Course Project

Project Title

Employment Application Review System

Course Code: SWE331

Course Title: Object Oriented Software Development

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Chapter 1: INTRODUCTION

1 Introduction

The name of my system is Employment Application Review System. Using this system applicants will apply for the job. Faculty members will give review the applications of applicants and list the applicant to find the best applicant for the job.

1.1 About the system

EARS is an intranet-based Employment Application Review System is designed for the International School of Software.so that school faculty members can review applicants to find the best applicant for a given job opening .This system will have the following features:

- Log In
- Manage Account
- Apply Job
- Faculty Search
- Add New Faculty
- List All the applications
- Review Applications

1.2 Purpose

The main objective of the proposed system is to computerize the process for school faculty members in order to find the best applicant for a given job opening, by review the applications and list the applicant .And it will also reduce manpower and time consumption.

1.3 Scope

The goal of this project is to establish an integrated School Employment Application Review System which enables us to automate the review application processes of the school and choose the best applicant for the post .Here

Applicant: Applicant can create profile then view new job post and apply for the job.
School Faculty: They will view applications then, list the best applicants by rating their application they also can post comment.

Admin: Admin will upload, update, delete new jobs view applicant cv. He can also manage the system user by add or delete account.

1.4 Vision

The vision of this system collaborate asynchronously with faculty member and taking their review. to choose the best applicant for the opening job. The system is reducing the overhead of the process and workload for the faculty members.

1.5 Why This System Necessary??

Collaborate with all faculty member then Choose a best applicant for a job post it becomes so difficult and it takes lot time . But by the help of this system faculty can give their review any time via online and list the applicant by rating their application and choose the best application .

1.6 Proposed Solution

- Online collaboration with faculty member
- Online review system
- Online job apply

Chapter 2: SYSTEM ANALYSIS

2 System Analysis

2.1 Actor Goal List

Actor and Goals

Actor	Goals
School Faculty	• View applications • Gives Feedback • List best applicant
Applicants	• Apply job
Admin	• Upload jobs • Manage system user

