PROJECT

STUDENT FEEDBACK SYSTEM

Group members

Mustafa sp23-bse-067

Ahmad sp23-bse-05

Fahad sp23-bse-063

### ****Overview****

A **modern JavaFX-based desktop application** that allows students to submit feedback about courses and teachers, while faculty and admins can view and analyze feedback reports.

### ****Key Features****

✔ **User Roles** (Student, Teacher, Admin) with different dashboards  
✔ **Secure Login** with password authentication  
✔ **Feedback Submission** with ratings (1-5) and comments  
✔ **Responsive GUI** with a web-like attractive interface  
✔ **Database Integration** (MySQL) for storing users and feedback  
✔ **OOP Principles** (Encapsulation, Inheritance, Polymorphism, Abstraction)

### ****Tech Stack****

**Frontend**: JavaFX (for modern UI components)

**Backend**: Java (JDBC for database connectivity)

**Database**: MySQL (stores user accounts and feedback)

**Security**: Password hashing (basic implementation

[Student Feedback System - General Components 1](#_Toc12)

[1. User Roles 1](#_Toc29168)

[2. Core Features 1](#_Toc1687)

[3. Technical Requirements 1](#_Toc9562)

[4. Optional Enhancements 1](#_Toc8157)

[Chapter No 1 3](#_Toc9503)

[INTRODUCTION 3](#_Toc2920)

[Student Feedback System - General Components 3](#_Toc14602)

[1. User Roles 3](#_Toc1693)

[2. Core Features 3](#_Toc29356)

[3. Technical Requirements 4](#_Toc26523)

[4. Optional Enhancements 4](#_Toc30508)

[Chapter 2 4](#_Toc28746)

[Usecase 4](#_Toc29872)

[Fahad sp23-bse-063 4](#_Toc8878)

[Mustafa Sp23bse-067 5](#_Toc2004)

[Ahmad sp23-bse-59 6](#_Toc26868)

[Chapter 3 7](#_Toc14857)

[Fully addressed 7](#_Toc14045)

[Fahad sp23-bse-063 7](#_Toc18394)

[Mustafa kamal sp23-bse-067 8](#_Toc14183)

[Ahmad sp23-bse-059 10](#_Toc5733)

[Chapter 3 11](#_Toc28907)

[SSD 11](#_Toc14730)

[Fahad sp23-bse-063 11](#_Toc23306)

[Mustafa sp23-bse-067 12](#_Toc14493)

[Ahmad sp23-bse-059 12](#_Toc32030)

[Chapter 4 13](#_Toc28061)

[Class diagram 13](#_Toc8455)

[Fahad sp23-bse-063 13](#_Toc31557)

[MUSTAFA SP23-BSE-067 14](#_Toc17804)

[AHMAD SP23-BSE-059 15](#_Toc30825)

[Chapter 5 16](#_Toc5292)

[Communication diagram 16](#_Toc9089)

[FAHAD SP23-BSE063 16](#_Toc1429)

[Mustafa sp23-bse-067 17](#_Toc18260)

[AHMAD SP23-BSE-059 17](#_Toc20242)

# Chapter No 1

## INTRODUCTION

# ****Student Feedback System - General Components****

### ****1. User Roles****

**Students** – Submit feedback on courses/teachers.

**Teachers/Faculty** – View feedback reports

**Admin** – Manages users & system settings

### ****2. Core Features****

**Authentication** (Login/Signup for students & faculty).

**Feedback Submission Form** (Ratings + Comments).

**Dashboard** (View feedback analytics for teachers/admins).

**Admin Panel** (User management, feedback moderation).

### ****3. Technical Requirements****

**Frontend**: JavaFX (for modern UI components)

**Backend**: Java (JDBC for database connectivity)

**Database**: MySQL (stores user accounts and feedback)

**Security**: Password hashing (basic implementation)

### ****4. Optional Enhancements****

Email notifications (feedback submission/updates).

Charts/Graphs for feedback visualization.

Anonymous feedback option.

