**Student Information System**

|  |  |  |
| --- | --- | --- |
| Use Case | Actors | Description |
| 1.Login | Admin, Student | Login  Change Password  Forgot Password |
| 2.Add Department | Admin | Add Department  Edit Department Details  Delete Department  View Department Details |
| 3.Add Class | Admin | Add Class  Edit Class Details  Delete Class  View Class Details |
| 4.Add Semester | Admin | Add Semester  Edit Semester Details  Delete Semester  View Semester Details |
| 5.Create Student Profile | Admin | Add new Profile  Edit existing profile  Delete existing profile  View existing profile details |
| 6.Create Student Account | Admin | Add new Student  Edit existing student  Delete existing student  View existing student details |
| 7.Generate Report | Admin | Generate Report Program-wise  Generate Report Semester-wise |
| 8. View Report | Admin | View Report |
| 9.View Student Profile | Admin, Student | View Profile |
| 10.Logout | Admin, Student | Logout |

**Use Case Description**

**Use Case 1: Login**

1. **Introduction:**

This use case outlines the steps that need to be followed in order to login into the system.

1. **Actors:**

Admin

Student

1. **Pre-Conditions:**

The user/actor must have valid credentials.

1. **Scenario:**

|  |  |  |
| --- | --- | --- |
|  | Action(Stimulus) | Software Reaction |
| 1 | Student must login to the system | System requires the following  Data from the student:   * Email ID * Password |
| 2 | Student fill out the data | The system verifies that the  Above two items has been  Filled out.  If any data is missing, the system warns the students and scenarios continues with the software reaction.  If all data has been entered, the system asks students to verify dashboard.  If the student indicates that their Dashboard is not correct the  Scenarios continues with the software reaction. |
| 3 | Student confirms that their dashboard is correct. | If the student indicates that their Dashboard is correct the  Scenarios continues with the software reaction. |

1. **Post Conditions:**

If use case is successfully executed, the user/actor should be logged into the system, otherwise, the state remains unchanged.

1. **Basic Flow:**

Login

The page will request the user/actor to provide valid credentials • User/actor enters the credentials

User/actor enters into the system.

1. **Alternate flow:**

Invalid Credentials

If user/actor provides invalid credentials in the basic flow, a validation message or error message should appear. Hence, returning the user to the basic flow.

1. **Special Requirements:**

None

1. **Associated Use Case(s):**

None

**Use Case 2: Add Department**

1. **Introduction:**

This use case outlines the steps that need to be followed in order to add Department into the system.

1. **Actors:**

Admin

1. **Pre-Conditions:**

The user/actor must login to the System.

1. **Scenario:**

|  |  |  |
| --- | --- | --- |
|  | Action(Stimulus) | Software Reaction |
| 1 | Admin must have to add Departments. | System requires the following  Data from the admin:   * Student Name * Gender * Student Image * DOB * E-Mail * Department * Mobile No. |
| 2 | Admin fill out the data | The system verifies that the  Above eight items has been  Filled out.  If any data is missing, the system warns the Admin and scenarios continues with the software reaction.  If all data has been entered, the system asks admin to verify Department.  If the admin indicates that their Department is not correct the  Scenarios continues with the software reaction. |
| 3 | Admin confirms that their Selected Department is correct. | If the Admin indicates that their Selected Department is correct the  Scenarios continues with the software reaction. |

1. **Post Conditions:**

If use case is successfully executed, the admin should be successfully assigned departments to students successfully, otherwise, the state remains unchanged.

1. **Basic Flow:**

Add Department

The page will request the admin to provide valid credentials

Admin enters the credentials.

Admin Successfully Add Departments.

1. **Alternate flow:**

Invalid Credentials

If Admin provides invalid credentials in the basic flow, a validation message or error message should appear. Hence, returning the user to the basic flow.

1. **Special Requirements:**

None

1. **Associated Use Case(s):**

None

**Use Case 3: Add class**

1. **Introduction:**

This use case outlines the steps that need to be followed in order to add class into the system.

1. **Actors:**

Admin

1. **Pre-Conditions:**

The user/actor must login to the System.

1. **Scenario:**

|  |  |  |
| --- | --- | --- |
|  | Action(Stimulus) | Software Reaction |
| 1 | Admin must have to add Class. | System requires the following  Data from the admin:   * Student Name * Gender * Student Image * DOB * E-Mail * Class * Mobile No. |
| 2 | Admin fill out the data | The system verifies that the  Above eight items has been  Filled out.  If any data is missing, the system warns the Admin and scenarios continues with the software reaction.  If all data has been entered, the system asks admin to verify class.  If the admin indicates that their Class is not correct the  Scenarios continues with the software reaction. |
| 3 | Admin confirms that their Selected Class is correct. | If the Admin indicates that their Selected class is correct the  Scenarios continues with the software reaction. |

1. **Post Conditions:**

If use case is successfully executed, the admin should be successfully assigned departments to students successfully, otherwise, the state remains unchanged.

1. **Basic Flow:**

Add Department

The page will request the admin to provide valid credentials

Admin enters the credentials.