2.2Use Case Model

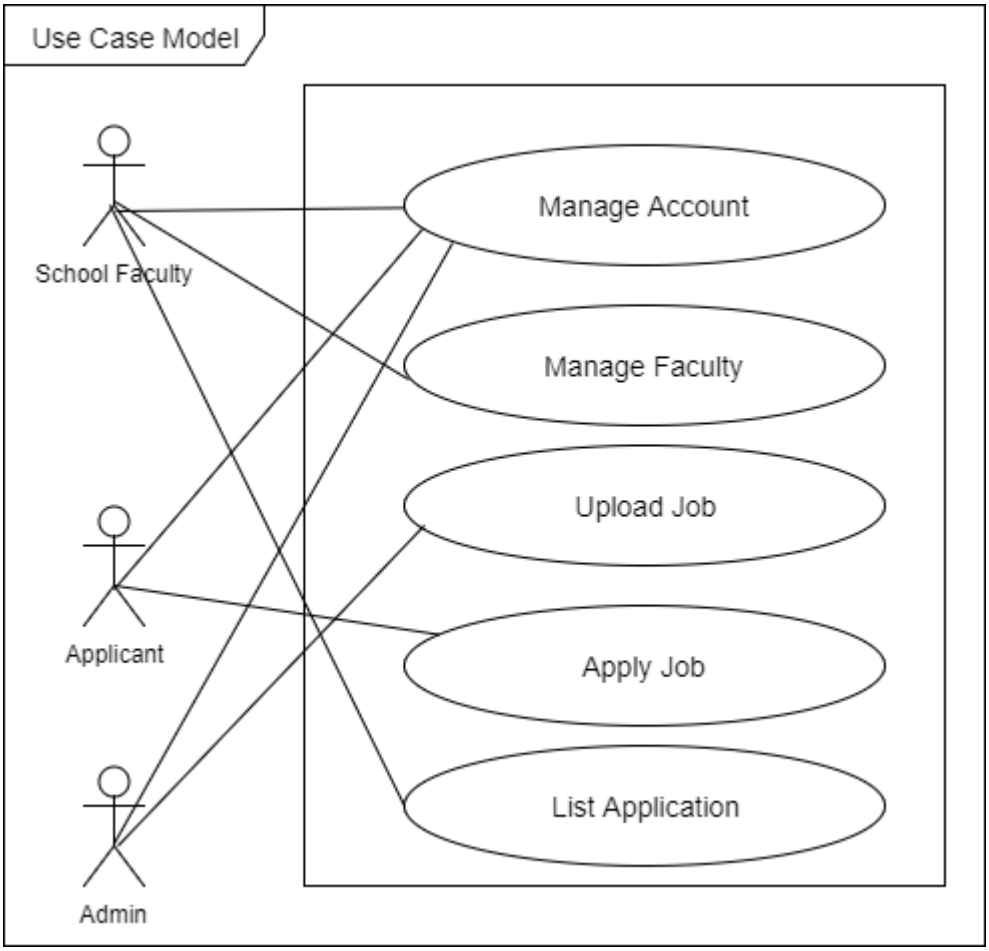

Fig-1: Use Case Diagram

2.2 Use Case Description (Brief)

2.2.1 Manage Account (success Scenario)

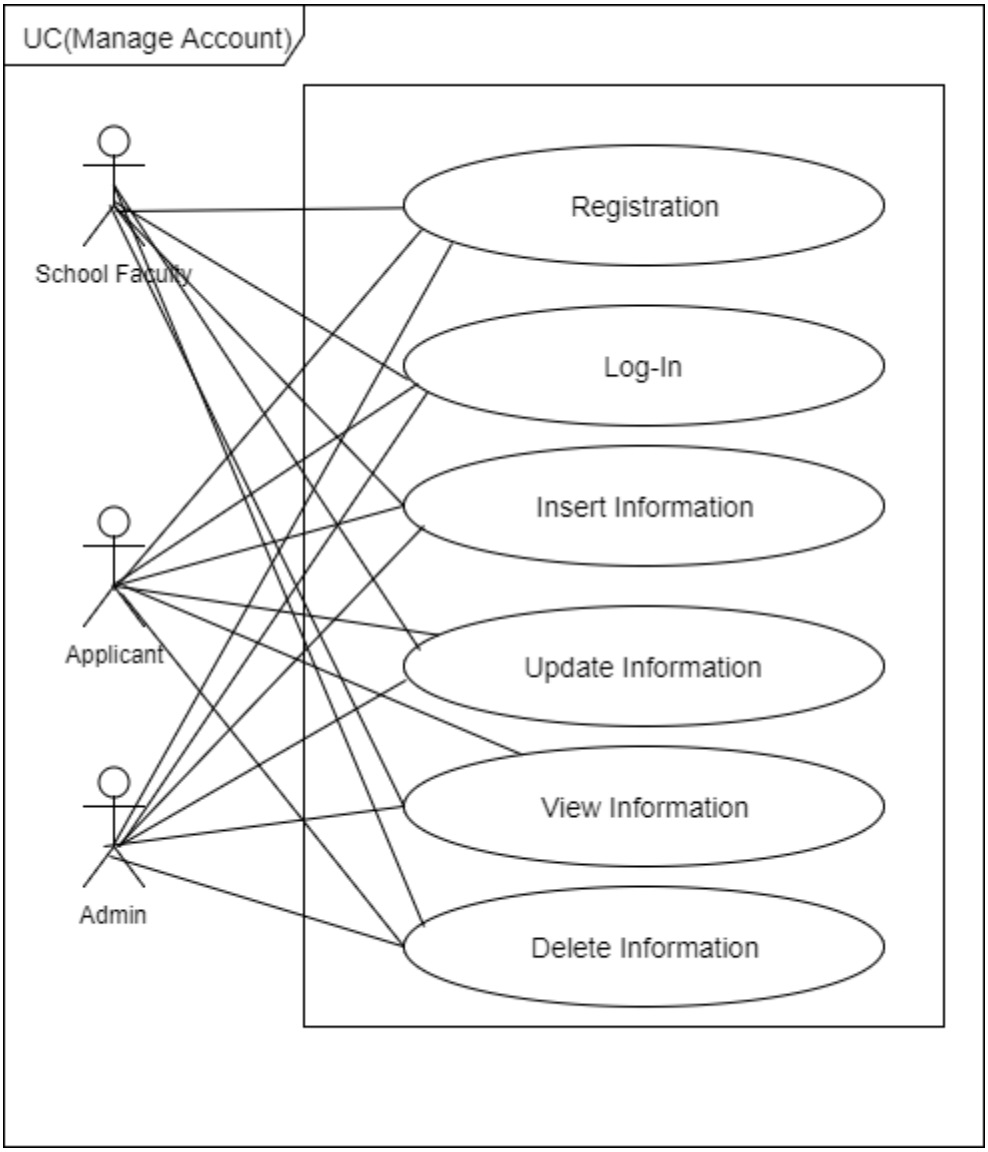

Fig-2: Use Case Diagram Of Manage Account

2.2.2 Manage Faculty (success Scenario)

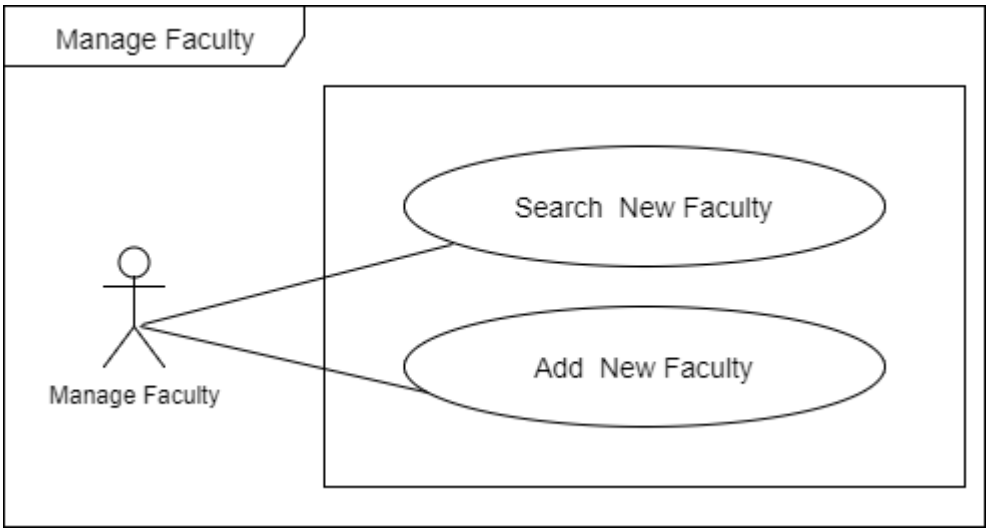

Fig 3: Use Case Diagram Of Manage Faculty

2.2.3 Upload Job (success Scenario)

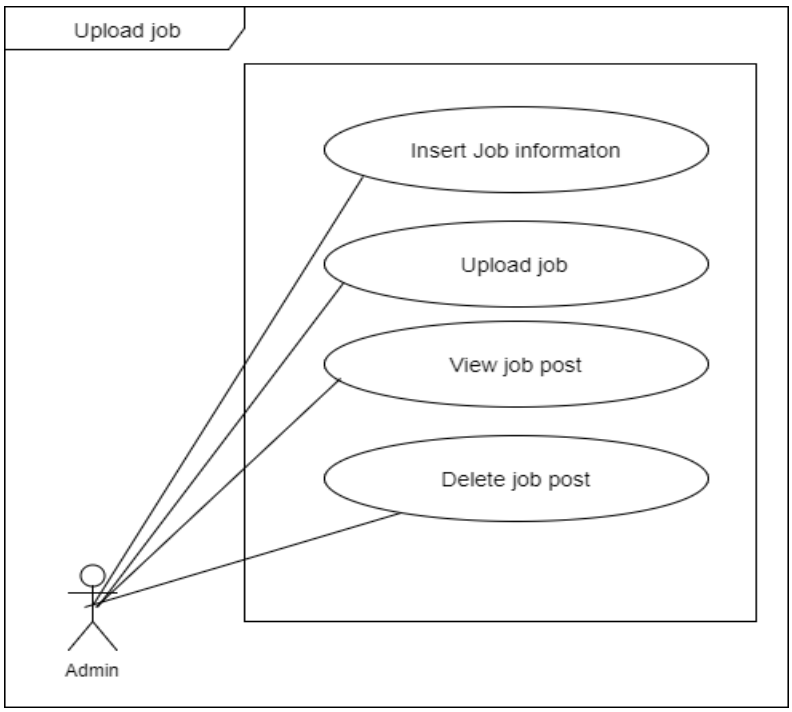

Fig-4: Use Case Diagram Of Upload Job

2.2.4 Apply job (success Scenario)

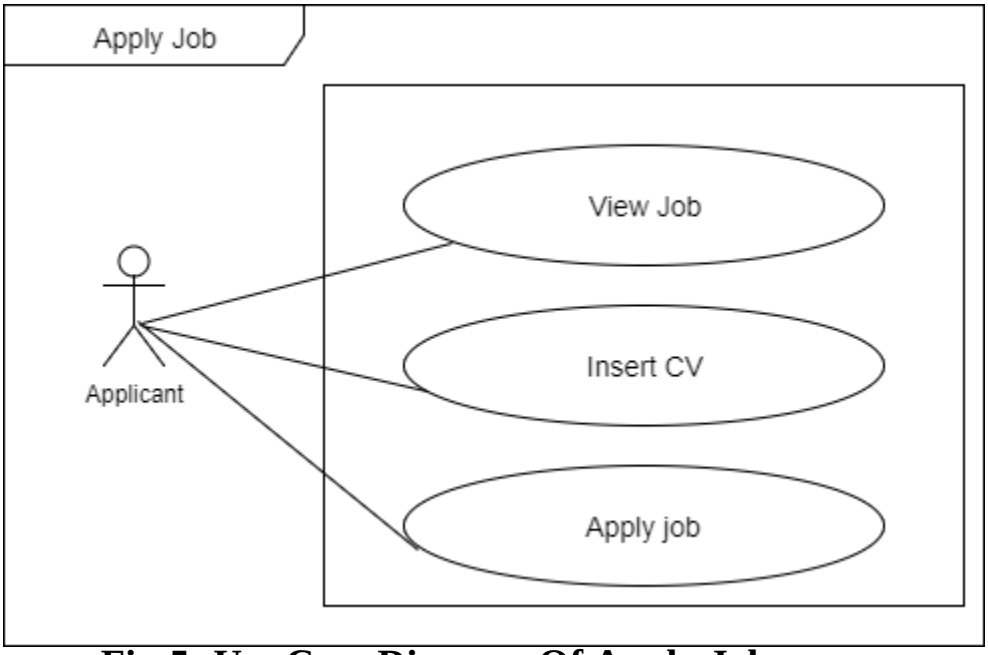

Fig-5: Use Case Diagram Of Apply Job

2.2.5 List Applicant (success Scenario)

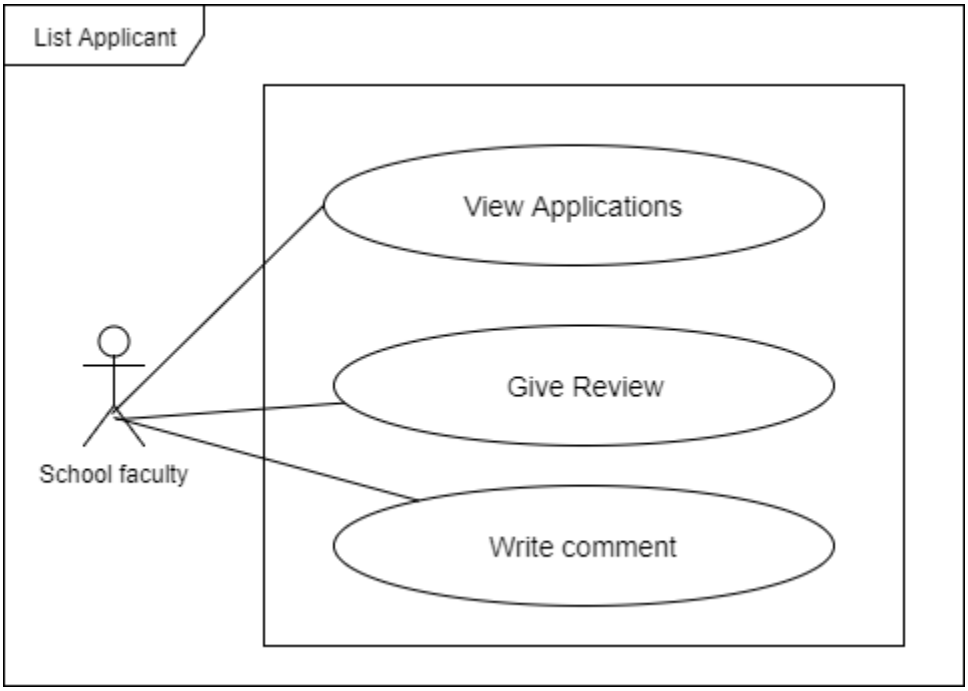

Fig-6: Use Case Diagram Of List Applicant

2.3 Use Case Description (Detailed)

In use case description detailed are given for every single use cases. It will everyone to understand what that use case has been used for, for which actor this use case has been used.

2.3.1 Manage Account

Use Case Name:	Manage Account	
Scenario: (success Scenario)	User can manage his/her account settings	
Brief Description:	User can insert information ,update information also delete his/her profile information	
Actor:	All User(School Faculty ,Admin ,Applicant)	
Preconditions:	Must have to create his/her account. Must log in to his/her account	
Post conditions:	View information.	
Flow of Events:	**Actor**	**System**
	User will insert ,update ,view ,delete information	System will save new user information Delete user information from database

		Show user information
Exception Conditions:	1.Without internet user can not able to log in to his/her account	

2.3.2 Manage Faculty

Use Case Name:	Manage Faculty	
Scenario: (success Scenario)	School faculty member can manage their faculty member	
Brief Description:	School faculty member can Search for new faculty member and also and add them	
Actor:	School faculty member	
Preconditions:	Faculty member must have to an account	
Post conditions:	Review Applicant	
