

## **Use Cases**

- Post Questions (faculty and student)
- Answer Questions (faculty and student)
- Up/Down Vote Answer (faculty and student)
- Create forum (faculty and student)
- View Forums (everyone)
- View Question (everyone)
- View Class Page (everyone)
- Search Questions (everyone)
- Add classes (registrar)
- Join class (student)
- Approve/remove student from course (faculty)
- Add faculty or student users (registrar)
- Add users (admin)
- Edit users (admin)
- Delete users (admin)
- Edit questions/answers (admin)
- Delete forum (admin)
- Delete questions/answers (admin)
- Create class description (registrar)

### **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 to questions 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

**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

**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

### **Use Case 3: Up/Down Vote Answer**

**Primary Actor:** Student and Faculty Member

**Stakeholders and Interests:**

- Student: wants reliable answers to questions
- Faculty Member: wants students to have access to correct answers

**Preconditions:** Student and Faculty are identified and authenticated

**Postconditions:** Question is given an up or down vote by user, user's reputation is calculated

**Summary:** Student and/or Faculty member reads question, decides if they agree with the answer given, then clicks the up or down arrow to vote appropriately. User's reputation is calculated

**Basic Flow:**

1. Student/Faculty reads answer.
2. User decides if they agree with answer.
3. User clicks up or down arrow to show their decision.
4. User's reputation is calculated.

**Alternating Flow:**

2. User doesn't think answer makes sense
  - User doesn't vote up or down
  - Marks as inappropriate

### **Use Case 4: View Forums**

**Primary Actor:** Student, Faculty, Admin, and Registrar

**Preconditions:** User is identified and authenticated

**Postconditions:** Forum is displayed

**Summary:** Click on forum, a list of questions and summary information (who asked question, date and time question was asked, number of answers, date and time of last answer)

**Basic Flow:**

1. User clicks on a forum.
2. System presents list of questions.

3. System presents summary information, which includes who asked question, date and time question was asked, number of answers, date and time of last answer.

**Alternating Flow:**

1. User doesn't click on a forum
  - Forum isn't presented to user

**Use Case 5: Add Class**

**Primary Actor:** Registrar

**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 6: Delete 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:** Deleted user no longer has access to system.

**Basic Flow:**

1. Admin enters identifying information of user into system.
2. System finds user.
3. Admin deletes user.

**Alternate Flow:**

2. The system doesn't find the user.
  - System prevents the deletion.