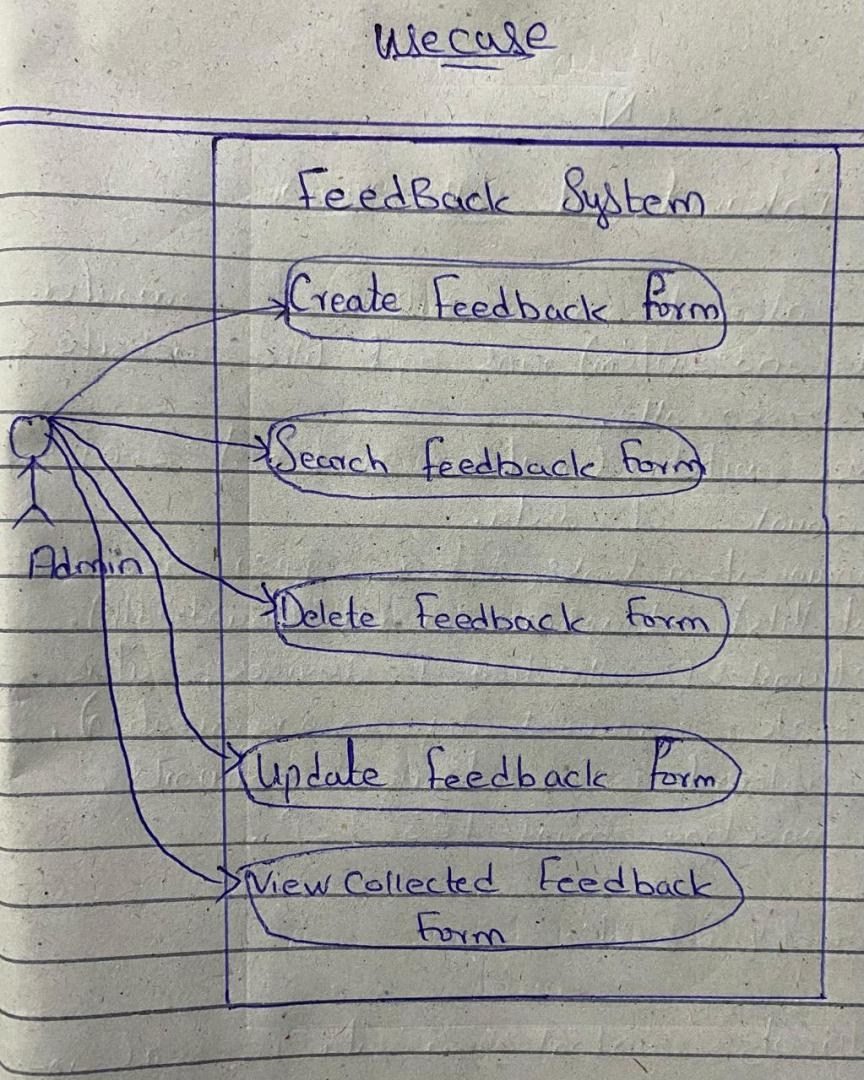
This system automates feedback collection and analysis for educational institutions