Flow of Events:	**Actor**	**System**
	Faculty member will add new faculty and search new faculty	System will save new faculty member name Show Search information

Exception Conditions:	1. If that searched person does not exist or don't have any account, then faculty can't add the person.

2.3.3 Upload job

Use Case Name:	Upload job	
Scenario: (success Scenario)	Admin can upload job	
Brief Description:	Admin can create new job post with job information. Also can update post	
Actor:	Admin	
Preconditions:	Must have to insert job information	
Post conditions:	View job posts	
Flow of Events:	**Actor**	**System**
	Admin will insert new job information	System will save new job information
Exception Conditions:	1. Without Insert job information can not create any job posts	

2.3.4 Apply job

Use Case Name:	Apply job	
Scenario: (success Scenario)	Applicant can apply for the opening job	
Brief Description:	Applicant can drop his/her cv and apply for the job	
Actor:	Applicant	
Preconditions:	Must have to have user account Must have to attached cv	
Post conditions:	View information	
Flow of Events:	**Actor**	**System**
	Applicant will Attached cv	System will save it to database
Exception Conditions:	1. Without attached applicant can not apply for any job	

2.3.5 List Applicant

Use Case Name:	List Applicant	
Scenario: (success Scenario)	School faculty will list applicant	
Brief Description:	School faculty member will view application of applicant and listed them by giving their review	
Actor:	School faculty member	
Preconditions:	Must have to review applications	
Post conditions:	Write comment to the applicant	
Flow of Events:	**Actor**	**System**
	School faculty member will give their review to the application	System will Receive it and save it to database And listed them on the basis of the review
Exception Conditions:	Must have to view applicant profile	

2.4 System Sequence Diagram

2.4.1 Manage Account (Success Scenario)

User(Admin, School Faculty, Applicant)

