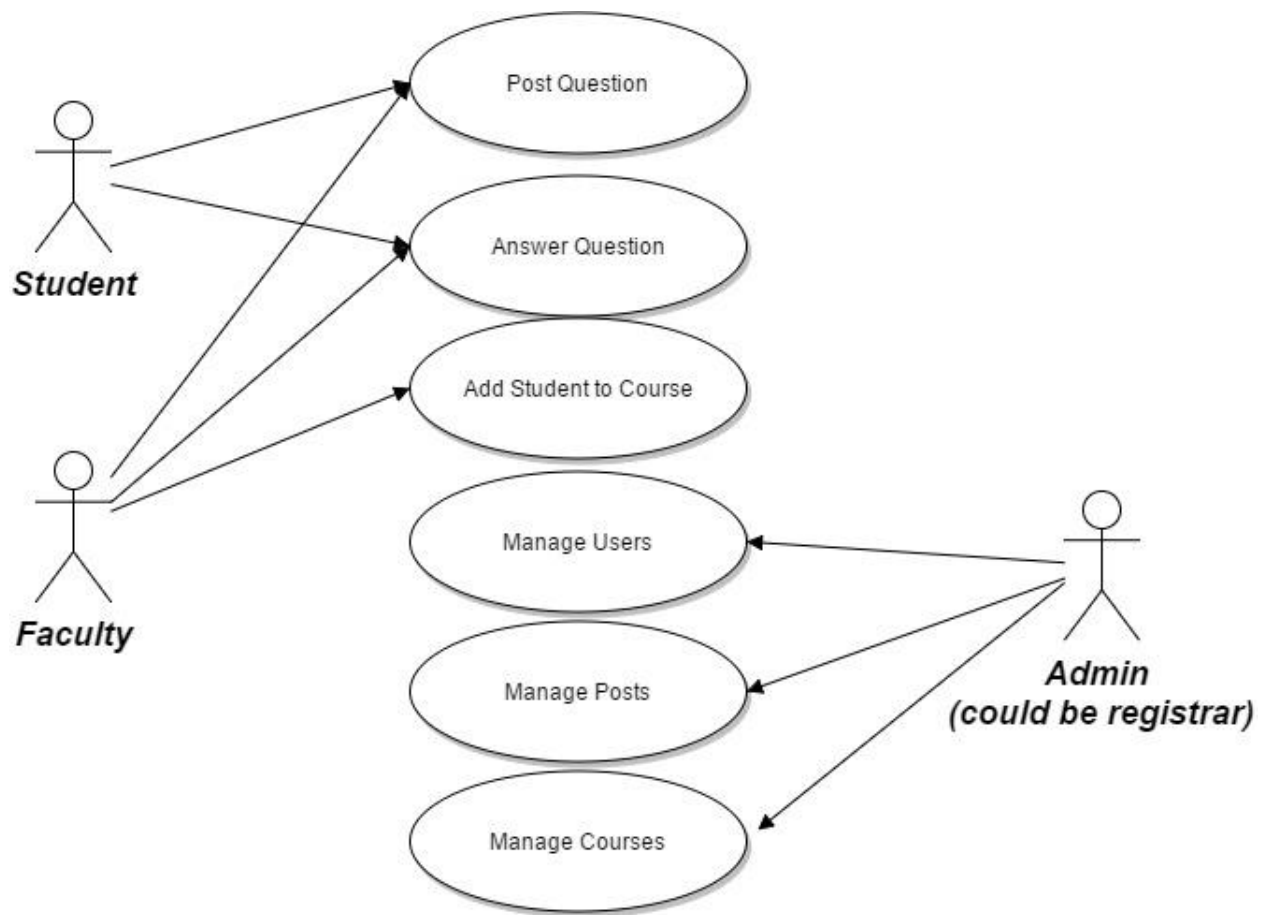


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**Use Case Model**

Fully Dressed Use Cases

Use Case 1: Post Questions

Primary Actor: Faculty and Student

Stakeholders and Interests:

- Faculty and Student: Post questions in forum to be answered

Preconditions: Finding the corresponding forum related to the question and posting the question

Postconditions: Question has been posted to the correct forum for other users to participate in the forum

Summary: A user wants to post a question to a forum related to their question. The question is posted and is a part of the forum. Other users can now answer and or ask follow up questions.