# Chapter 2

## Usecase

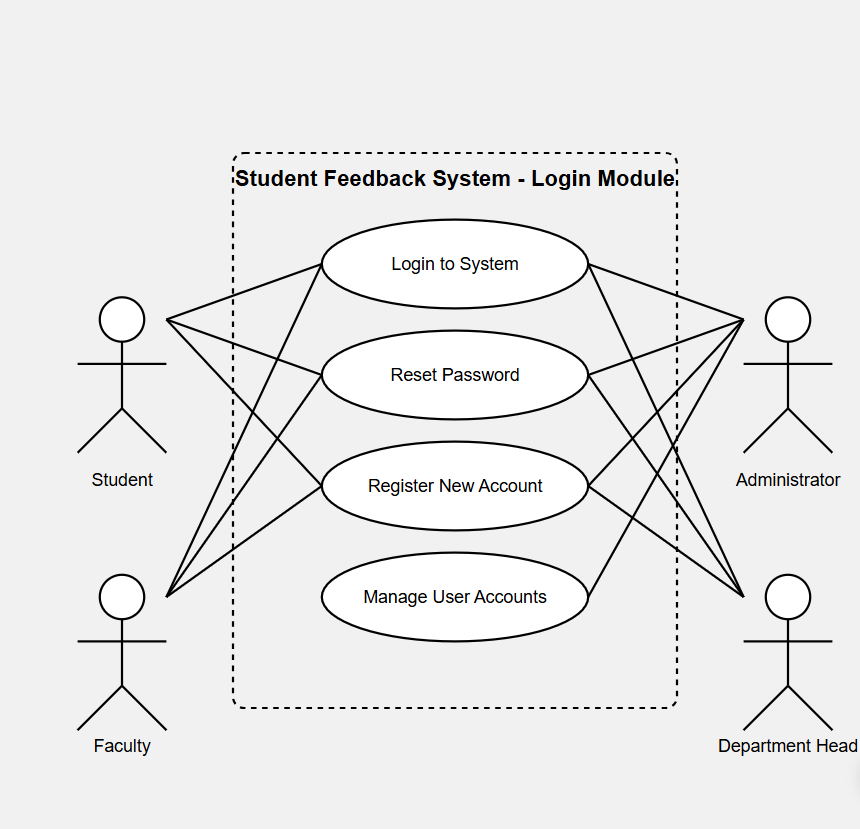
### Fahad sp23-bse-063

Feedback form



### Mustafa Sp23bse-067

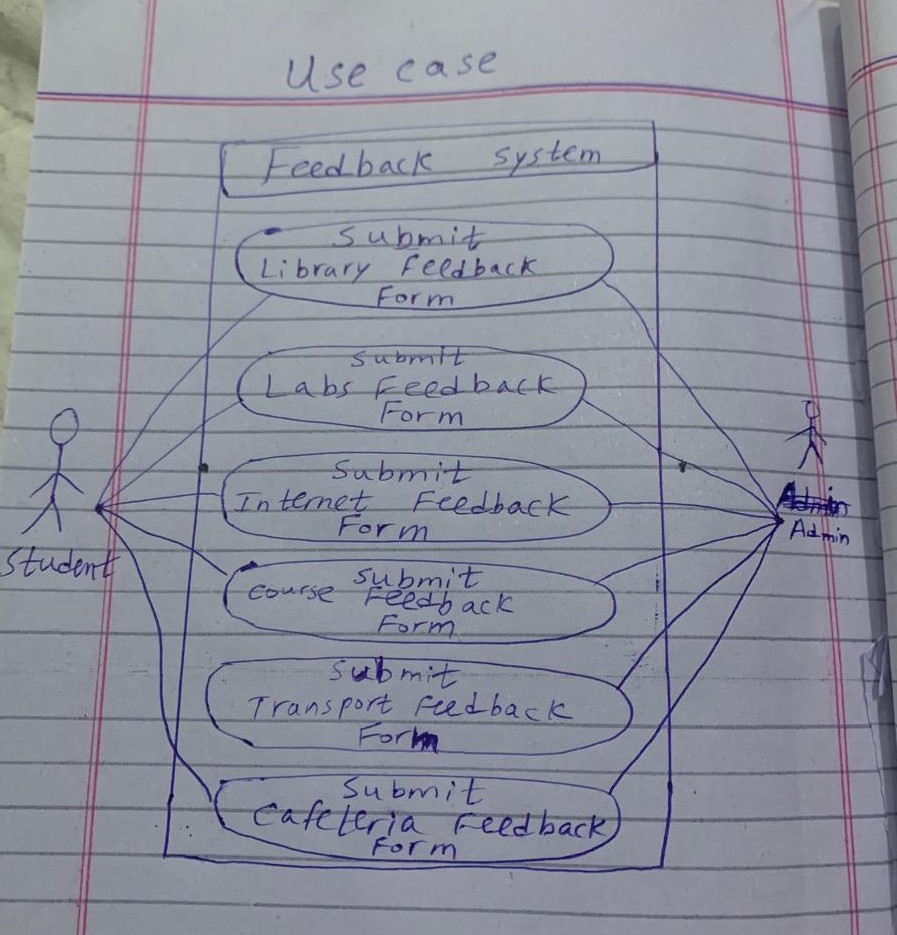
Login



### 

### Ahmad sp23-bse-59

Submit course feedback