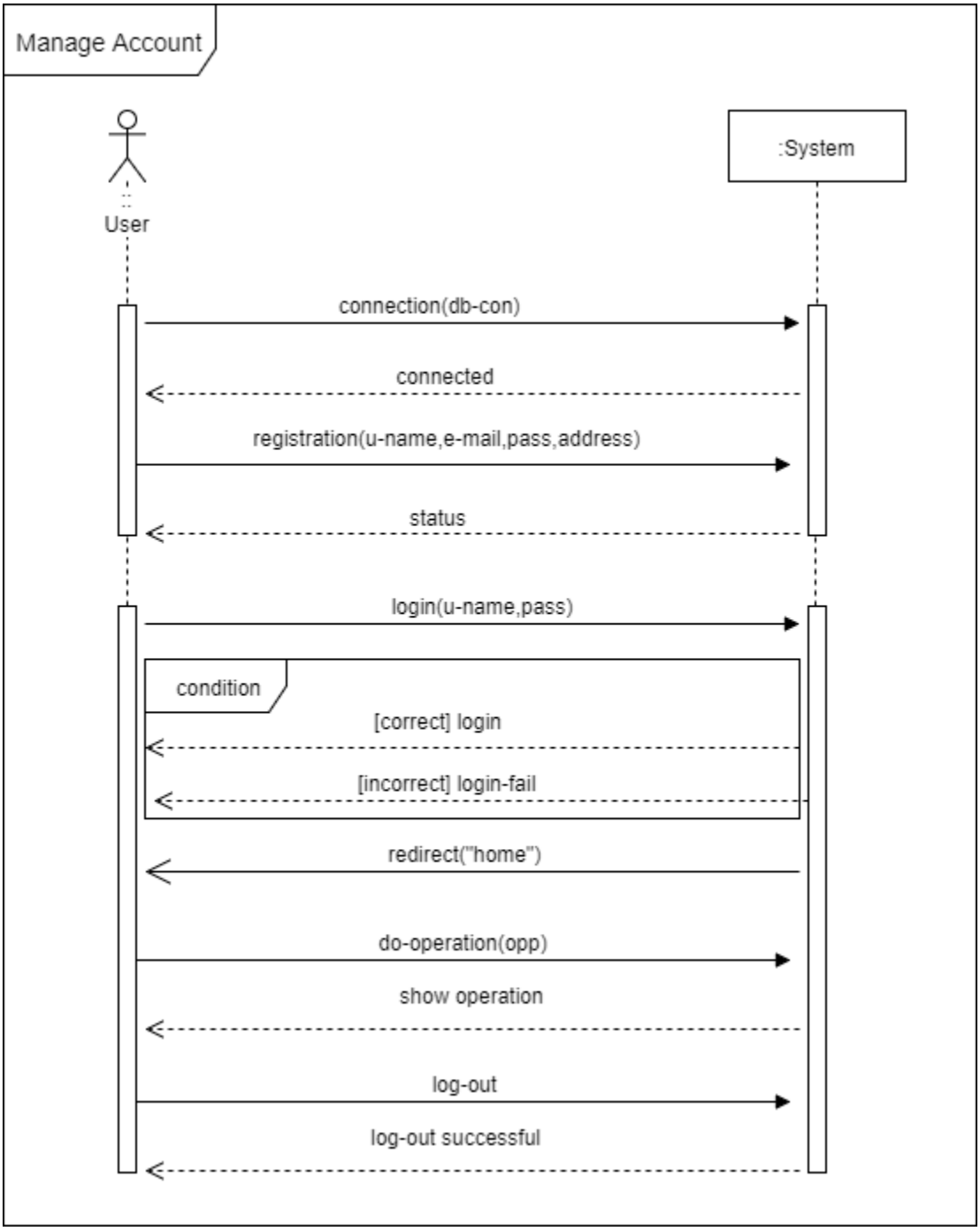

Fig-7: System Sequence Diagram Of Manage Account

2.4.2 Manage Faculty (success Scenario)

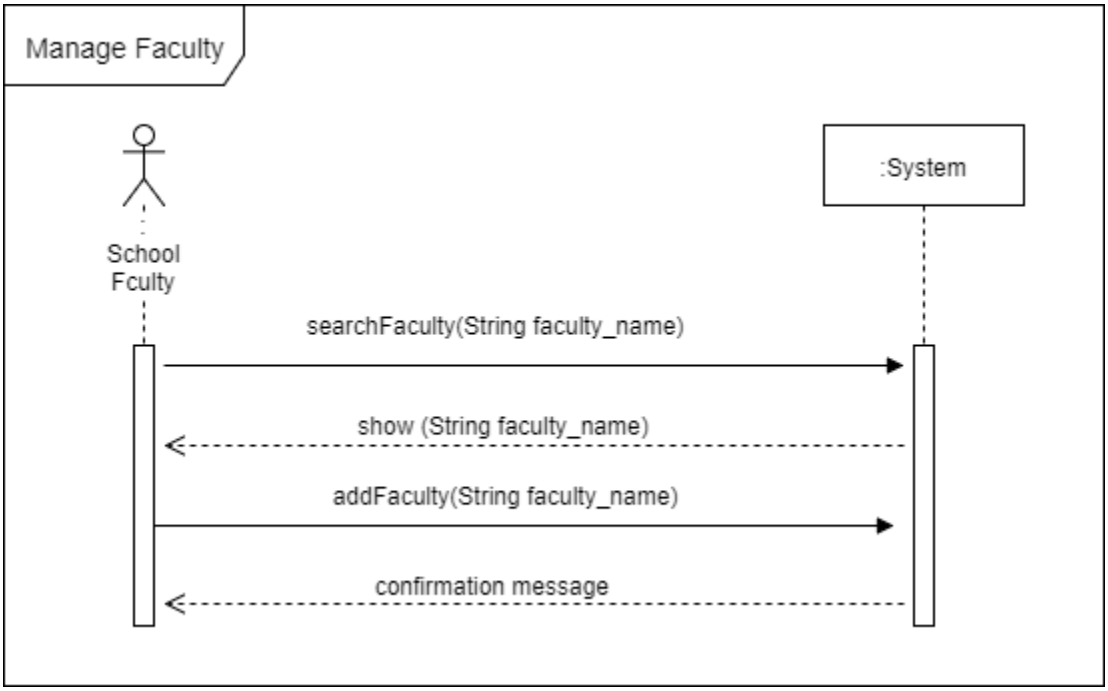

Fig-8: System Sequence Diagram Of Manage Faculty

2.4.3 Upload job(success Scenario)

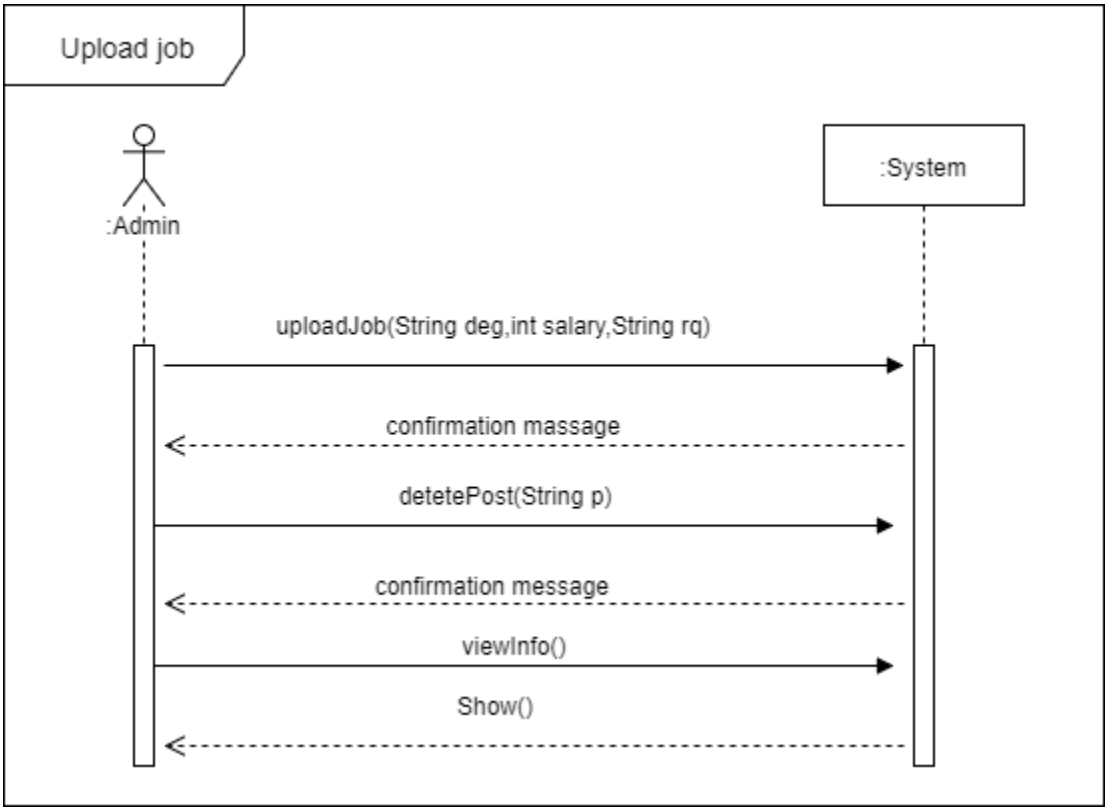

Fig-9: System Sequence Diagram Of Upload Job

2.4.4 Apply Job(success Scenario)

