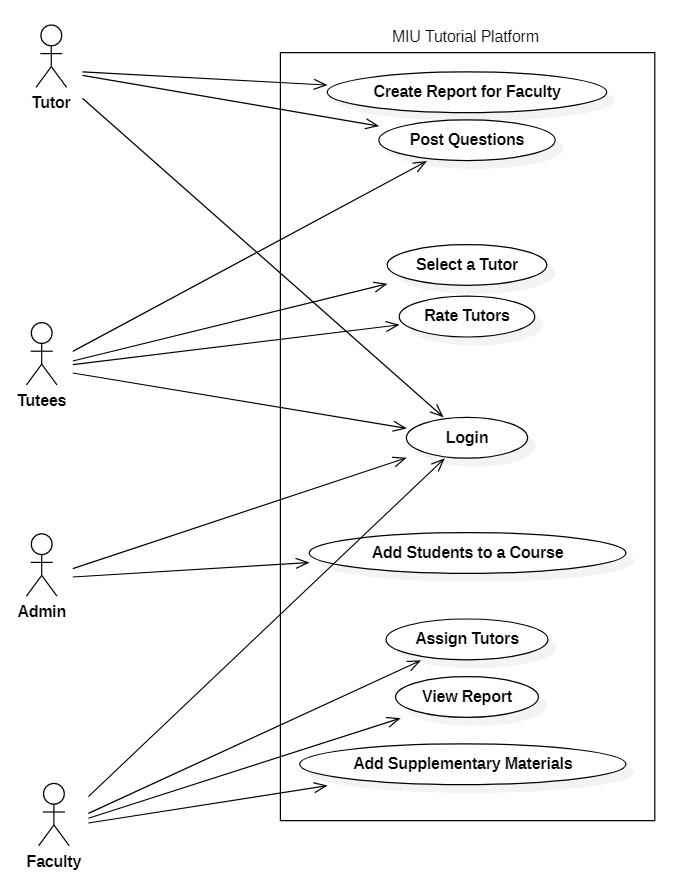
**MIU Tutoring Platform SRS Document**

1. **Use Cases**
   1. **Use case diagram**
   2. **Use case descriptions**

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| **Use Case Number: 1** | | |
| **Name** : Login | | |
| **Brief description** : Login to the system | | |
| **Actors** : Tutor, Tutee, Faculty, System Admin | | |
| **Preconditions** | | |
| The login page is displayed | | |
| **Flows of Events:** | | |
| **1. Basic Flows** | | |
| **Login** | | |
| **Step** | **User Actions** | **System Actions** |
| 1 | The tutor will put in his credentials and select the login option | The system validates the email and password and displays the homepage |
| **Post conditions** | | |
| The tutor page will opened for the tutor | | |
| **Business Rules** | | |
| The user should have an existing username and password | | |
| **Alternate Paths** | | |
| If the user entered invalid credentials an error should be displayed | | |
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| **Use Case Number: 2** | | |
| **Name** : Post a question | | |
| **Brief description** :this use case provides a functionality for posting questions | | |
| **Actors** : Tutor | | |
| **Preconditions** | | |
| The tutor is signed and on the tutorial page | | |
| **Flows of Events:** | | |
| **1. Basic Flows** | | |
| **Post a question** | | |
| **Steps** | User Action | System Response |
| **1** | The tutor select the option to post the question | The system will display text box to write and post the question |
| **2** | The tutor write the question and post | The system will display post the question on the page |
| **Post conditions** | | |
| The question of the tutor will be posted on the page | | |
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| **Use Case Number: 3** | | |
| **Name** : Create a report for faculty | | |
| **Brief description** :This use case allows the tutor to create a performance report about the tutee | | |
| **Actors** : **Tutor** | | |
| **Preconditions** | | |
| The tutor is signed and on the tutorial page | | |
| **Flows of Events:** | | |
| **1. Basic Flows** | | |
| **Create a report for faculty** | | |
| **Steps** | User Action | System Response |
| **1** | The tutor select the command report | The system displays the form |
| **2** | The tutor write the report on the form and submit | The system saves the information to the database and returns the success message |
| **Post conditions** | | |
| The report will be created and submitted | | |