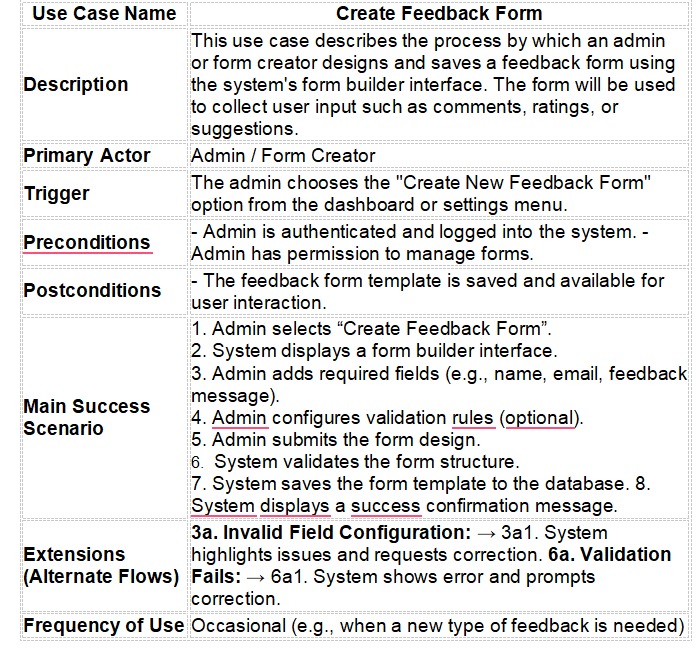


# 

# Chapter 3

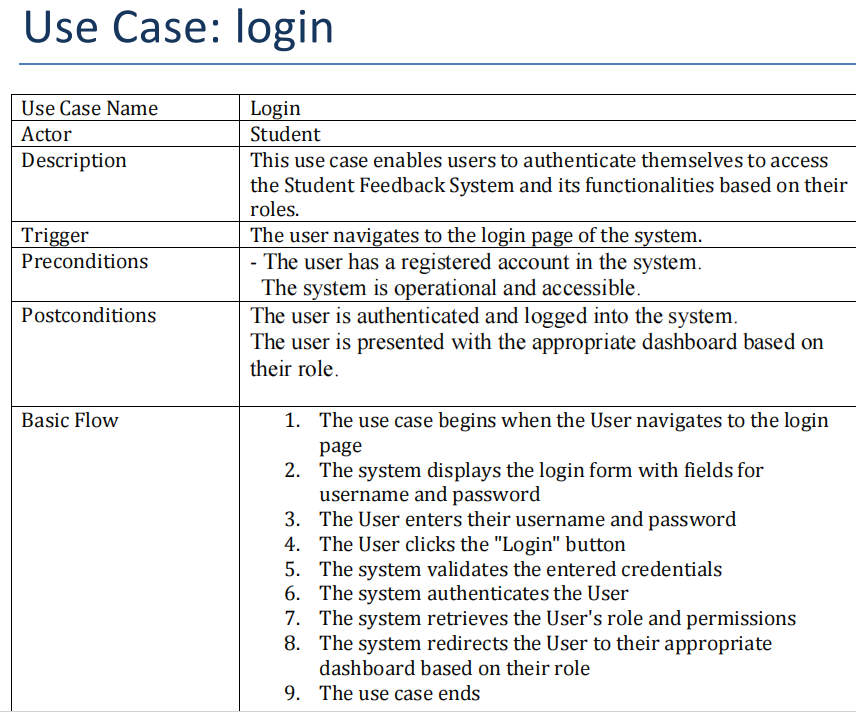
## Fully addressed

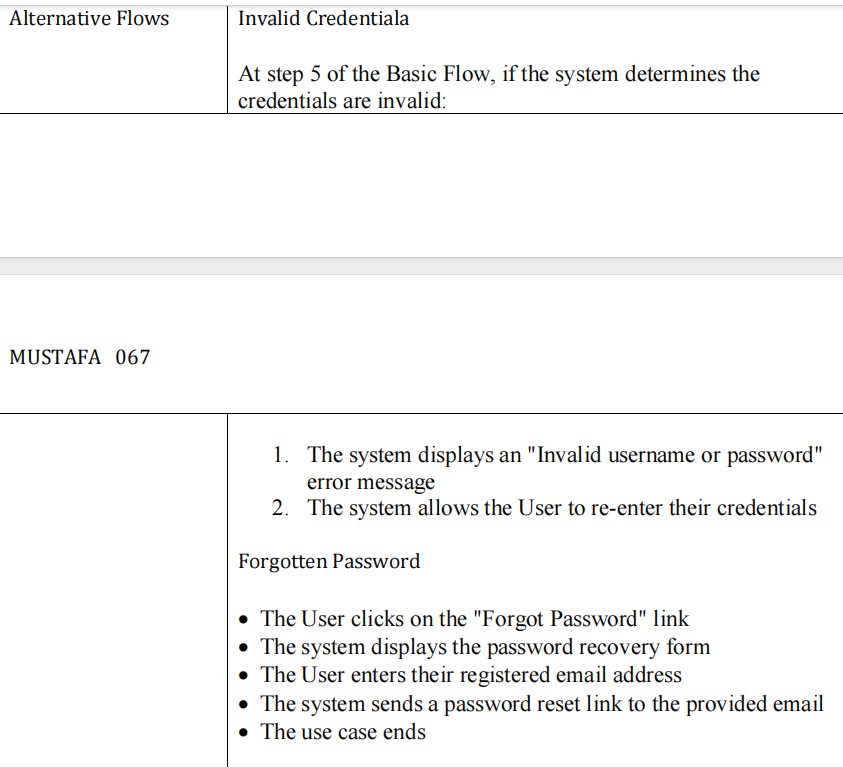