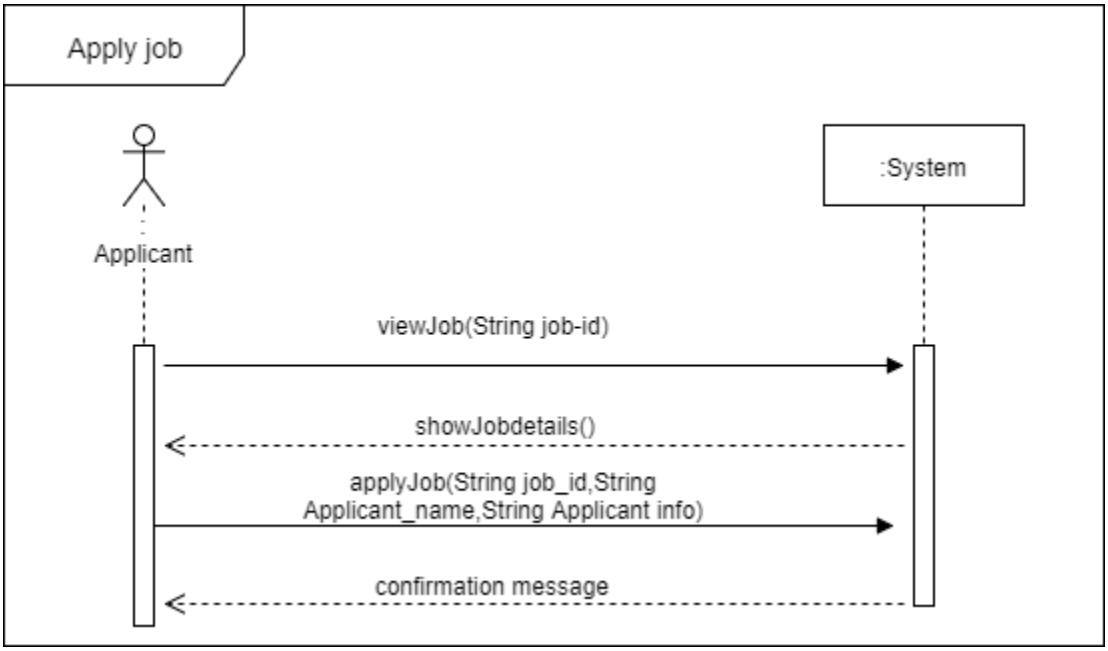

Fig-10: System Sequence Diagram Of Apply Job

2.4.5 List Applicant (success Scenario)

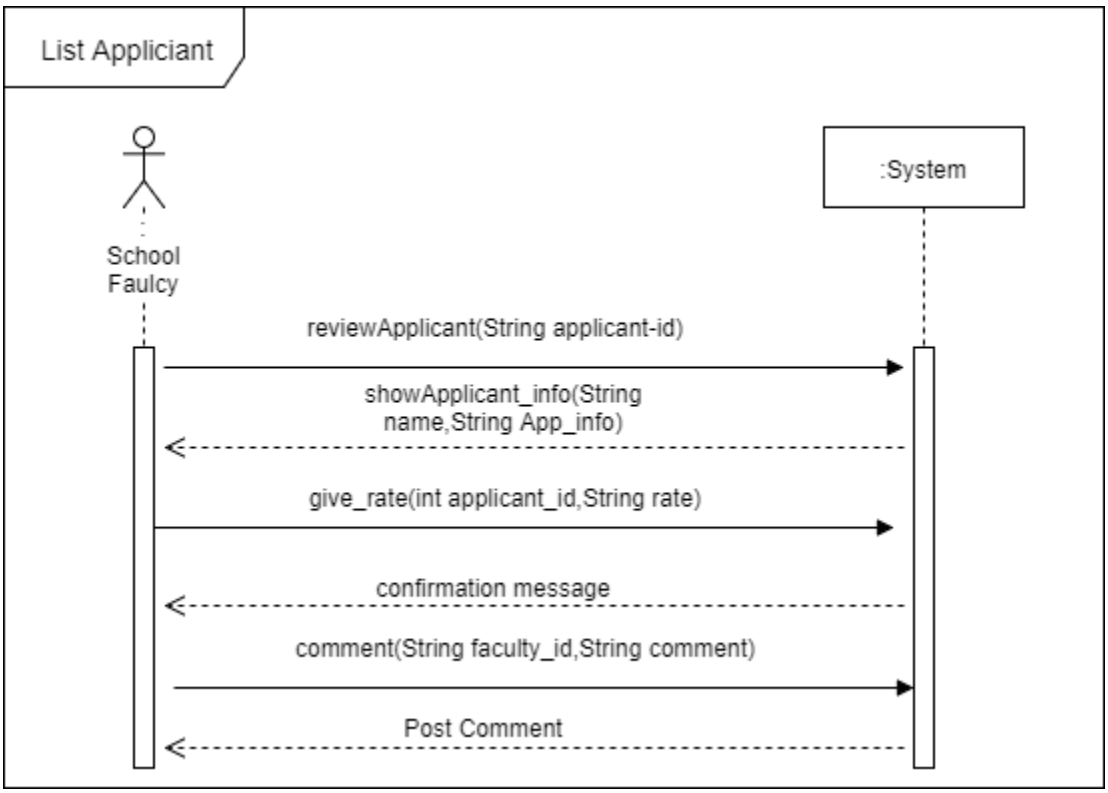

Fig-11: System Sequence Diagram Of List Applicant

2.5 Domain Model

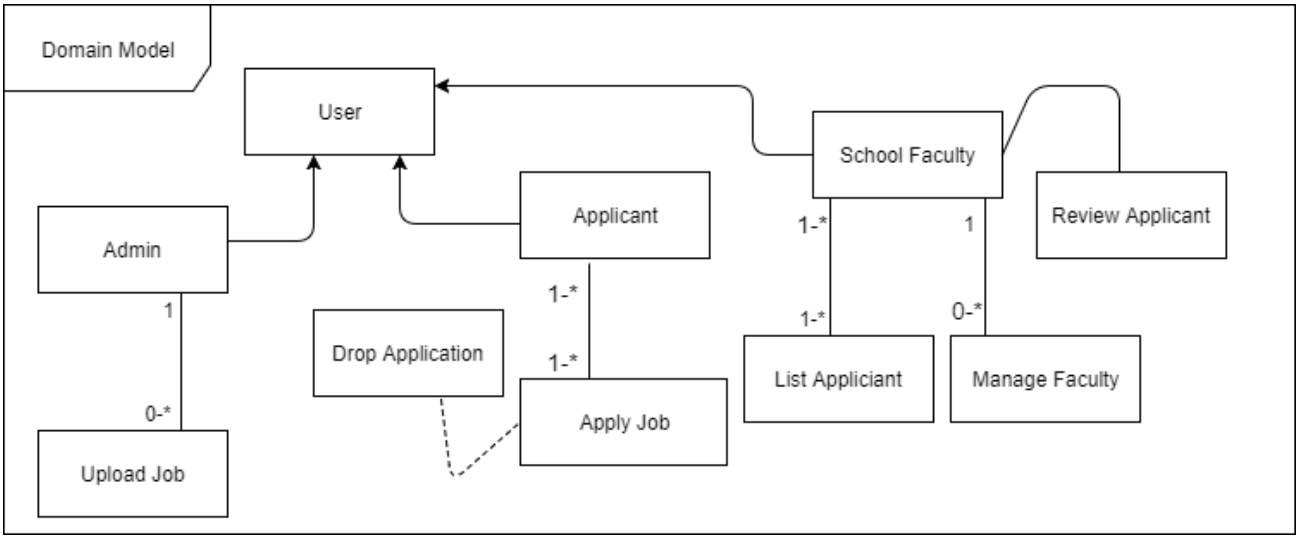

Fig-12: Domain Model diagram

2.6 Activity Diagram

2.6.1 Activity Diagram for Admin

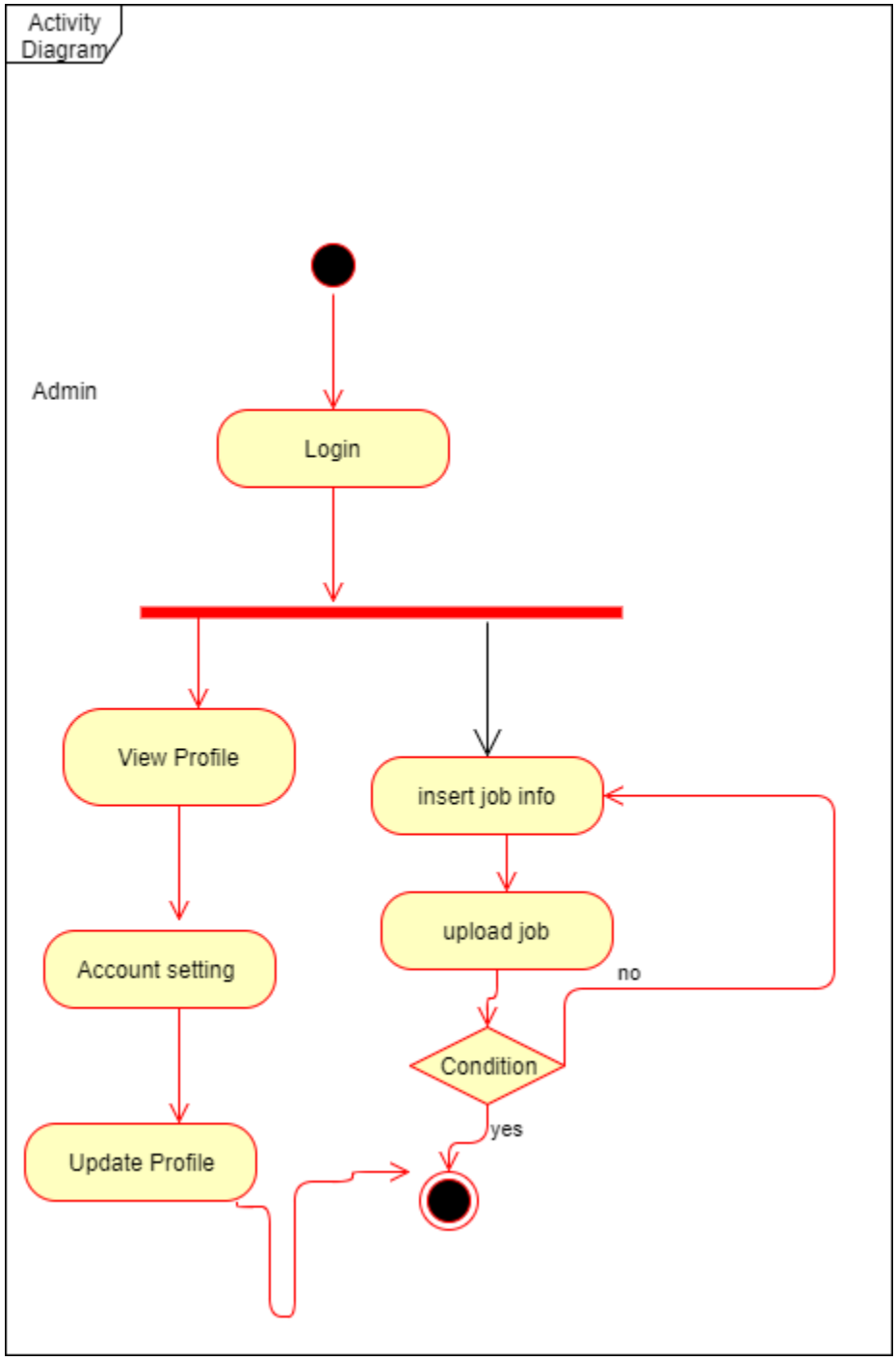

Fig-13: Activity Diagram for Admin

2.6.2 Activity Diagram for School Faculty and Applicant

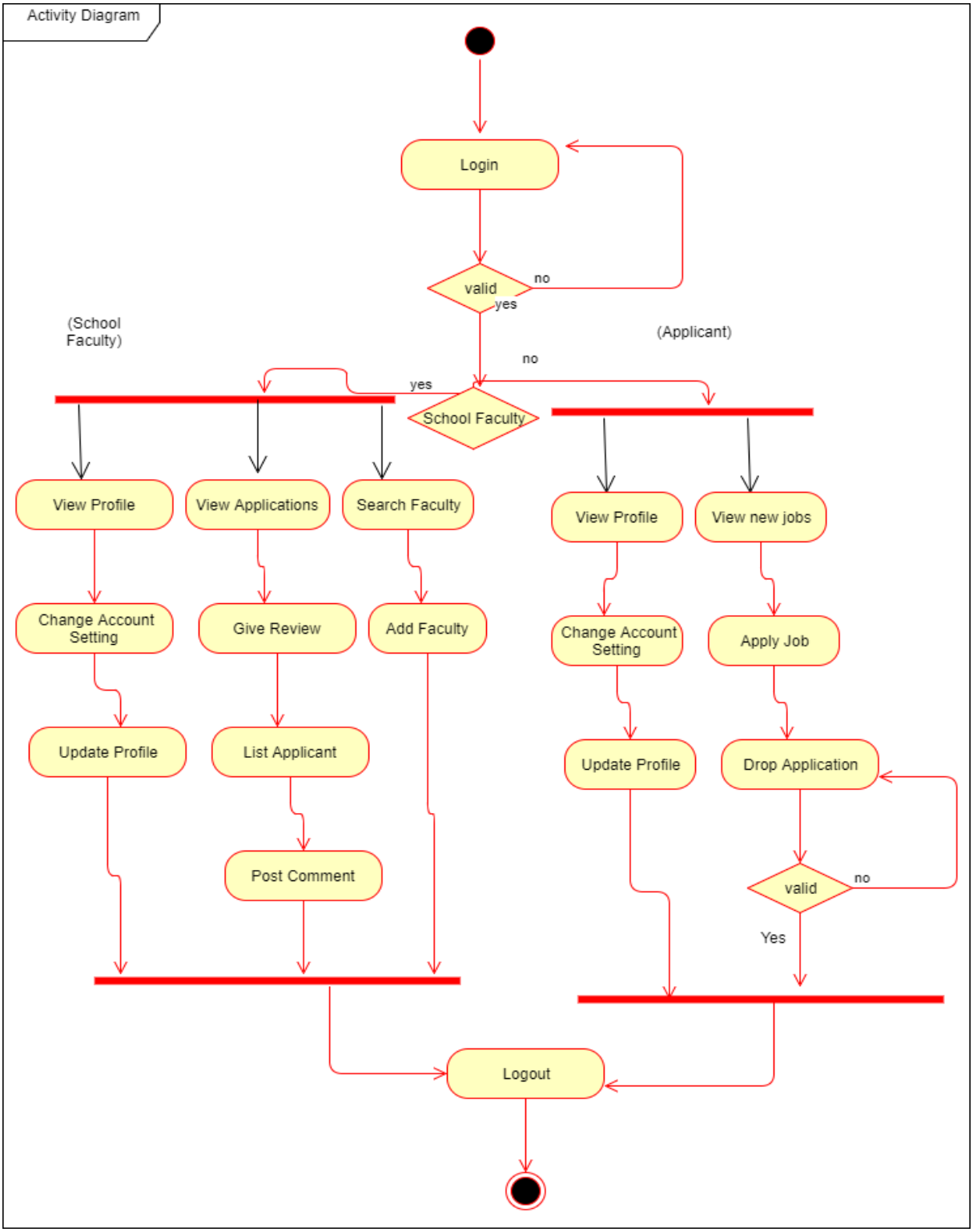

Fig-14: Activity diagram for school faculty and applicant

Chapter 3: System Design

System Design

It is a is the process of defining the components, modules, interfaces, and data for a system.it is a logical description of system how a system work.