Basic Flow:

1. User has a question that they want to discuss
2. User locates the forum related to their question
3. User posts question

Alternate Flow:

2. User has a question that doesn't relate with any created forum
 - User can post it in the incorrect forum
 - Or, User contacts Administrator with request to create a forum

Use Case 2: Answer Questions

Primary Actor: Faculty and Student

Stakeholders and Interests:

- Faculty and Student: Post answers and vote on answers that were posted by other users

Preconditions: Observing different questions that are posted in a given forum and coming across a question that the user has an answer to or an opinion on an answer already posted

Postconditions: An answer to a question that was posted is posted

Summary: A user comes across a question that they have an answer to and post it to the forum where other users can observe the forum after it has been updated. A user sees an answer they have an opinion about and vote on the answer.

Basic Flow:

1. User visits different forums.
2. User reads posted questions.
3. User discovers a question that they have an answer to.
4. User posts the answer to the question on the forum.

Alternate Flow:

3. User never comes across a question that they have an answer to
 - User doesn't post anything
4. User sees similar answer already
 - User votes yes to agree with answer
4. User sees an answer that is incorrect
 - User votes no to disagree with answer

Use Case 3: Manage Users

Primary Actor: System Admin

Stakeholders and Interests:

- Students: want up to date answers from other users that, for example, a 20 year alum won't be able to provide.
- Faculty and Board of Regents: want a safe platform for students to converse, so multiple time offenders should lose privileges to post.

Preconditions: User is authenticated and identified as admin.

Postconditions: Users are added if they are a freshman and deleted from the system if they are a graduating senior

Basic Flow:

1. Admin checks status of student
2. Admin determines what to do based on student status

Alternate Flow:

2. Student is a freshman
 - Student is added to the system
3. Student is a graduating senior
 - Student is deleted from system

Use Case 4: Manage Courses

Primary Actor: Registrar/Admin

Stakeholders and Interests:

- Students: want to know who is in their class

Preconditions: User is identified and authenticated as a registrar.

Postconditions: Class page is generated for classes which don't already exist in system.

Summary: Registrar creates classes for the current semester, so that students can connect their current courses to their profile page.

Basic Flow:

1. Registrar inputs class identifier.
2. Registrar inputs faculty identifier for instructor.
3. Registrar inputs class information.
4. Registrar saves class.

Alternate Flow:

1. Class already exists.
 - Registrar edits class information.
 - Registrar saves class.
2. System can't find faculty member.
 - Registrar adds faculty user.
 - Proceeds to step 3.

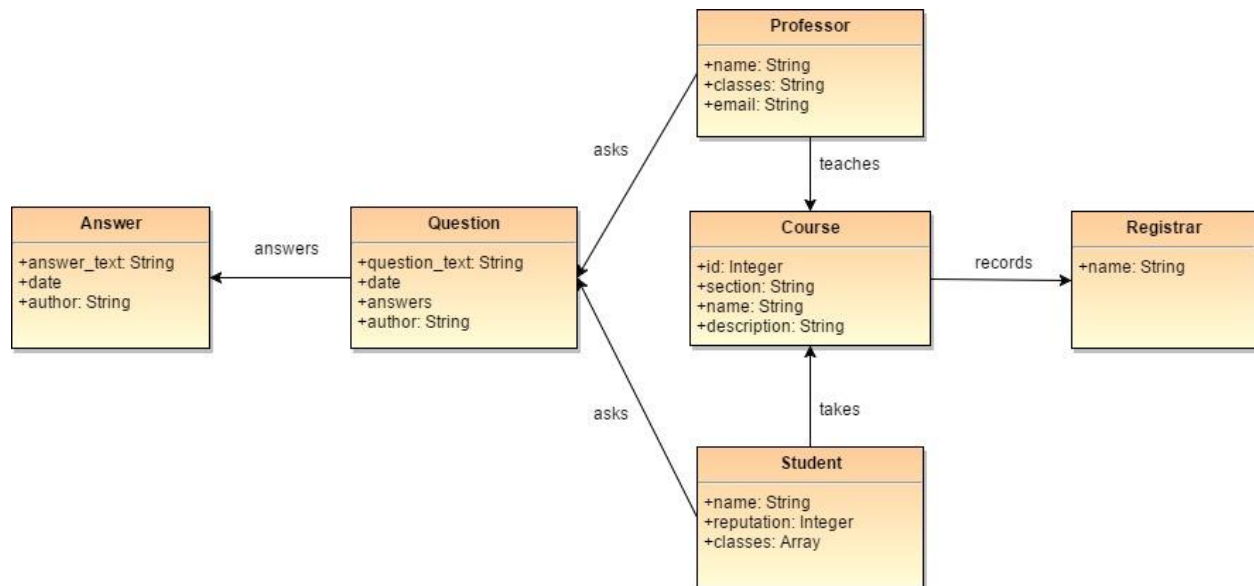
Use Case 5: Manage Posts

Administrator regulates whether to delete a post or not. It can either be a question or answer any student has made. This would be usually done when a question or answer is considered inappropriate