### Fahad sp23-bse-063

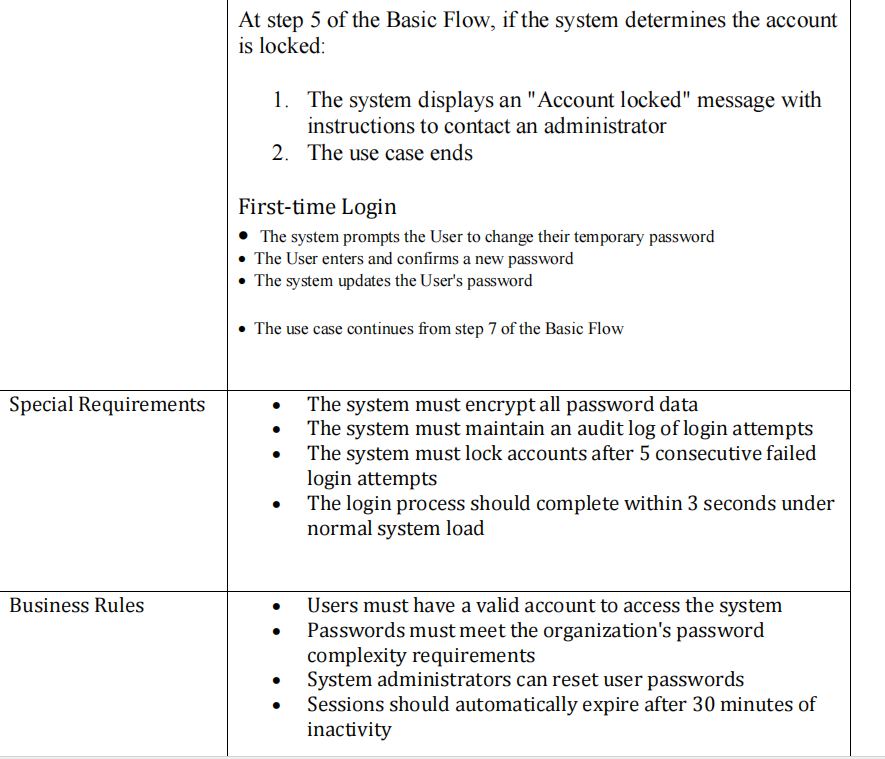


### 

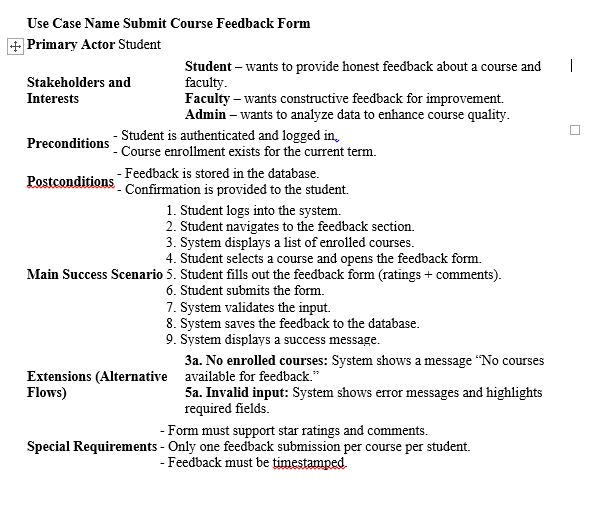
### Mustafa kamal sp23-bse-067







### Ahmad sp23-bse-059

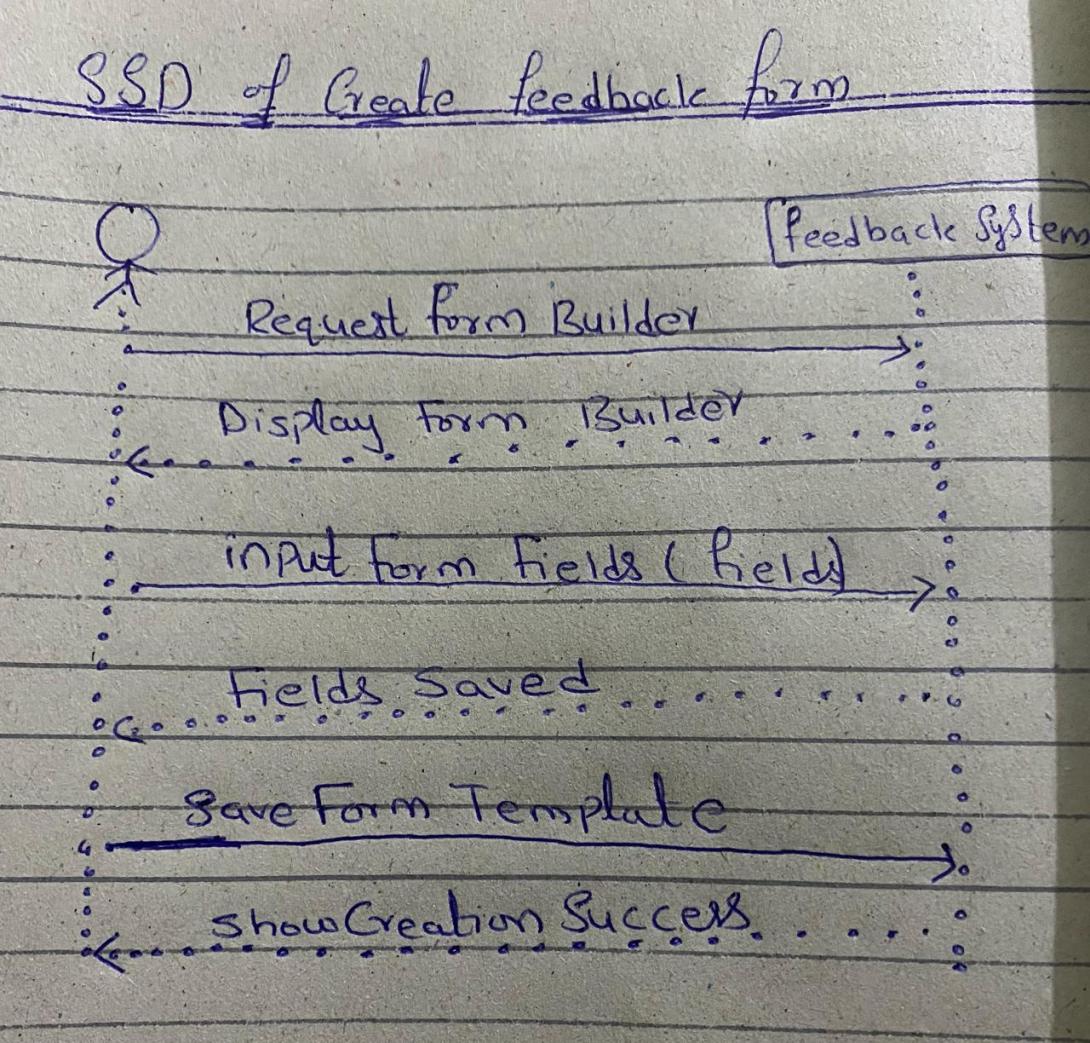


