

**SOFTWARE DESIGN ARCHITECTURE**

**SEMESTER PROJECT**

**STUDENT FEEDBACK SYSTEM**

**STUDENT NAME: FAHAD AHMED SHAH**

**SUBMITTED TO: SIR MUKHTIAR ZAMIN**

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# 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).

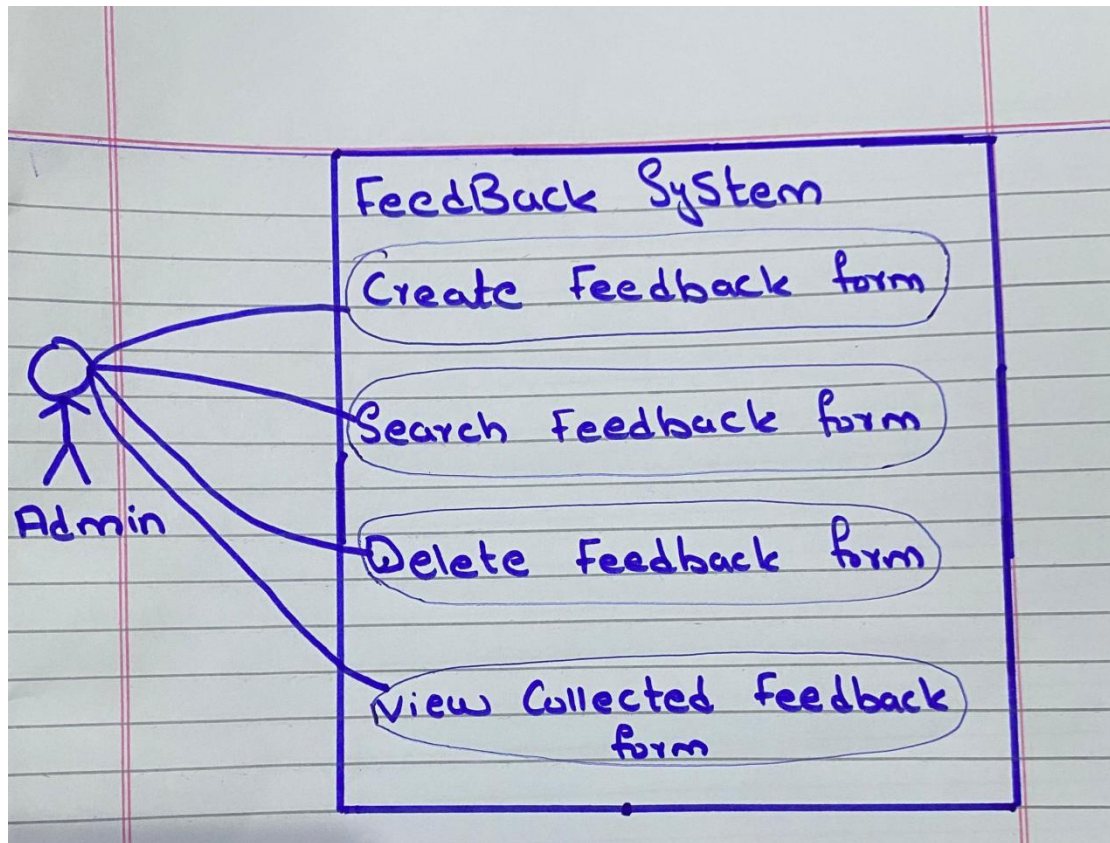
Charts/Graphs for feedback visualization.

Anonymous feedback option.

This system automates feedback collection and analysis for educational institution

## CHAPTER NO 2:

### USECASE:



## CHAPTER NO 3:

### FULLYDRESS FOR CREATE FEEDBACK FORM:

2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40	
Use Case Element	Details
Use Case Name	Create Feedback Form
Scope	University Feedback System
Level	User Goal
Primary Actor	Admin
Stakeholders and Interests	- <b>Admin:</b> Wants to create feedback forms for various categories (Faculty, Course, etc.) - <b>University:</b> Wants to collect feedback to improve services
<u>Preconditions</u>	- Admin must be logged in
Postconditions	- Feedback form is created and saved in the system
Main Success Scenario	1. System shows available form types (Faculty, Course, etc.) 2. System asks for title and questions of the form 3. System validates the input data 4. System stores the form in the database 5. System displays confirmation message with success status
Alternate Flows	System displays error message and asks for correct input

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### FULLYDRESS FOR SERACH FEEDBACK FORM:



Use Case Element	Details
Use Case Name	Search Feedback Form
Scope	University Feedback System
Level	User Goal
Primary Actor	Admin
Goal in Context	To search for previously submitted feedback forms using keyword or form ID
<u>Preconditions</u>	- Admin is logged into the system
Postconditions	- Matching feedback form(s) are retrieved and displayed
Main Success Scenario	1. System displays the search input field 2. System processes the input 3. System searches for matching feedback forms 4. System displays matched feedback form results
Alternate Flows	System shows validation error and prompts for valid input System displays "No Results Found" message








## FULLYDRESS FOR DELETE FEEDBACK FORM:

Use Case Element	Details
Use Case Name	Delete Feedback Form
Scope	University Feedback System
Level	User Goal
Primary Actor	Admin
Goal in Context	To delete an existing feedback form from the system
<u>Preconditions</u>	- Admin is logged into the system
Postconditions	- The selected feedback form is permanently deleted from the system
Main Success Scenario	1. <u>System displays delete</u> confirmation message 2. System processes the delete request 3. System deletes the selected feedback form 4. System displays a success message confirming deletion
Alternate Flows	System aborts the deletion process System displays error message "Form not found"

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## FULLYDRESS FOR VIEW COLLECTED FEEDBACK FORM:

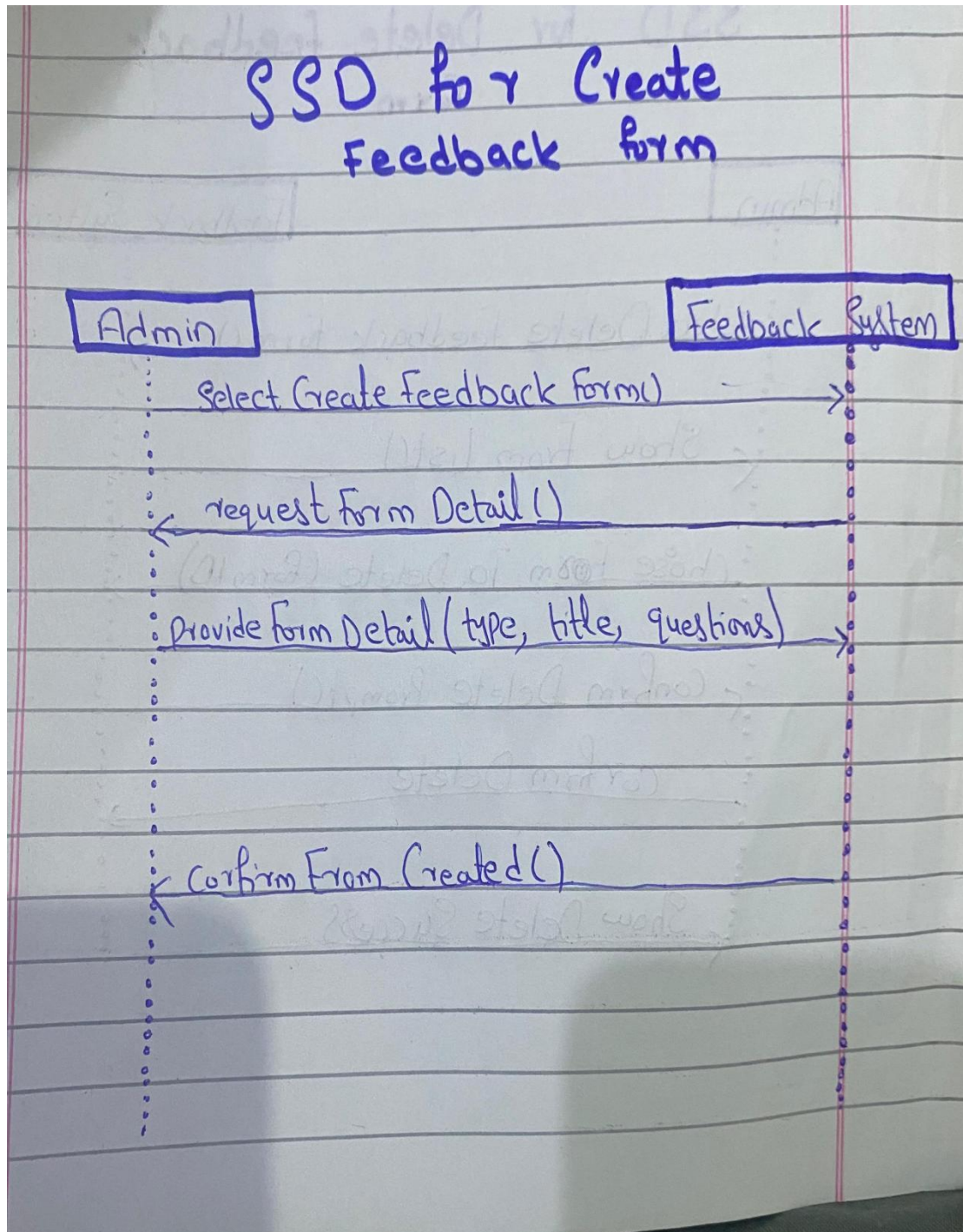
Use Case Element	Details
Use Case Name	View Collected Feedback Form
Scope	University Feedback System
Level	User Goal
Primary Actor	Admin
Goal in Context	To view all responses submitted in a selected feedback form
<u>Preconditions</u>	- At least one feedback form with submitted responses must exist
Postconditions	- The system displays all collected responses for the selected form
Main Success Scenario	<ol style="list-style-type: none"> <li>1. System fetches all submitted responses</li> <li>2. System displays all the responses in a realiable format</li> </ol>
Alternate Flows	<p>System displays message: "No responses submitted yet"</p> <p>System shows error: "Feedback Form not found"</p>