2.7 Sequence Diagram

Sequence diagrams is vary useful to understand the System behave it describe interactions among classes in terms of an exchange of messages over time.

2.7.1 Manage Account (success scenario)

Here sUser(Admin, School faculty, Applicant)

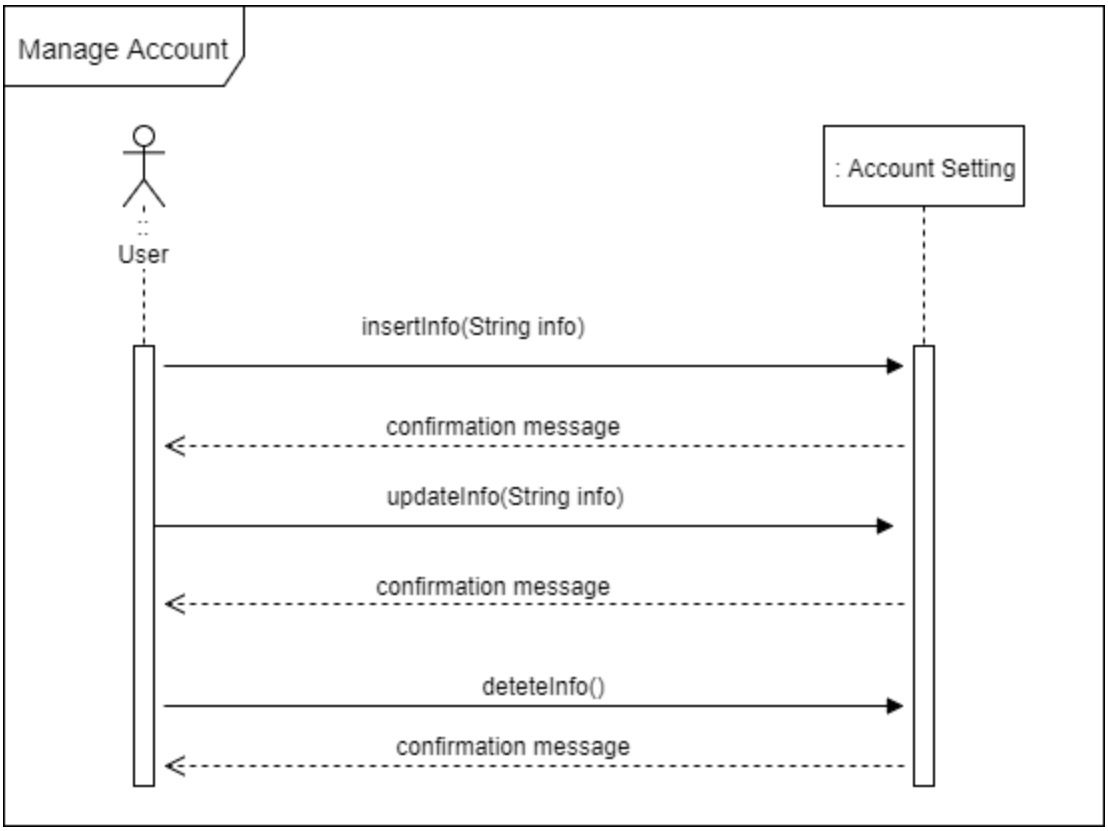

Fig-15: Sequence Diagram for Manage Account

2.7.2 Manage Faculty (success scenario)

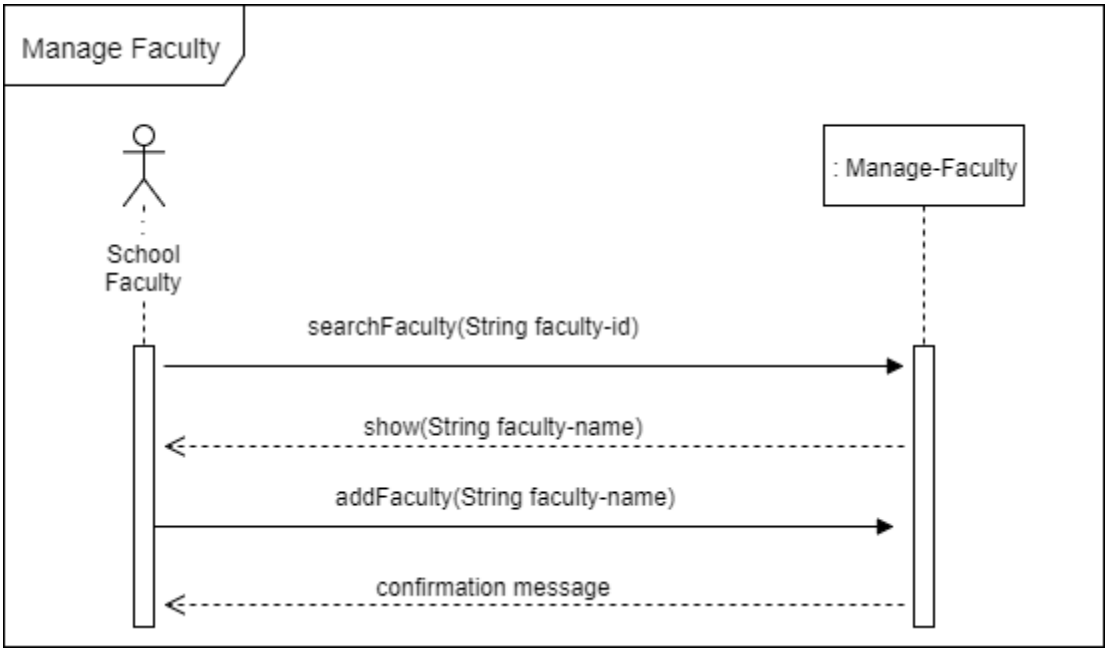

Fig-16: Sequence Diagram for Manage Faculty

2.7.3 Upload Job(success scenario)

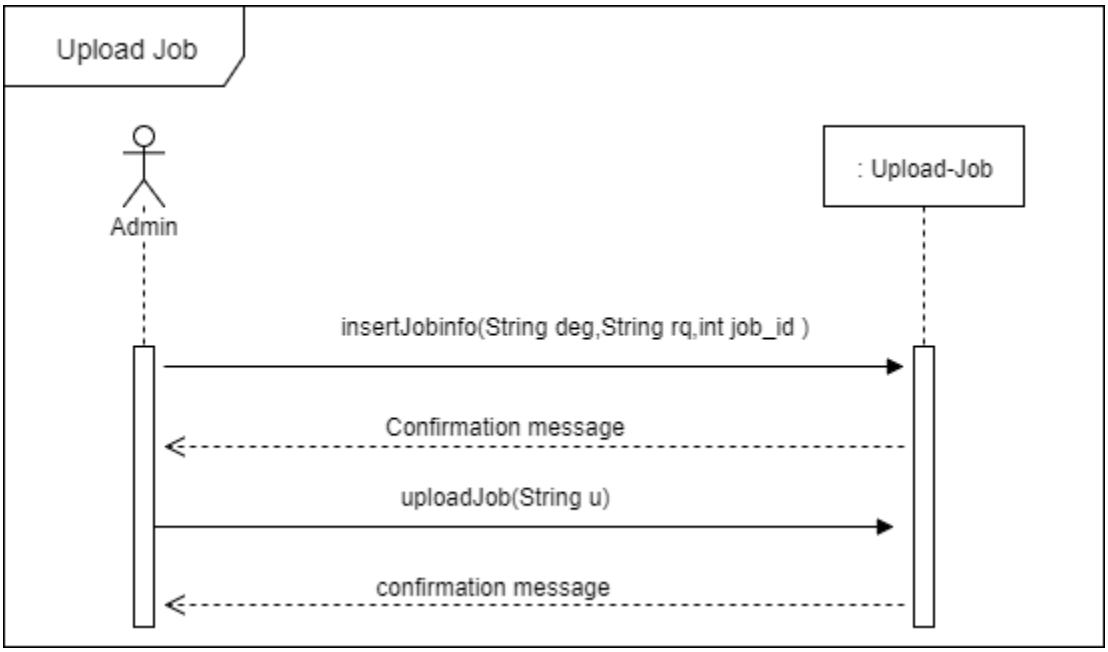