# 

# Chapter 3

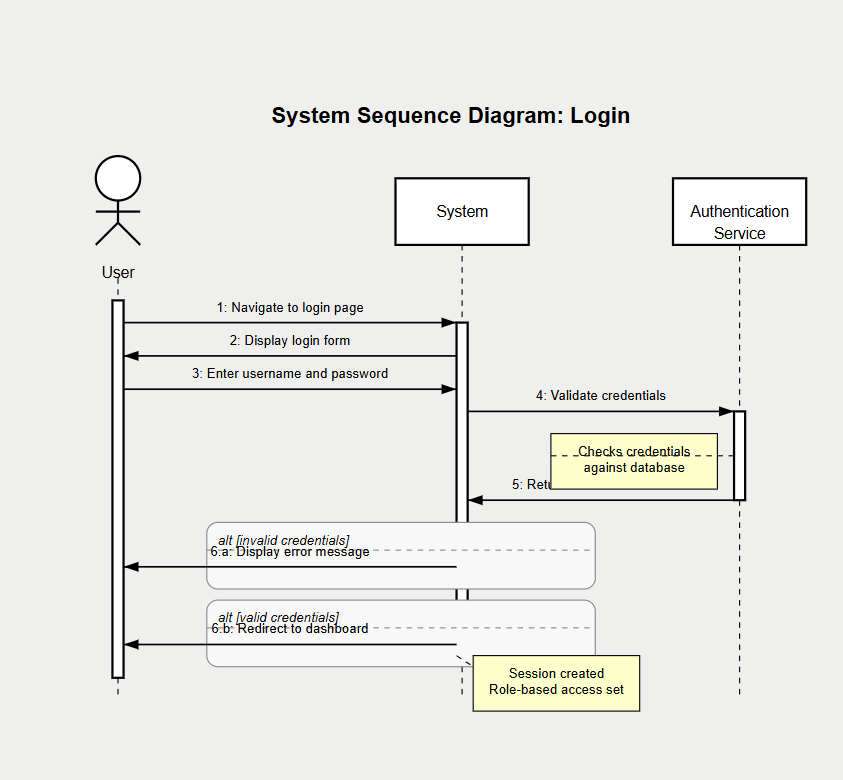
## SSD

### Fahad sp23-bse-063



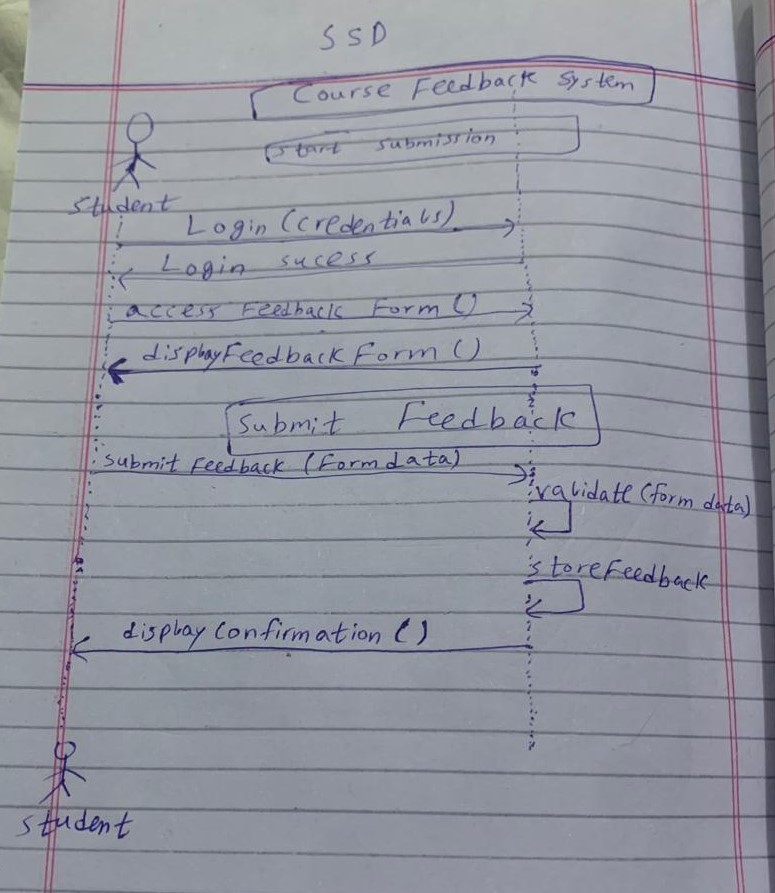
### 

### Mustafa sp23-bse-067



### 

### Ahmad sp23-bse-059

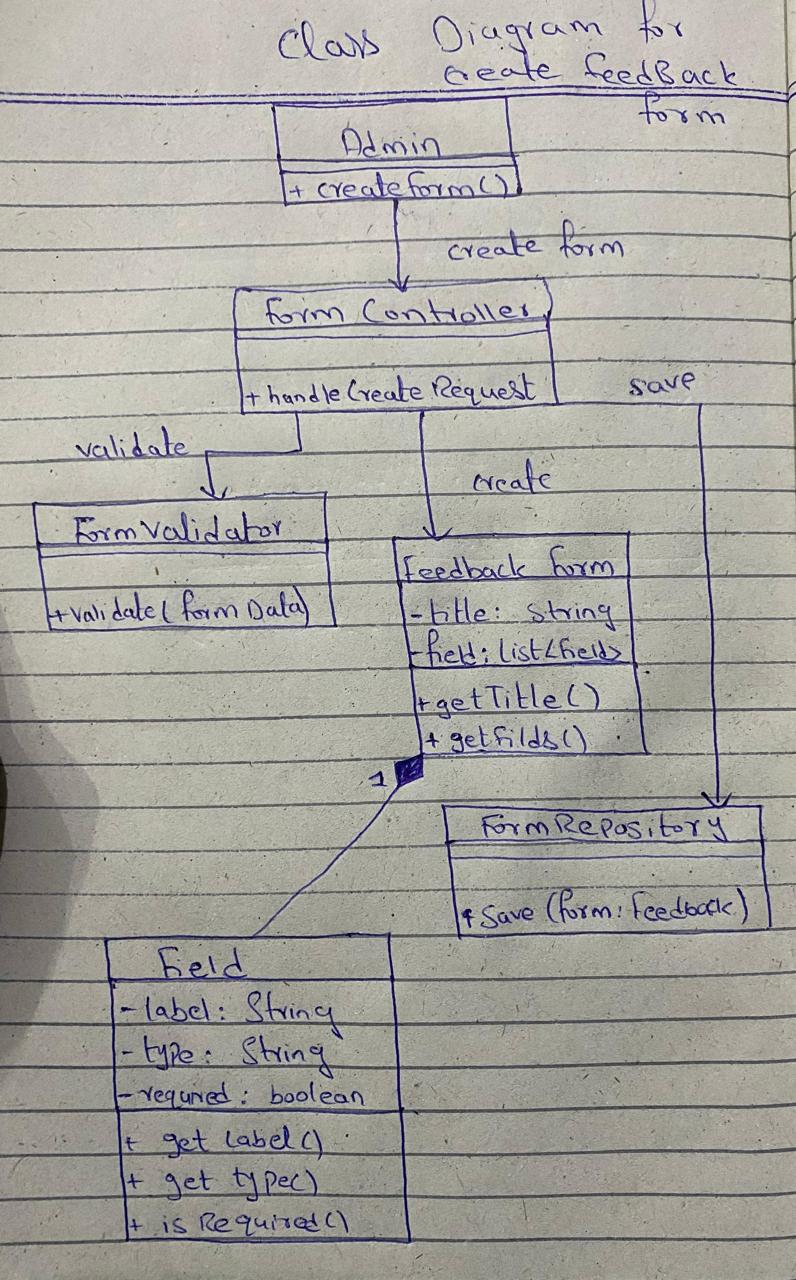