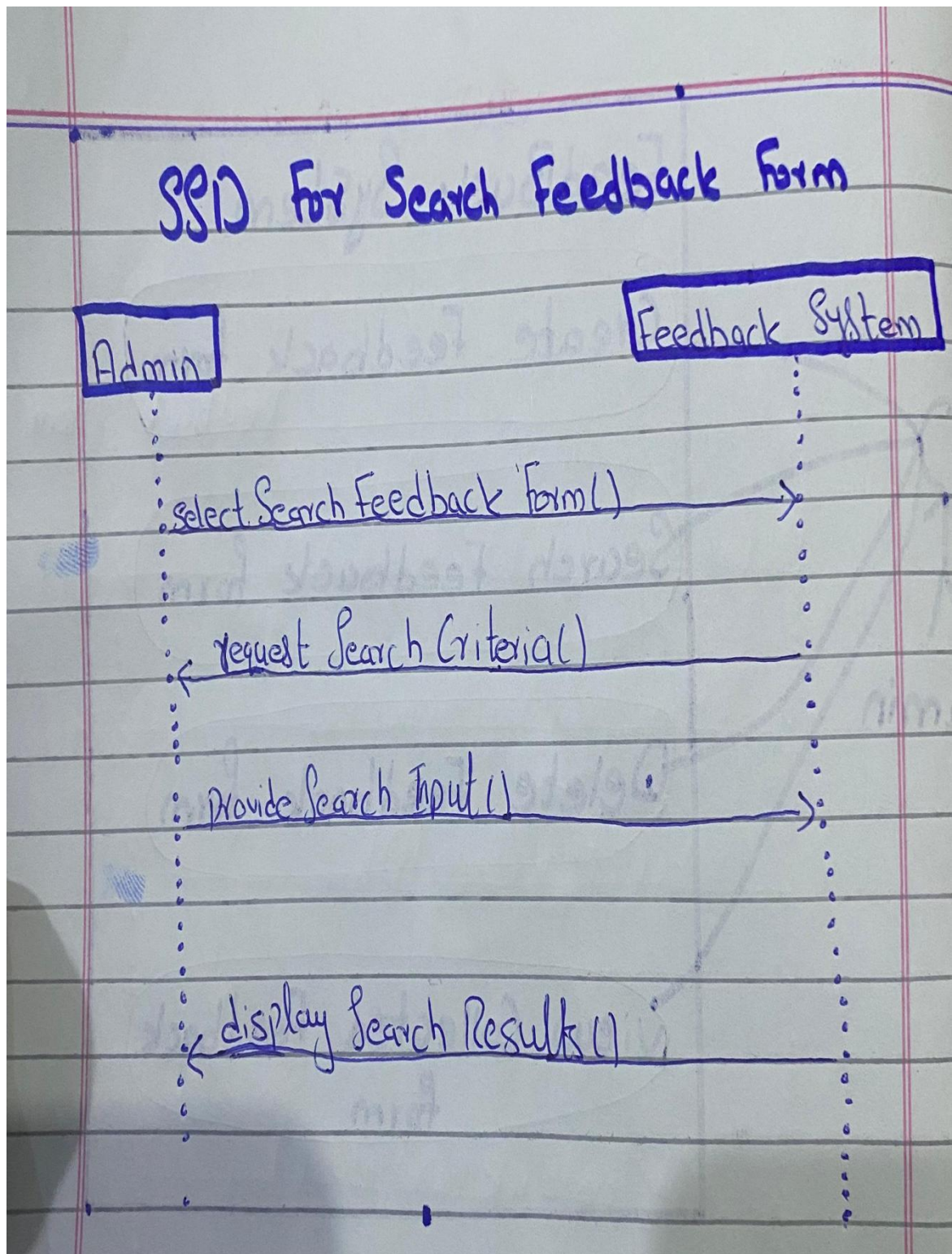


## CHAPTER NO 4:

### SSD FOR CREATE FEEDBACK FORM:

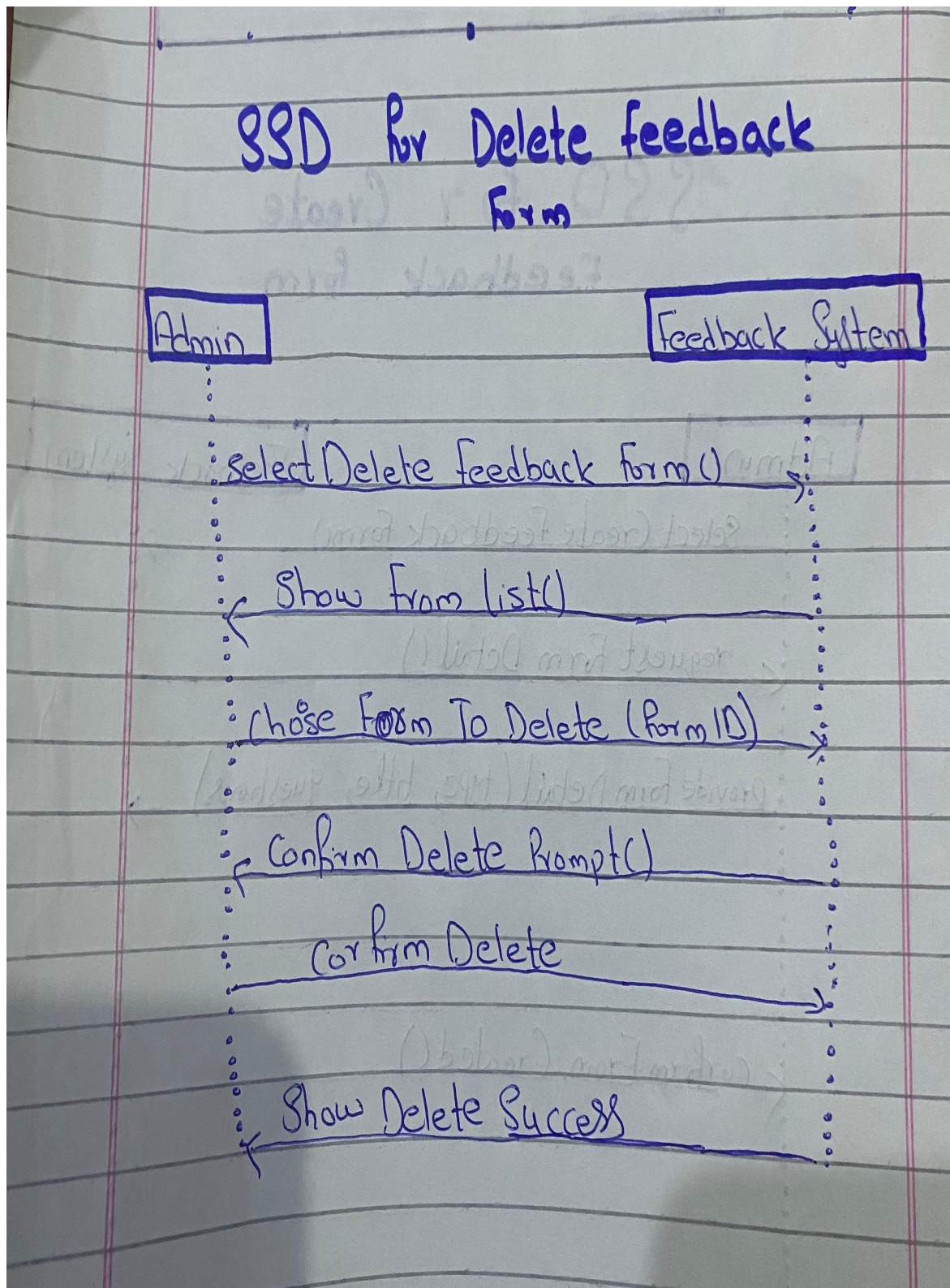


## SSD FOR SEARCH FEEDBACK