َQuiz System - Use Cases

| ID | #1 |
| --- | --- |
| Name | Login |
| Actors | * Professor * Student |
| Preconditions | None. |
| Main Flow | 1. Professor/Student opens the Quiz System Application 2. The system shows a login screen 3. Professor/Student enters valid credentials (username and password) 4. If credentials are valid, the system grants access to the professor/student 5. Professor/Student gains access to the system's features |
| Alternate Flow | If the credentials entered are not valid, the system displays an error message and the professor/student are asked to re-enter the correct credentials |

| ID | #2 |
| --- | --- |
| Name | Create Quiz |
| Actors | Professor |
| Preconditions | Login |
| Main Flow | 1. The system presents the professor with the option to create a quiz 2. Professor selects “Create Quiz” 3. Professor setup the settings for the quiz (Title, time limit, etc) 4. Professor adds questions to the quiz, specifying question types 5. Professor saves the quiz |
| Alternate Flow | If any of the fields is empty or invalid, the system shows an error and the professors re-enters the valid data. |

| ID | #3 |
| --- | --- |
| Name | Manage Questions |
| Actors | Professor |
| Preconditions | Login |
| Main Flow | 1. Professor navigates to the "Question Management" section. 2. Professor selects the option to edit or delete existing questions. 3. Professor makes changes or deletes questions as needed. 4. Professor has the option to add new questions. 5. Professor chooses whether to save or cancel the changes. 6. Display “Are you sure you want to save/cancel?” 7. If the answer was yes the changes are saved/cancelled. 8. Display the code and the share link for the quiz |
| Alternate Flow | If there is an issue with editing or deleting questions, the system provides an error message and allows the professor to retry. |

| ID | #4 |
| --- | --- |
| Name | Take Quiz |
| Actors | Student |
| Preconditions | Login |
| Main Flow | 1. Student navigates to the "Take Quiz" section. 2. Student enters the quiz code 3. Student presses “Ready” 4. Student begins to answer the questions within the time limit specified. |
| Alternate Flow | * If the student tries to take a quiz after the deadline, the system prevents them from starting the quiz and provides a notification. * If the quiz time is out, the student can’t answer more questions and the system submits the answered questions automatically. |