# 

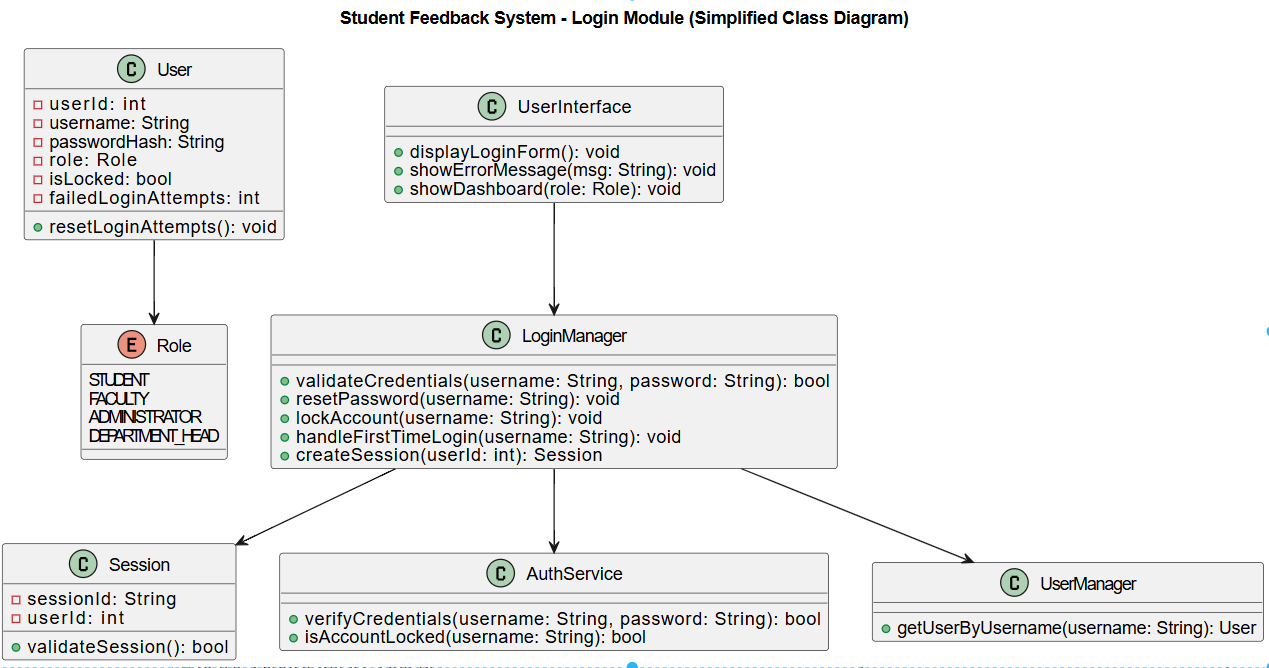
# Chapter 4

## Class diagram

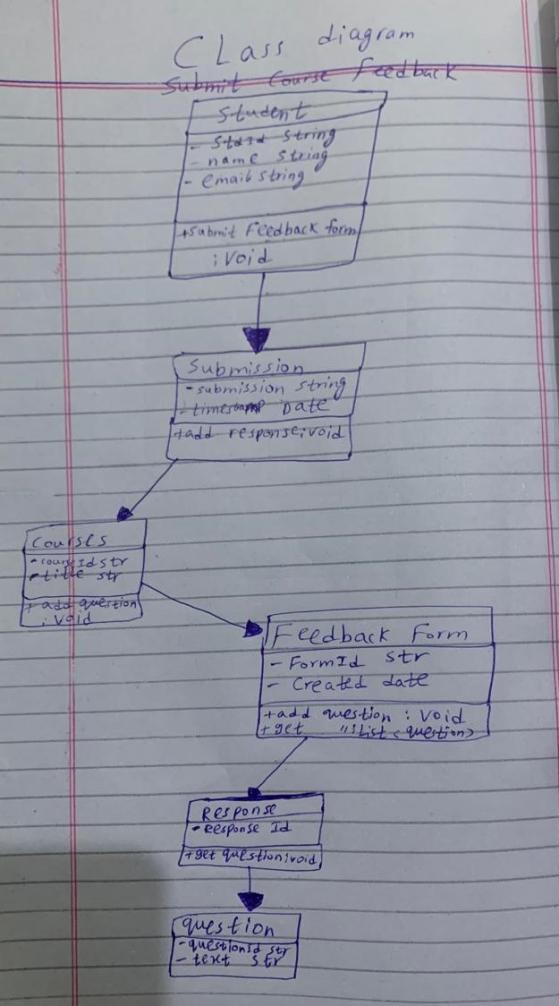
### Fahad sp23-bse-063



### MUSTAFA SP23-BSE-067



### AHMAD SP23-BSE-059

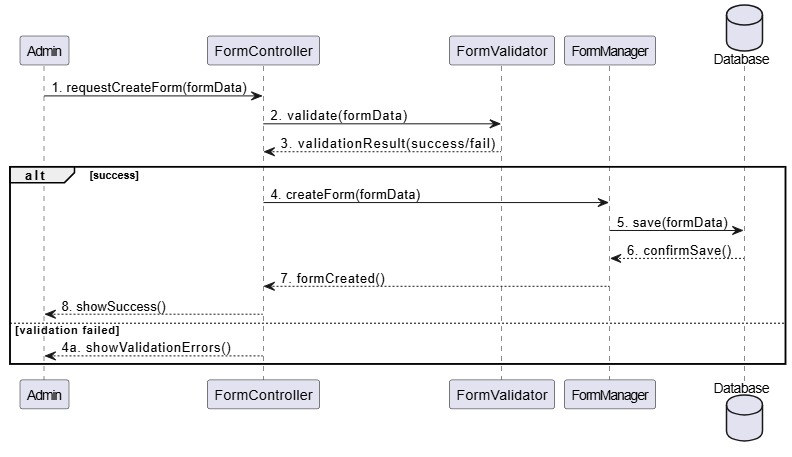


# 

# Chapter 5

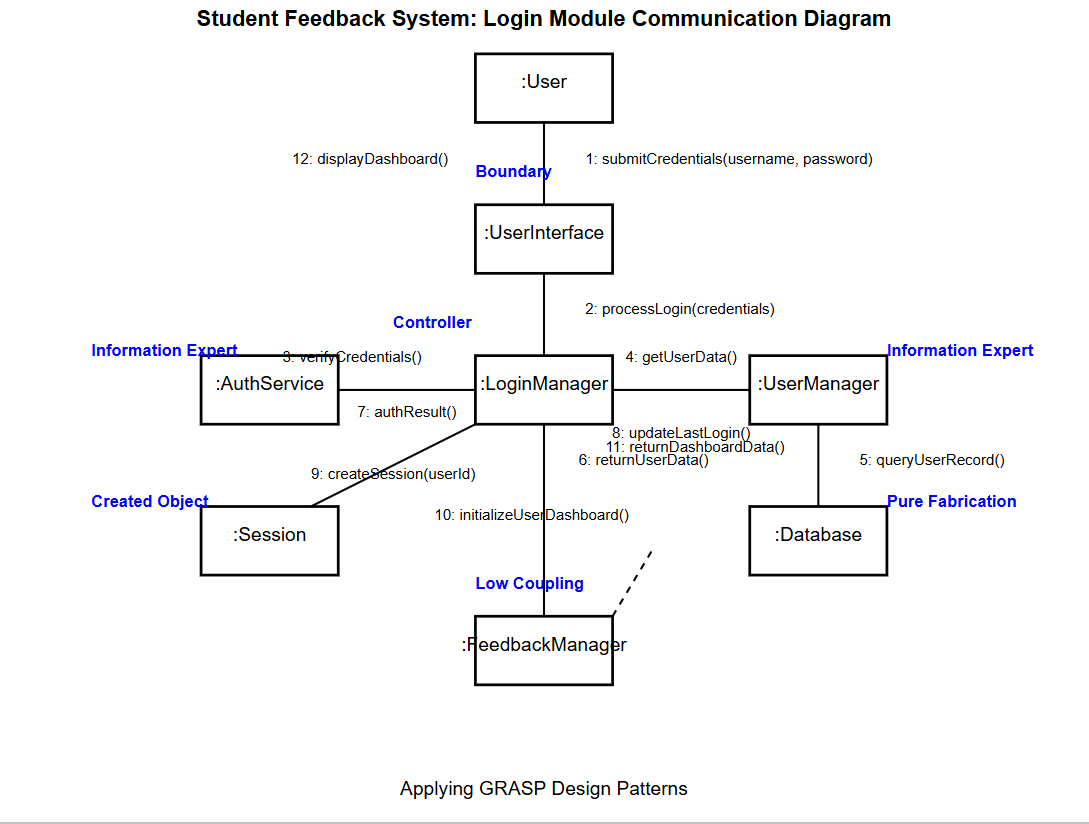
## Communication diagram

### FAHAD SP23-BSE063



### 

### Mustafa sp23-bse-067



### AHMAD SP23-BSE-059