FORM:

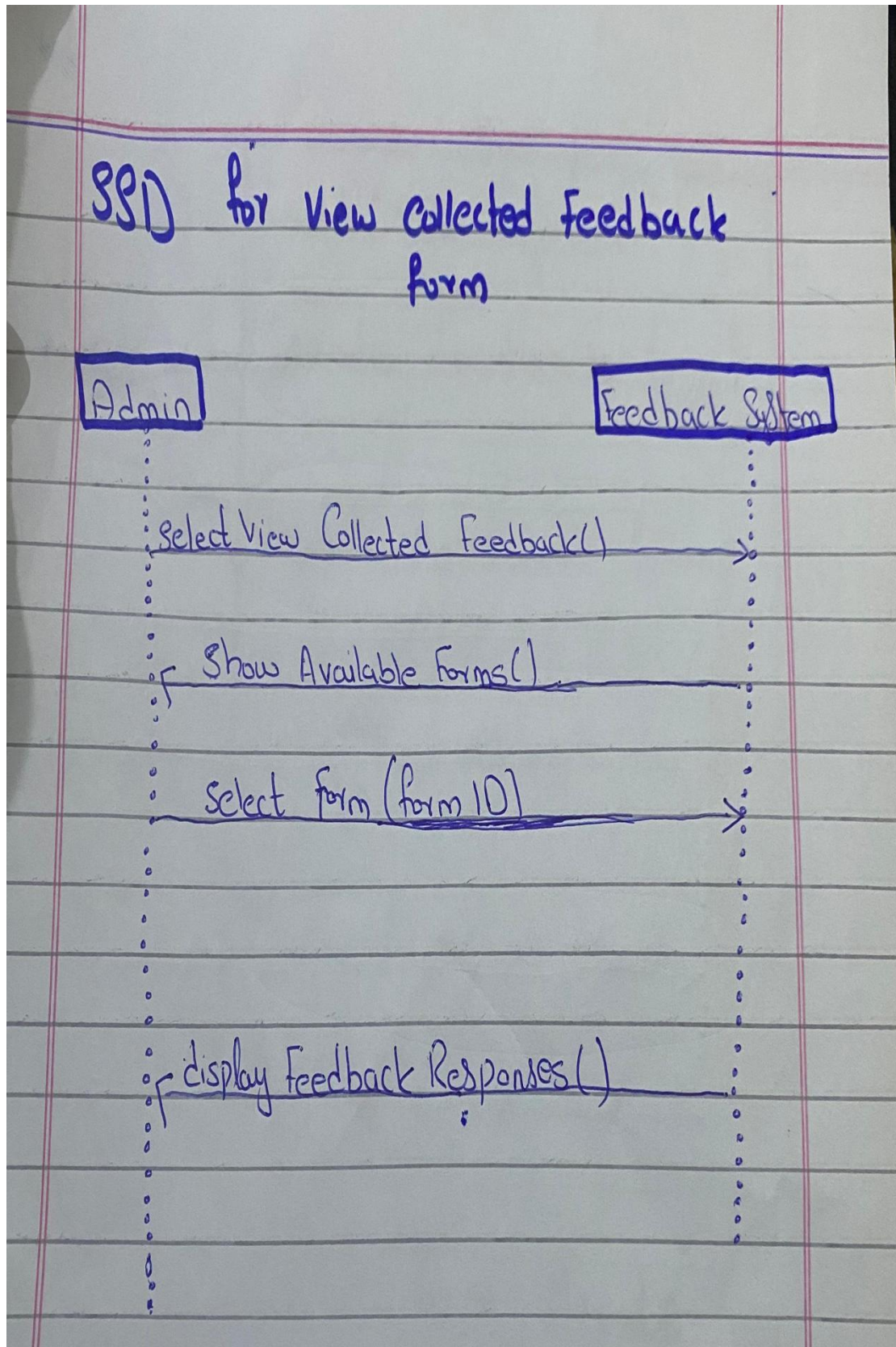




## SSD FOR DELETE FEEDBACK FORM:



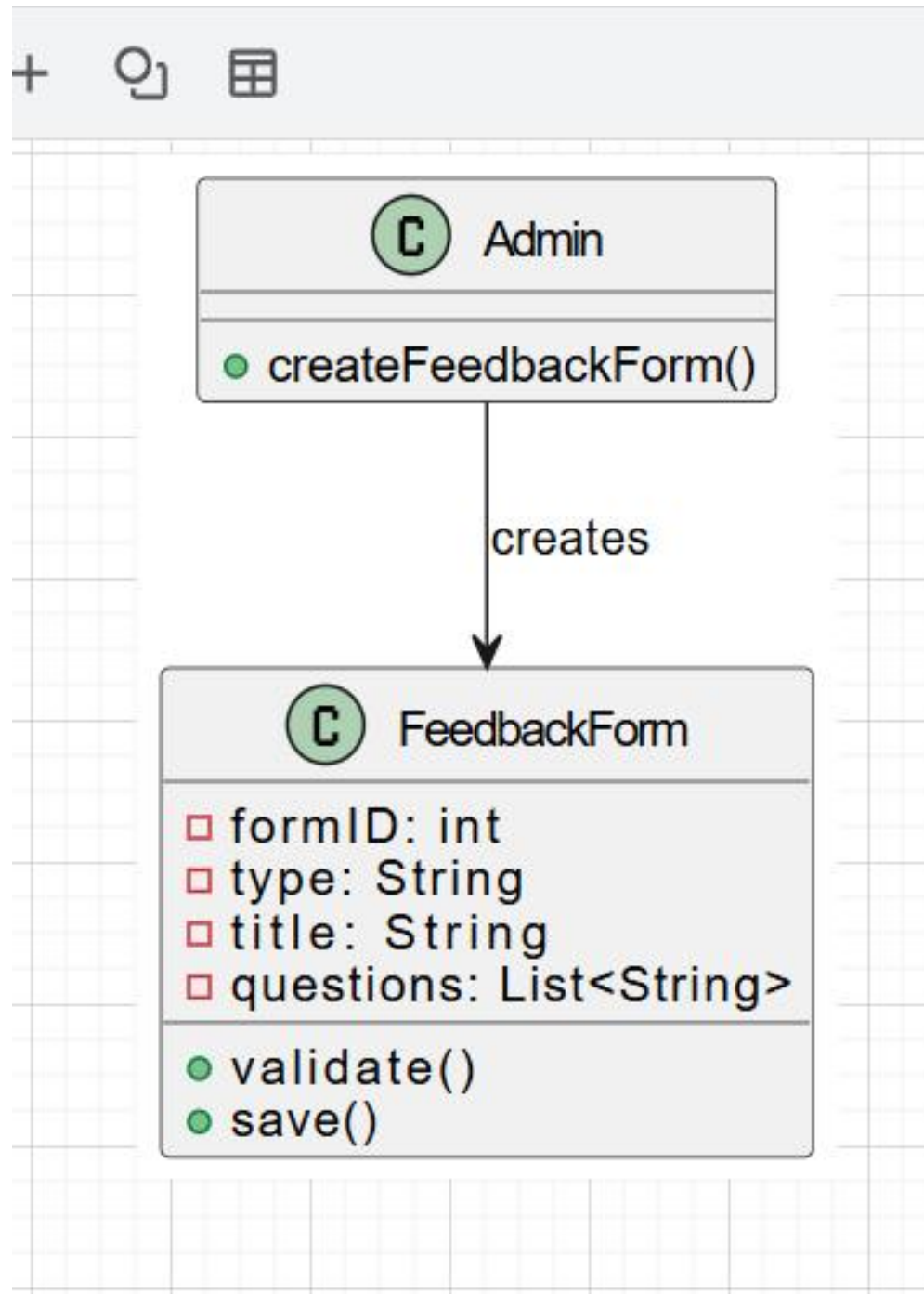
## SSD FOR VIEW COLLECT FEEDBACK FORM:



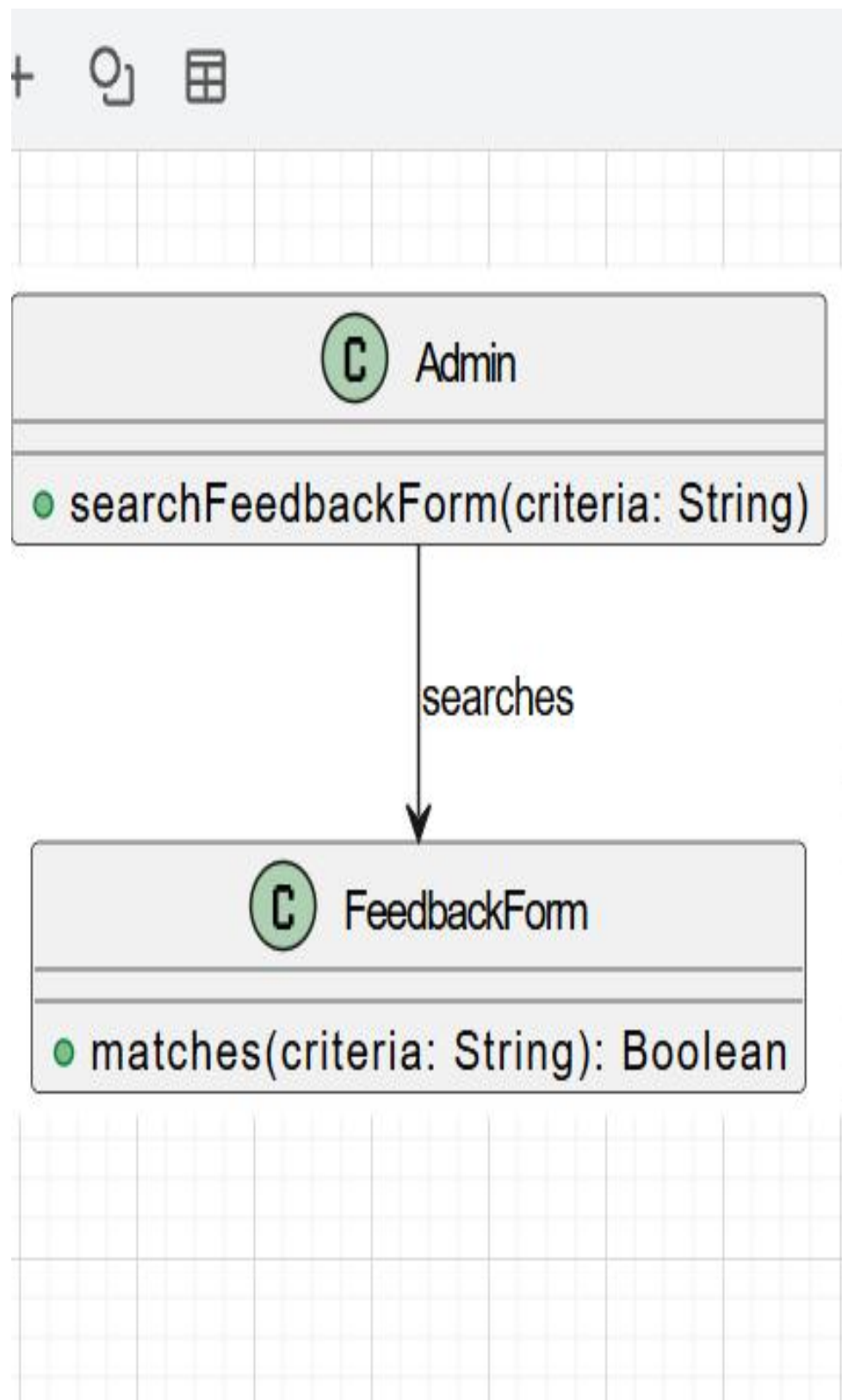


## CHAPTER NO 5:

### CLASS DIAGRAM FOR CREATE FEEDBACK FORM:

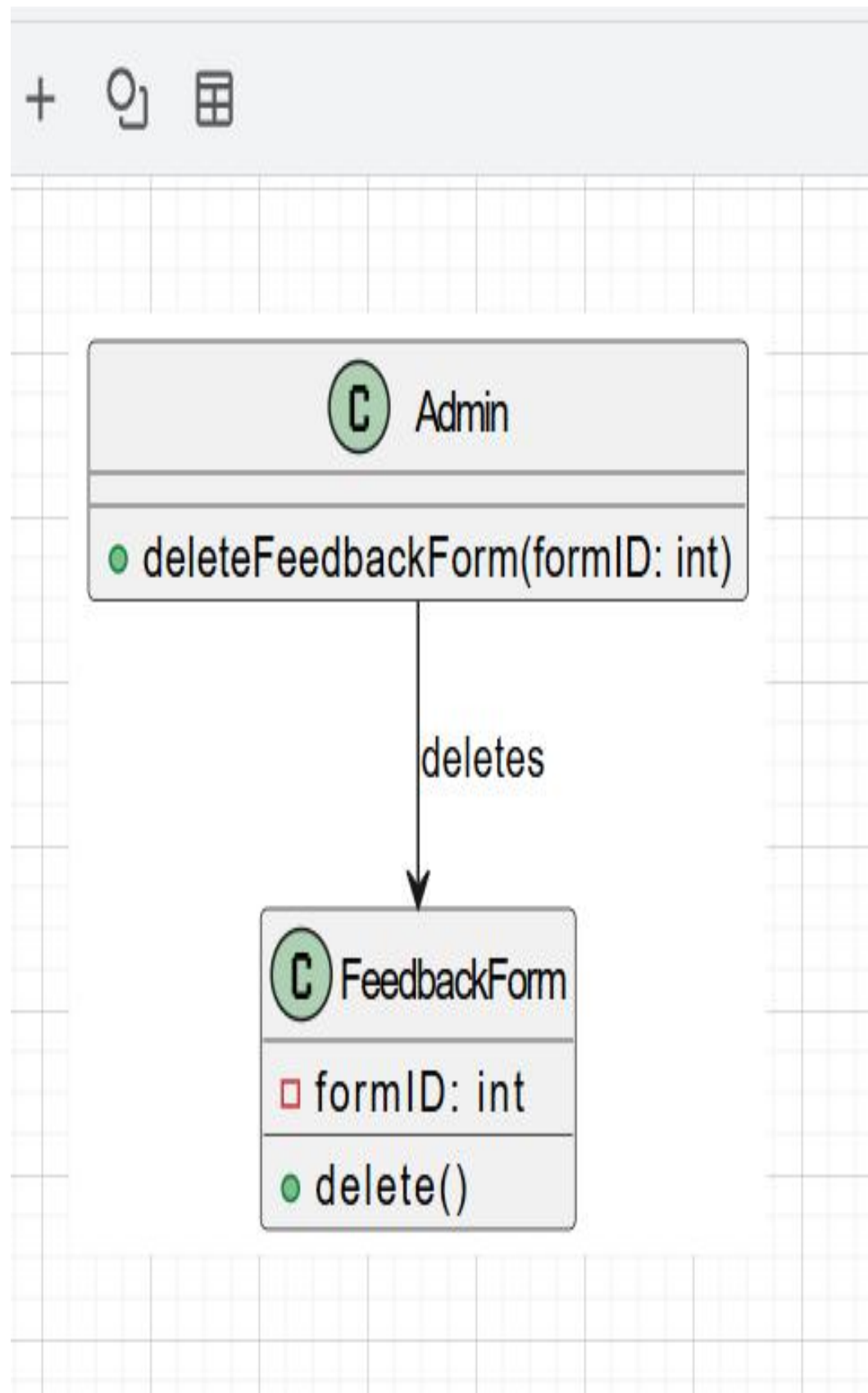


## CLASS DIAGRAM FOR SEARCH FEEDBACK FORM:

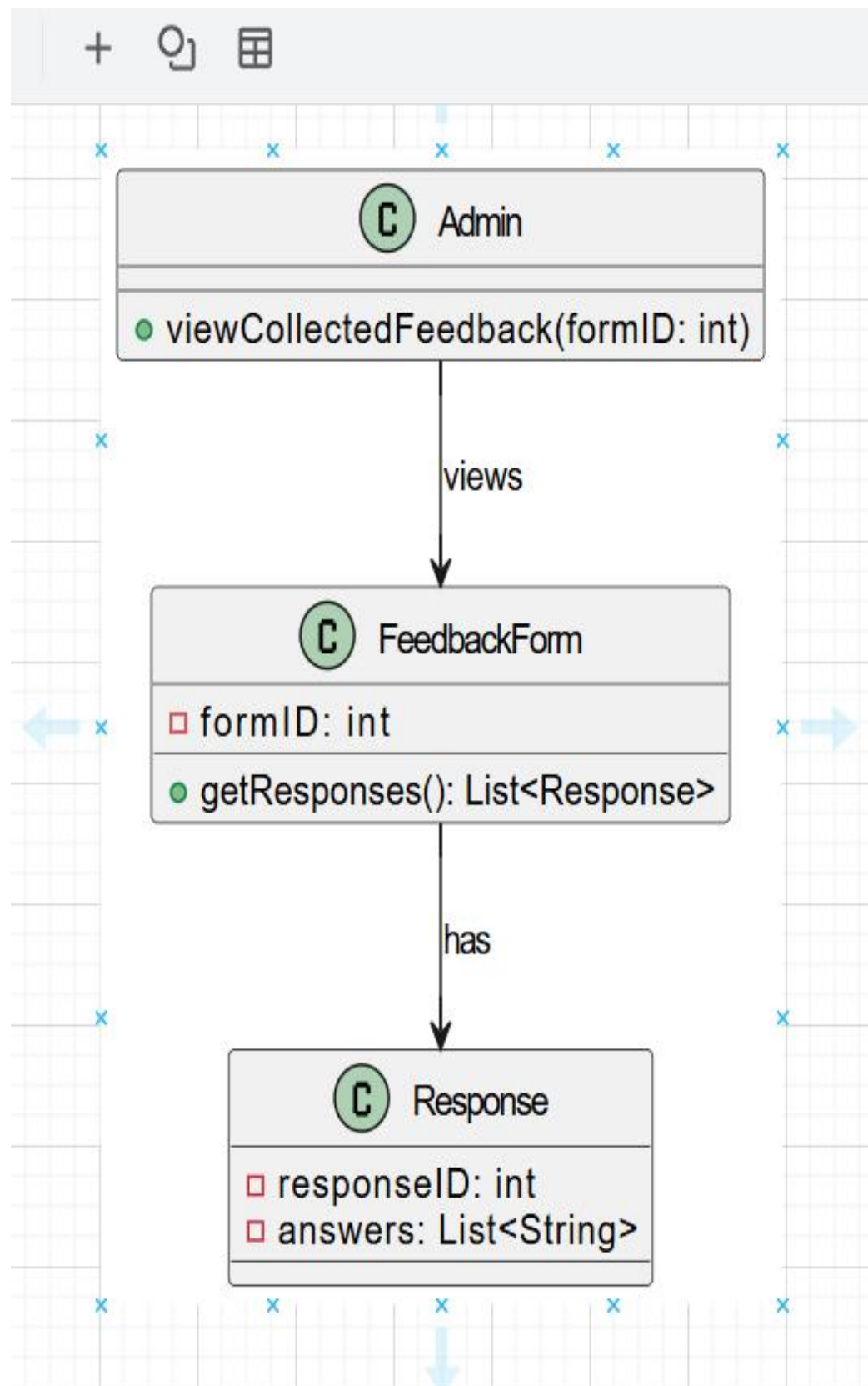