Fig-17: Sequence Diagram for Upload Job

2.7.4 Apply Job(success scenario)

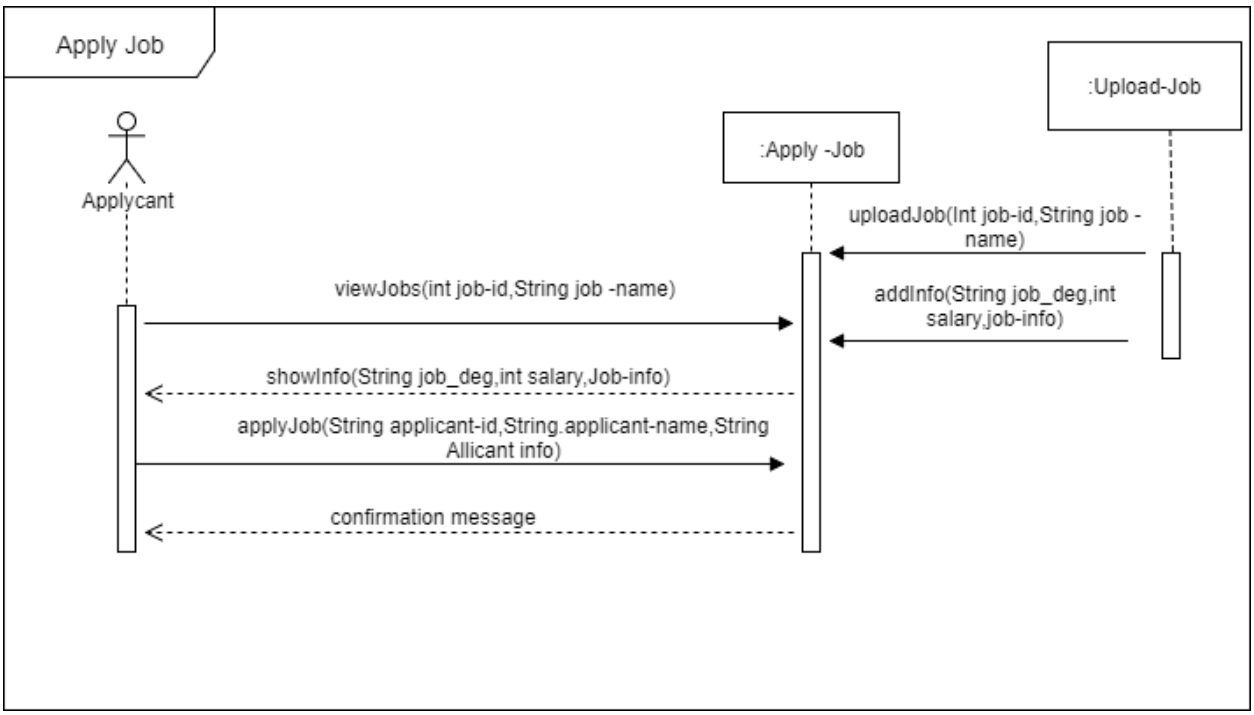

Fig-18: Sequence Diagram for Apply job

2.7.5 List Applicant (success scenario)

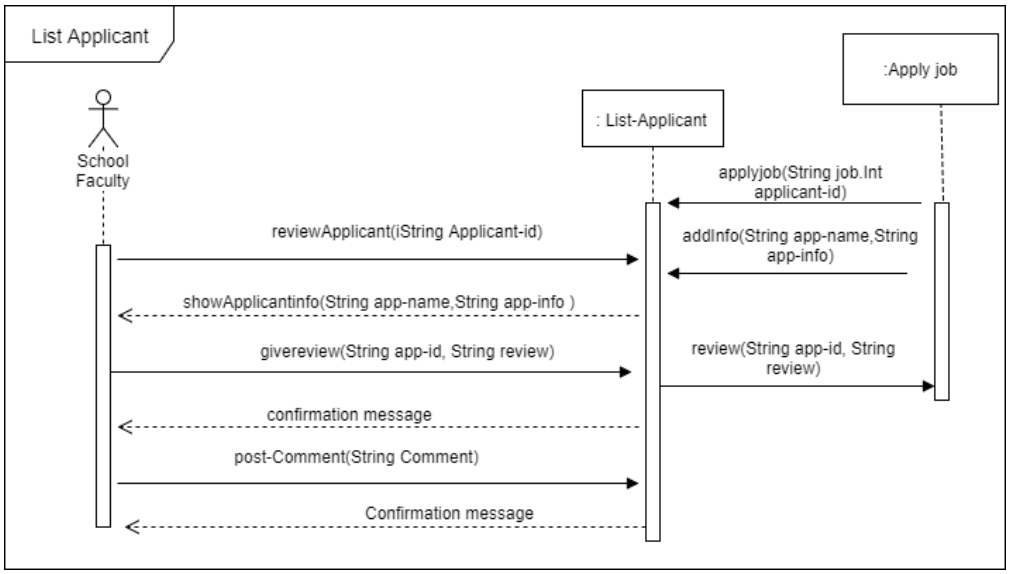

Fig-19: Sequence Diagram for List Applicant

2.8 Class Diagram

It describes the structure of a system by showing the system's classes, their attributes, operations (or methods), and the relationships among objects.

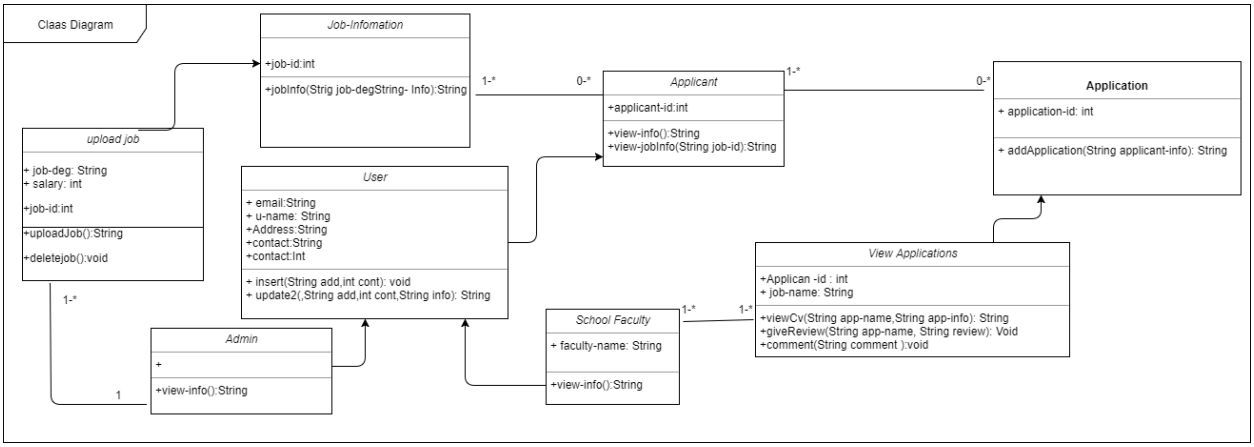

Fig-20: Class Diagram