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| **Use Case Number: 4** | | |
| **Name** : Select a tutor | | |
| **Brief description** : Tutee selects their preferred tutor | | |
| **Actors** : Tutee | | |
| **Preconditions** | | |
| **Must be log in to the system** | | |
| **Flows of Events:** | | |
| **1. Basic Flows** | | |
| **Select tutors for a course** | | |
| **Step** | **User Actions** | **System Actions** |
| 1 | Tutee selects course tutorial for the given block | System display tutors list for the selected course |
| 2 | Tutee requests for a tutor detail | System displays detail for the selected tutor |
| 3 | Tutee chooses a tutor | System redirects tutees to the tutorial group of the selected tutor |
| **Postconditions** | | |
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| **Business Rules** | | |
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| **Alternate Paths** | | |
| 1. **If there are no available tutors for the course**   The system will display the message that there are no available tutors currently   1. **If the selected tutor has maximum number of tutees**   The system will display the message that the tutor has reached his/her maximum quota for tutees | | |

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| **Use Case Number: 5** | | |
| **Name** : Post a question | | |
| **Brief description** : Tutees post questions they have on the platform | | |
| **Actors** : Tutee | | |
| **Preconditions** | | |
| **The tutee must sign up to the tutorial course** | | |
| **Flows of Events:** | | |
| **1. Basic Flows** | | |
| **Create questions** | | |
| **Step** | **User Actions** | **System Actions** |
| 1 | Tutee selects the course he/she is enrolled in | The system displays the tutorial group the tutee is in for the selected course |
| 2 | Tutee selects the tutorial group he/she is in | The system displays the homepage for the tutorial group |
| 3 | Tutee submits question | The system saves the question in the database and displays it on the course tutorial channel |
| **Postconditions** | | |
| Tutor and other students will be able to see the questions posted | | |
| **Business Rules** | | |
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| **Alternate Paths** | | |
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| **Use Case Number: 6** | | |
| **Name** :  Rate a tutor | | |
| **Brief description** : Tutees will have a chance to give their feedback to their tutors | | |
| **Actors** : Tutee | | |
| **Preconditions** | | |
| **Tutorial session must be complete for that course** | | |
| **Flows of Events:** | | |
| **1. Basic Flows** | | |
| **Rate the tutor** | | |
| **Step** | **User Actions** | **System Actions** |
| 1 | Tutee clicks on a button for rating a tutor | Displays rating form for the tutee to fill in |
| 2 | Tutee fill out the form | Saves the feedback and redirects to the homepage |
| **Postconditions** | | |
| Rating of tutors will be available for display on the tutor channel | | |
| **Business Rules** | | |
| Rating of the tutors must be persisted and displayed on the tutor channel for the course | | |
| **Alternate Paths** | | |
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| **Use Case Number: 7** | | |
| **Name** : Add students to a course | | |
| **Brief description** : The admin will add a student to his/her respective courses. | | |
| **Actors** : System Admin | | |
| **Preconditions** | | |
| System admin is logged in to the system. | | |
| **Flows of Events:** | | |
| **1. Basic Flows** | | |
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| **Step** | **User Actions** | **System Actions** |
| 1 | The system admin requests for a list of available courses. | The system returns a list of all available courses. |
| 2 | The system admin selects the course they want to add students in and click on add students. | The system displays back a form for adding students to a course. |
| 3 | The system admin adds a list of students and requests the system to save the new details | The system adds the students to the course and returns a success message |
| **Postconditions** | | |
| The students are added to a course. | | |
| **Business Rules** | | |
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| **Alternate Paths** | | |
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| **Use Case Number: 8** | | |
| **Name** : Assign tutors for a given course | | |
| **Brief description** : The faculty will select a tutor for a given course. | | |
| **Actors** : Faculty | | |
| **Preconditions** | | |
| Faculty is logged in to the system.  The tutor should satisfy the requirements to be a tutor. | | |
| **Flows of Events:** | | |
| **1. Basic Flows** | | |
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| **Step** | **User Actions** | **System Actions** |
| 1 | The faculty requests for a list of tutor requests. | The system returns a list of all tutors who have applied to a course. |
| 2 | The faculty selects a tutor to see details. | The system displays back a  profile page of the selected tutor. |
| 3 | The faculty selects APPROVE on the confirmation dialog window to confirm approving the student to be a tutor for the course. | The system adds the student to the list of tutors for the given course. |
| **Postconditions** | | |
| The course will have a tutor. | | |
| **Business Rules** | | |
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| **Alternate Paths** | | |
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| **Use Case Number: 9** | | |
| **Name:** View Reports | | |
| **Brief description:** This use case allows the faculty member to view reports submitted by tutors about tutees | | |
| **Actors:** MIU faculty | | |
| **Preconditions** | | |
| 1. The user must be a faculty member that is teaching in that specific block  2. The user is logged on to his/her dashboard | | |
| **Flows of Events:** | | |
| **1. Basic Flows** | | |
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| **Step** | **User Actions** | **System Actions** |
| **1** | User selects the reports tab/button from his/her dashboard | The system displays the reports submitted by the tutors in a tabular form |
| **2** | User exports the report in a specified file format (pdf, excel) | The system then exports the report and prompts the user to save the exported file in a specific directory |
| **Postconditions** | | |
| Reports are persisted for the duration of the entire block | | |
| **Business Rules** | | |
| The faculty member must have a class that he/she is teaching in that specific block(month) | | |
| **Alternate Paths** | | |
| 1. **User just views the report and doesn’t export the table**  If the user doesn’t export the generated report to a file, the report will be kept for the future | | |