## CLASS DIAGRAM FOR DELETE FEEDBACK FORM:



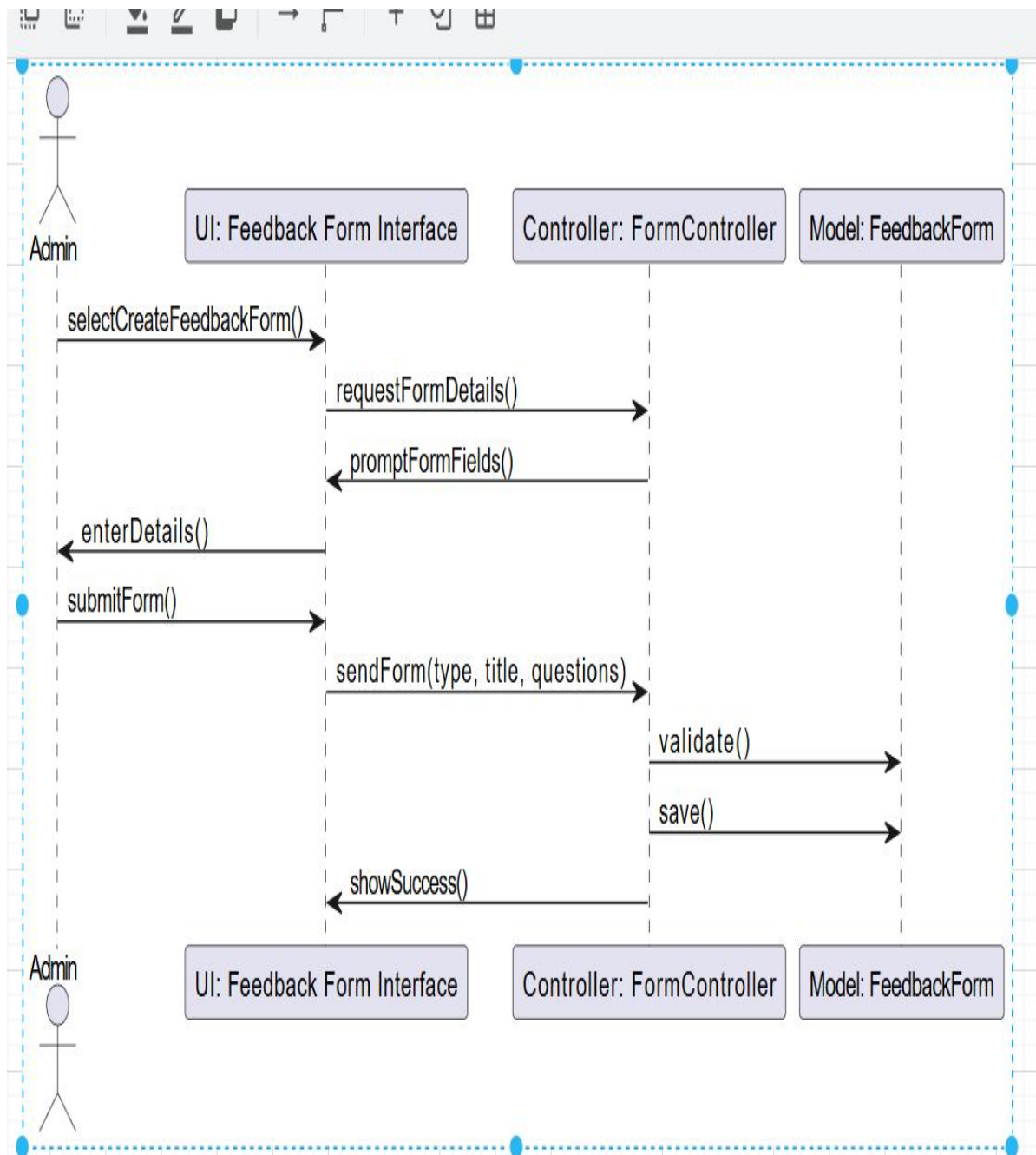
## CLASS DIAGRAM FOR VIEW COLLECT FEEDBACK FORM:



## CHAPTER NO 6:

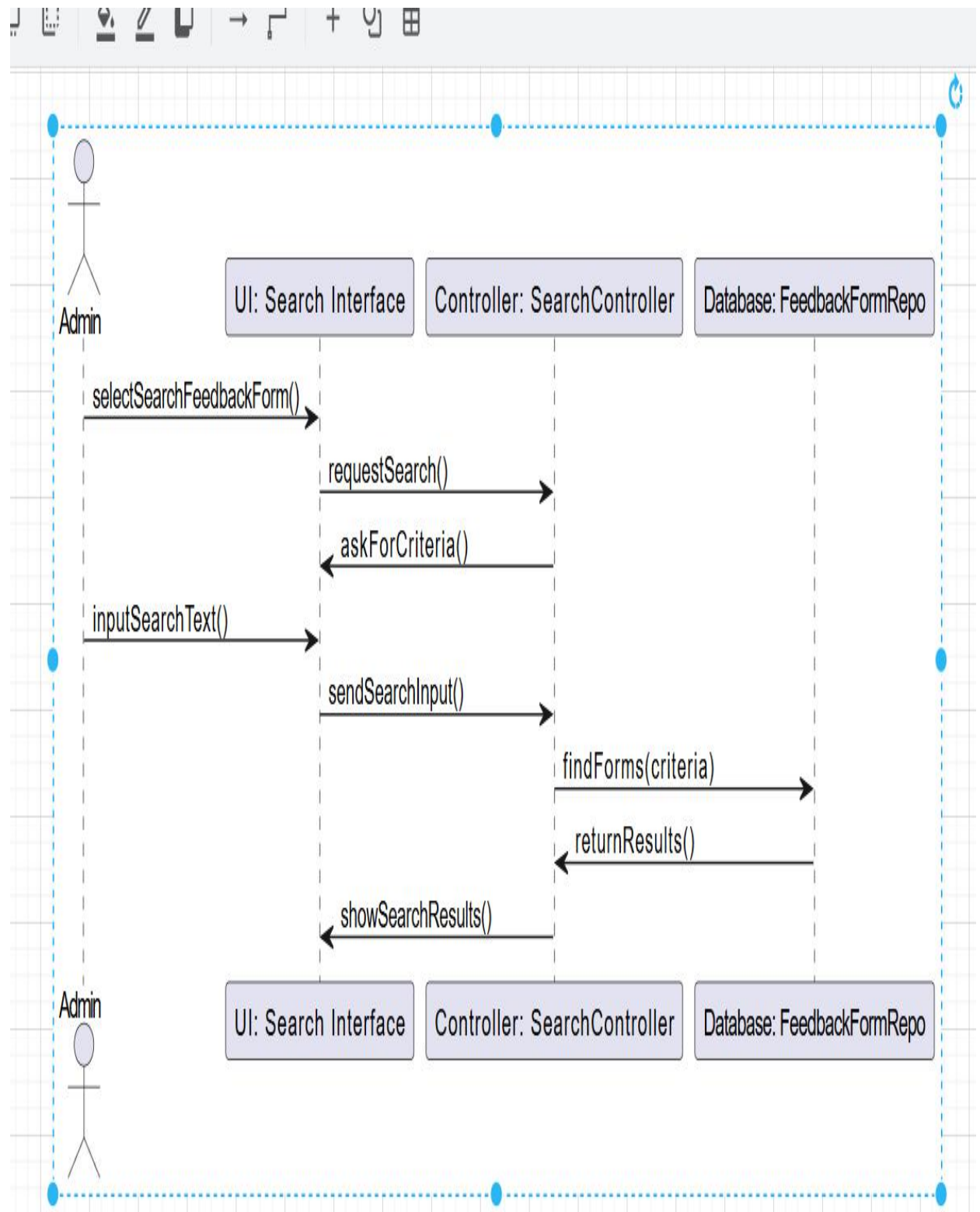
### COMMUNICATION DIAGRAM FOR CREATE FEEDBACK

#### FORM:

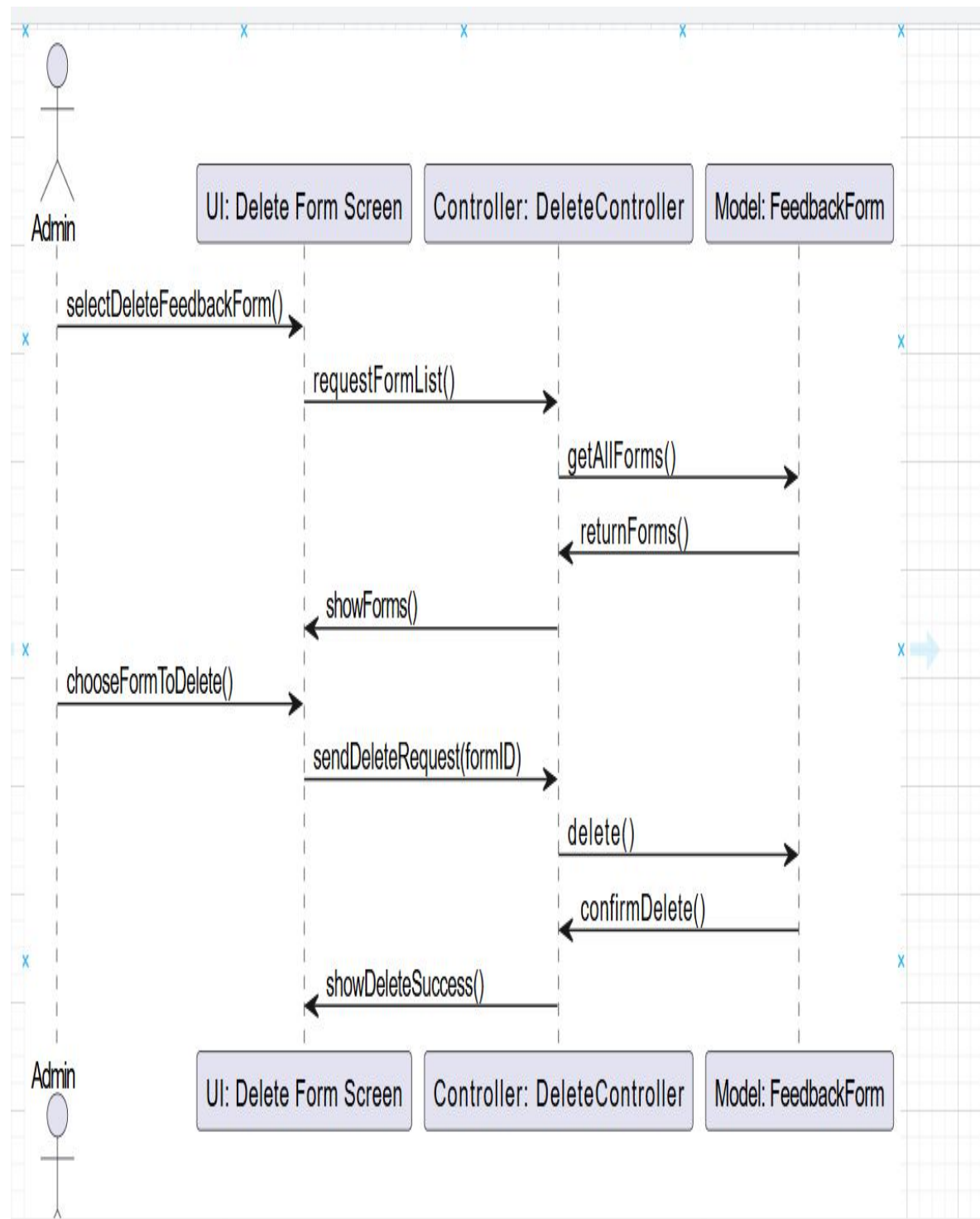


## COMMUNICATION DIAGRAM FOR SEARCH FEEDBACK

FORM:



## COMMUNICATION DIAGRAM FOR DELETE FEEDBACK FORM:



## COMMUNICATION DIAGRAM FOR VIEW COLLECT

### FEEDBACK FORM:

