**Requirements**

**Client Software Product Needs**

The Student Information Management System deals with all kinds of student details. The software system needs to store and retrieve students’ partial information in current semester and other basic information including Student’s Name, Student’s ID, registered course in current semester, each exam’s score in one course, and GPA calculation in the current semester.

The goal system has two types of accessing modes, administrator and user. An administrator can insert, update, and monitor student information. A user (student) can view details of the student but cannot perform any changes.

The software is expected to have a GUI which will allow for an administrator or student to log into the system. The GUI will display the student information as well as allow the user to interact with information given their specific permissions.

**Modification History**

|  |  |  |
| --- | --- | --- |
| **DATE** | **WORKED ON** | **WHOM** |
| 06.20.17 | Student Use Case | Rick |
| 06.21.17 | Administrator Use Cases | Obrian |
| 06.21.17 | Drafted first version of Requirements Document | Rick |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**USE CASES**

**Use Case 1 – Student Views Student Information**

|  |  |
| --- | --- |
| **ACTOR** | Student |
| **TASK** | The student logs into the system and views student information. |

**Step-by-Step Description:**

1. The student logs on the Student Information Management System.
2. The student views details of their current semester.

**Use Case 2 – Administrator Inserts a New Record**

|  |  |
| --- | --- |
| **ACTOR** | Administrator |
| **TASK** | The administrator logs into the system and inserts a new record. |

**Step-by-Step Description:**

1. Administrator logs into the Student Information Management System.
2. Administrator selects the “Insert New Record” option.
3. Administrator fills out student information: Name and ID, with additional optional information.
4. Administrator selects the “Submit” option.
5. System creates a new student record.
6. Syste updates the database.

**Use Case 3 – Administrator Updates a Record**

|  |  |
| --- | --- |
| **ACTOR** | Administrator |
| **TASK** | The administrator logs into the system and updates a record. |

**Step-by-Step Description:**

1. Administrator logs into the Student Information Management System.
2. Administrator selects the “Update Record” option.
3. Administrator types in the Student ID number.
4. System retrieves the record and displays it.
5. Administrator changes or adds information regarding student registered courses, exam scores, r GPA.
6. Administrator selects the “Submit” option.
7. System updates the database with any changes made.

**Use Case 4 – Administrator Views Student Information**

|  |  |
| --- | --- |
| **ACTOR** | Administrator |
| **TASK** | The administrator logs into the system and views student information. |

**Step-by-Step Description:**

1. Administrator logs into the Student Information Management System.
2. Administrator selects the “View All Records” option.
3. System retrieves the entire database.
4. System generates a report and displays it.