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| **Use Case Number: 10** | | |
| **Name:** Post supplementary files and resources | | |
| **Brief description:** This use case allows the faculty member to post supplementary materials to aid the tutors | | |
| **Actors:** MIU faculty | | |
| **Preconditions** | | |
| 1. The user must be a faculty member that is teaching in that specific block | | |
| **Flows of Events:** | | |
| **1. Basic Flows** | | |
|  | | |
| **Step** | **User Actions** | **System Actions** |
| **1** | User goes to share resources tab/button in his/her dashboard | The system displays the window that has a list of active tutors for that specific course |
| **2** | User selects the tutor he/she wants to share the resources with | The system displays the window that allows uploading of resources/files with the selected tutor |
| **3** | User uploads the materials and presses the share button | System shows success of file upload |
| **Postconditions** | | |
| The shared resources are available for viewing/download by the tutor | | |
| **Business Rules** | | |
| The faculty member must have a class that he/she is teaching in that specific block(month) | | |
| **Alternate Paths** | | |
| 1. **File is larger than the maximum allowed size**  If the file size is larger than the maximum allowed size, the system displays an error message saying that the file is too large | | |

1. **Supplementary Specifications**

**Objectives**

The purpose of this document is to define non-functional requirements of the MIU Tutoring Platform. This Supplementary Specification lists the requirements that are not readily captured in the use cases of the use-case model. The Supplementary Specifications and the use-case model together capture a complete set of requirements on the system.

**Scope**

This Supplementary Specification applies to the MIU Tutoring Platform . This specification defines the non-functional requirements of the system; such as reliability, usability, performance, and supportability as well as functional requirements that are common across a number of use cases. (The functional requirements are defined in the Use Case Specifications.).

**Reliability**

The main system must be running 95% of the time.

**Performance**

The system shall support up to 150 simultaneous users against the central database

at any given time.

**Security**

None

**Design Constraints**

The system shall integrate with an existing student database, the MIU infosys or Student Portal, which has a list of all students with their respective list of courses.

1. **Glossary**

**Faculty** : a professor(member of faculty) who has a privilege to assign tutors for a given course

**System admin**: Administrator/registrar/IT Dept./ who have super user access over the system

**Tutee** : A student who is enrolled for the blocked to be tutored

**Tutor** : A student who gives tutorial to other students

**Project repository :** [**https://github.com/MIU-CS425-Project/miu-tutoring-platform**](https://github.com/MIU-CS425-Project/miu-tutoring-platform)