Admin Successfully Add Class.

1. **Alternate flow:**

Invalid Credentials

If Admin provides invalid credentials in the basic flow, a validation message or error message should appear. Hence, returning the user to the basic flow.

1. **Special Requirements:**

None

1. **Associated Use Case(s):**

None

**Use Case 4: Add Semester**

1. **Introduction:**

This use case outlines the steps that need to be followed in order to add Semester into the system.

1. **Actors:**

Admin

1. **Pre-Conditions:**

The user/actor must login to the System.

1. **Scenario:**

|  |  |  |
| --- | --- | --- |
|  | Action(Stimulus) | Software Reaction |
| 1 | Admin must have to add Semester. | System requires the following  Data from the admin:   * Student Name * Gender * Student Image * DOB * E-Mail * Semester * Mobile No. |
| 2 | Admin fill out the data | The system verifies that the  Above eight items has been  Filled out.  If any data is missing, the system warns the Admin and scenarios continues with the software reaction.  If all data has been entered, the system asks admin to verify Semester.  If the admin indicates that their Semester is not correct the  Scenarios continues with the software reaction. |
| 3 | Admin confirms that their Selected Semester is correct. | If the Admin indicates that their Selected Semester is correct the  Scenarios continues with the software reaction. |

1. **Post Conditions:**

If use case is successfully executed, the admin should be successfully assigned Semester to students successfully, otherwise, the state remains unchanged.

1. **Basic Flow:**

Add Semester

The page will request the admin to provide valid credentials

Admin enters the credentials.

Admin Successfully Add Semester.

1. **Alternate flow:**

Invalid Credentials

If Admin provides invalid credentials in the basic flow, a validation message or error message should appear. Hence, returning the user to the basic flow.

1. **Special Requirements:**

None

1. **Associated Use Case(s):**

None

**Use Case 5: Create Student Profile**

1. **Introduction:**

This use case outlines the steps that need to be followed in order to Create Student Profile into the system.

1. **Actors:**

Admin

1. **Pre-Conditions:**

The user/actor must login to the System.

1. **Scenario:**

|  |  |  |
| --- | --- | --- |
|  | Action(Stimulus) | Software Reaction |
| 1 | Admin must have to create Student Profile. | System requires the following  Data from the admin:   * Student Name * Gender * Student Image * DOB * E-Mail * Department * Mobile No. |
| 2 | Admin fill out the data | The system verifies that the  Above eight items has been  Filled out.  If any data is missing, the system warns the Admin and scenarios continues with the software reaction.  If all data has been entered, the system asks admin to verify Data.  If the admin indicates that their Data is not correct the  Scenarios continues with the software reaction. |
| 3 | Admin confirms that their Data is correct. | If the Admin indicates that their Data is correct the  Scenarios continues with the software reaction. |

1. **Post Conditions:**

If use case is successfully executed, the Admin should be successfully created student profile, otherwise, the state remains unchanged.

1. **Basic Flow:**

Create Student Profile

The page will request the Manager to provide valid credentials

Admin enters the credentials.

Admin successfully created student profiles.

1. **Alternate flow:**

Invalid Credentials

If Admin provides invalid credentials in the basic flow, a validation message or error message should appear. Hence, returning the user to the basic flow.

1. **Special Requirements:**

None

1. **Associated Use Case(s):**

None

**Use Case 6: Create Student Account**

1. **Introduction:**

This use case outlines the steps that need to be followed in order to Create Student Account into the system.

1. **Actors:**

Admin

1. **Pre-Conditions:**

The user/actor must login to the System.

1. **Scenario:**

|  |  |  |
| --- | --- | --- |
|  | Action(Stimulus) | Software Reaction |
| 1 | Admin must have to create Student Account. | System requires the following  Data from the admin:   * Student Name * Gender * Student Image * DOB * E-Mail * Department * Mobile No. |
| 2 | Admin fill out the data | The system verifies that the  Above eight items has been  Filled out.  If any data is missing, the system warns the Admin and scenarios continues with the software reaction.  If all data has been entered, the system asks admin to verify Data.  If the admin indicates that their Data is not correct the  Scenarios continues with the software reaction. |
| 3 | Admin confirms that their Data is correct. | If the Admin indicates that their Data is correct the  Scenarios continues with the software reaction. |

1. **Post Conditions:**

If use case is successfully executed, the Admin should be successfully created student Account, otherwise, the state remains unchanged.

1. **Basic Flow:**

Create Student Account

The page will request the Admin to provide valid credentials

Admin enters the credentials.

Admin successfully created student Account.

1. **Alternate flow:**

Invalid Credentials

If Admin provides invalid credentials in the basic flow, a validation message or error message should appear. Hence, returning the user to the basic flow.

1. **Special Requirements:**

None

1. **Associated Use Case(s):**

None

**Use Case 7: Generate Report**

1. **Introduction:**

This use case outlines the steps that need to be followed in order to Generate Report into the system.

1. **Actors:**

Admin

1. **Pre-Conditions:**

The user/actor must login to the System.

