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.

2. **Actors:**
   Admin
   Student

3. **Pre-Conditions:**
   The user/actor must have valid credentials.

4. **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.

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

6. **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.

7. **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.

8. **Special Requirements:**
   None

9. **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.

2. **Actors:**
   Admin

3. Pre-Conditions:

The user/actor must login to the System.

4. 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.

5. Post Conditions:

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

6. **Basic Flow:**

   Add Department

   The page will request the admin to provide valid credentials

   Admin enters the credentials.

   Admin Successfully Add Departments.

7. **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.

8. **Special Requirements:**

   None

9. **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.

2. **Actors:**

   Admin

3. **Pre-Conditions:**

   The user/actor must login to the System.

4. **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.

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

6. **Basic Flow:**
   Add Department
   The page will request the admin to provide valid credentials
   Admin enters the credentials.
   Admin Successfully Add Class.

7. **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.

8. **Special Requirements:**
   None
9. **Associated Use Case(s):**
   None

Use Case 4: Add Semester

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

11. **Actors:**
    Admin

12. **Pre-Conditions:**
    The user/actor must login to the System.

13. **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.

14. Post Conditions:

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

15. Basic Flow:

Add Semester
The page will request the admin to provide valid credentials
Admin enters the credentials.
Admin Successfully Add Semester.

16. 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.

17. Special Requirements:

None

18. 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.

2. **Actors:**

   Admin

3. **Pre-Conditions:**

   The user/actor must login to the System.

4. **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

5. **Post Conditions:**

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

6. **Basic Flow:**

   Create Student Profile
   The page will request the Manager to provide valid credentials
   Admin enters the credentials.
   Admin successfully created student profiles.

7. **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.

8. **Special Requirements:**

   None
9. **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.

2. **Actors:**

   Admin

3. **Pre-Conditions:**

   The user/actor must login to the System.

4. **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.

5. **Post Conditions:**

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

6. **Basic Flow:**

   Create Student Account
   The page will request the Admin to provide valid credentials
   Admin enters the credentials.
   Admin successfully created student Account.

7. **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.

8. **Special Requirements:**

None

9. **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.

2. **Actors:**

Admin

3. **Pre-Conditions:**

The user/actor must login to the System.

4. **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.

5. **Post Conditions:**
   If use case is successfully executed, the Admin should be successfully Generate Reports, otherwise, the state remains unchanged.

6. **Basic Flow:**
   Generate Student Report
   The page will request the Manager to provide valid credentials
   Admin enters the credentials.
   Admin successfully created student Reports.

7. **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.

8. **Special Requirements:**
   None

9. **Associated Use Case(s):**
   None

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

2. **Actors:**
   Admin

3. **Pre-Conditions:**
   The user/actor must login to the System.

4. **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

5. **Post Conditions:**

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

6. **Basic Flow:**

   View Student Report

   The page will request the Admin to provide valid credentials

   Admin enters the credentials.

   Admin successfully created student Reports.

7. **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.

8. **Special Requirements:**

   None

9. **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.

2. **Actors:**

   Admin, Student

3. **Pre-Conditions:**

   The user/actor must login to the System.

4. 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.

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

6. 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.

7. **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.

8. **Special Requirements:**

   None

9. **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.

2. **Actors:**

   Admin, Student

3. **Pre-Conditions:**

   The user/actor must login to the System.

4. **Scenario:**

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

5. **Post Conditions:**

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

6. **Basic Flow:**

   Logout

Admin/Student successfully Logout.

7. **Alternate flow:**
   None
8. **Special Requirements:**
   None
9. **Associated Use Case(s):**
   None