Use Case 6: Add Student to Course

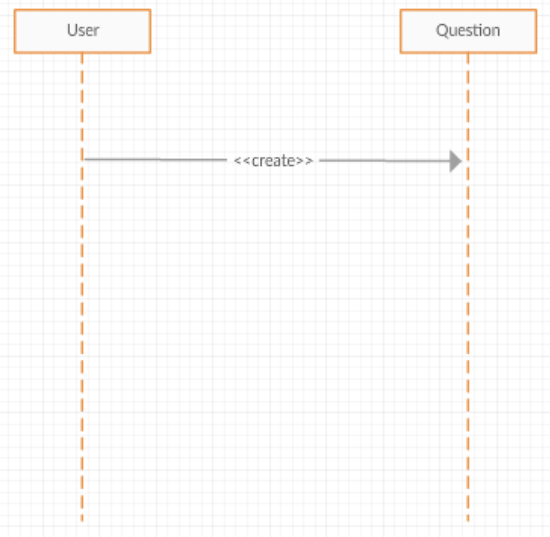
The faculty member who is teaching the specific course approves students on being added into the course. The student themselves requests to be added into the course. Faculty members are allowed to denied access if the student isn't enrolled in that course or has never taken that course before.

Domain Model

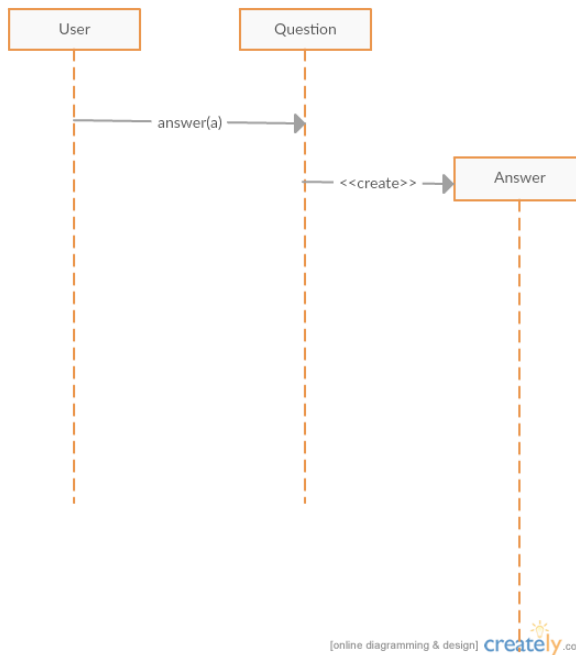


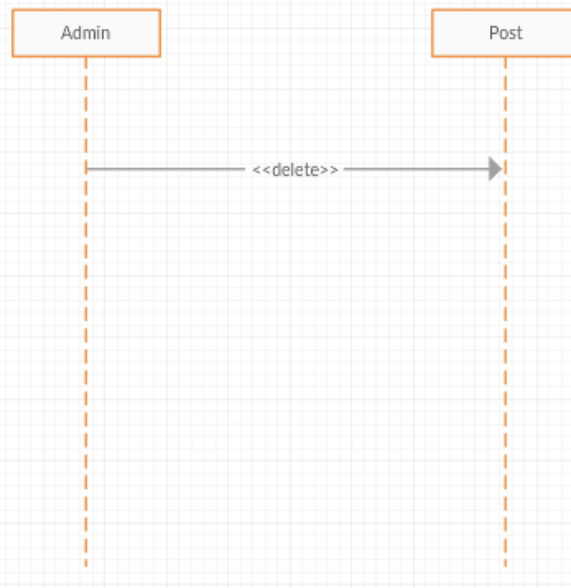
System Sequence Diagrams

UC Post Question



UC Answer Question



UC Manage Post**UC Manage Users**