1. **Scenario:**

|  |  |  |
| --- | --- | --- |
|  | Action(Stimulus) | Software Reaction |
| 1 | Admin must have to Generate Reports. | System requires the following  Data from the admin:   * Student Name * Gender * Student Image * DOB * E-Mail * Department * Mobile No. * Percentage |
| 2 | Admin fill out the data | The system verifies that the  Above eight items has been  Filled out.  If any data is missing, the system warns the Admin and scenarios continues with the software reaction.  If all data has been entered, the system asks admin to verify Data.  If the admin indicates that their Data is not correct the  Scenarios continues with the software reaction. |
| 3 | Admin confirms that their Data is correct. | If the Admin indicates that their Data is correct the  Scenarios continues with the software reaction. |

1. **Post Conditions:**

If use case is successfully executed, the Admin should be successfully Generate Reports, otherwise, the state remains unchanged.

1. **Basic Flow:**

Generate Student Report

The page will request the Manager to provide valid credentials

Admin enters the credentials.

Admin successfully created student Reports.

1. **Alternate flow:**

Invalid Credentials

If Admin provides invalid credentials in the basic flow, a validation message or error message should appear. Hence, returning the user to the basic flow.

1. **Special Requirements:**

None

1. **Associated Use Case(s):**

None

**Use Case 8: View Report**

1. **Introduction:**

This use case outlines the steps that need to be followed in order to View Report into the system.

1. **Actors:**

Admin

1. **Pre-Conditions:**

The user/actor must login to the System.

1. **Scenario:**

|  |  |  |
| --- | --- | --- |
|  | Action(Stimulus) | Software Reaction |
| 1 | Admin must have to view Reports. | System requires the following  Data from the admin:   * Student Name * DOB * E-Mail * Mobile No. |
| 2 | Admin fill out the data | The system verifies that the  Above four items has been  Filled out.  If any data is missing, the system warns the Admin and scenarios continues with the software reaction.  If all data has been entered, the system asks admin to verify Data.  If the admin indicates that their Data is not correct the  Scenarios continues with the software reaction. |
| 3 | Admin confirms that their Data is correct. | If the Admin indicates that their Data is correct the  Scenarios continues with the software reaction. |

1. **Post Conditions:**

If use case is successfully executed, the Admin should be successfully view Reports, otherwise, the state remains unchanged.

1. **Basic Flow:**

View Student Report

The page will request the Admin to provide valid credentials

Admin enters the credentials.

Admin successfully created student Reports.

1. **Alternate flow:**

Invalid Credentials

If Admin provides invalid credentials in the basic flow, a validation message or error message should appear. Hence, returning the user to the basic flow.

1. **Special Requirements:**

None

1. **Associated Use Case(s):**

None

**Use Case 9: View Student Profile**

1. **Introduction:**

This use case outlines the steps that need to be followed in order to View Student Profile into the system.

1. **Actors:**

Admin, Student

1. **Pre-Conditions:**

The user/actor must login to the System.

1. **Scenario:**

|  |  |  |
| --- | --- | --- |
|  | Action(Stimulus) | Software Reaction |
| 1 | Admin/Student must have to view Profile. | System requires the following  Data from the admin:   * Student Name * DOB * E-Mail * Mobile No. |
| 2 | Admin/Student fill out the data | The system verifies that the  Above four items has been  Filled out.  If any data is missing, the system warns the Admin/Student and scenarios continues with the software reaction.  If all data has been entered, the system asks admin/student to verify Data.  If the admin indicates that their Data is not correct the  Scenarios continues with the software reaction. |
| 3 | Admin/Student confirms that their Data is correct. | If the Admin/Student indicates that their Data is correct the  Scenarios continues with the software reaction. |

1. **Post Conditions:**

If use case is successfully executed, the Admin should be successfully view student profile, otherwise, the state remains unchanged.

1. **Basic Flow:**

View Student Profile

The page will request the Admin/Student to provide valid credentials

Admin/Student enters the credentials.

Admin/Student successfully created student Reports.

1. **Alternate flow:**

Invalid Credentials

If Admin/Student provides invalid credentials in the basic flow, a validation message or error message should appear. Hence, returning the user to the basic flow.

1. **Special Requirements:**

None

1. **Associated Use Case(s):**

None

**Use Case 10: Logout**

1. **Introduction:**

This use case outlines the steps that need to be followed in order to Logout the system.

1. **Actors:**

Admin, Student

1. **Pre-Conditions:**

The user/actor must login to the System.

1. **Scenario:**

|  |  |  |
| --- | --- | --- |
|  | Action(Stimulus) | Software Reaction |
| 1 | Admin/Student must have to Logout from System. |  |
|  |  |  |
|  |  |  |

1. **Post Conditions:**

If use case is successfully executed, the Admin/Student should be successfully Logout, otherwise, the state remains unchanged.

1. **Basic Flow:**

Logout

Admin/Student successfully Logout.

1. **Alternate flow:**

None

1. **Special Requirements:**

None

1. **Associated Use Case(s):**

None

Admin

Student