



Tribhuvan University
Faculty of Humanities and Social Science

Student Feedback System

A Project Report

Submitted to

Department of Computer Application

Himalaya Darshan College, Biratnagar

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CHAPTER 1 : Introduction

1.1 Background

The student Feedback system is a management information system for education establishments to manage student data. It provide capabilities for selecting particular faculty and submit feedback of their respective faculty.

1.2 Problem Statement

- Difficult to manage large pile of records
- Lack of security
- Time consuming for searching a file for specific record

1.3 Objective

Major objective behind developing Student Feedback System :

- To develop web based application for recording feedback
- To provide security by providing authentication to the user.

1.4 Scope and Limitation

Scope

Our system is only concerned with management of feedbacks from the students of their respective faculties. The collection of record will be obvious, simple and sensible.

- It can be used in any organization that requires keeping feedback from their students.

Limitation

Our system is built just for recording feedback of students of their respective faculty in an organization. There is no any feature to print the feedback in PDF format. If necessary, we will update this feature in future.

1.6 Features

- Students can log in with valid email and password.
- Students can give feedback to their respective faculty.
- Admin can manage the information of the student.
- Admin can add questions and view feedback.

CHAPTER 2 : Background Study and Literature Review

2.1 Background Study

Previously, the feedback in an educational organization was recorded with the help of pen and paper or with through face to face interaction which consume lots of time and effort. Currently, there are some few system existed now i.e PiHappiness which is used to create surveys and capture student satisfaction[1] and Kahoot which is used to deliver quizzes to the students[2]. Our system is solely focused on recording the feedback of the student in an educational organization. It provides capabilities for selecting a particular faculty for feedback and store in the database.

2.2 Literature Review

There are many Student Feedback System project conducted previously by many researchers. However most of them are outdated or involve manual system. Some of the previous researches are:

Student Feedback System by G. BHANUKIRAN

This research was conducted on 2008. According to the literature, the main goal of the system is to generate the reports for the faculty on the basis of given feedback by the students. The staff will be provided with separate usernames and password in order to check the results. There are mainly three modules in this application.[3]

The modules of this app are as follows:

- Admin module
- Faculty module
- Student module

Student Rating Feedback to improve college teaching by Peter A. Cohen

This research was conducted on 1981 and cited by 8. According to the literature, The purpose of this paper is to provide a rationale for the use of a well known, but often overlooked faculty development activity which combines low personal involvement with the potential for improving teacher effectiveness. A successful course evaluation system should have an impact on both college faculty and students in their classes. With regard to the general faculty, three outcomes might be anticipated. The success of a feedback system might also be evidenced by student outcomes. A most important outcome, and one that is often overlooked in this area, is how the feedback system would affect student learning.[4]

CHAPTER 3 : System Analysis and Design

3.1 System Analysis

System analysis is a process of gathering and interpreting facts, diagnosing problems and the information about the Student Feedback System to recommend improvements on the system. It is a problem solving activity that requires intensive communication between the system users and system developers.

3.1.1 Requirement Analysis

A requirement is a singular documented physical or functional need that a particular design, product or process aims to satisfy. There are two types of requirement:

- **Functional Requirements**
- **Non-functional Requirements**

I. Functional Requirements

The functional requirements are the requirements that describe what the system does i.e the functioning or behaviour of the system. The functional requirements of the Student Feedback System are:

- There will be login and sign up for students.
- The system allows the students to access the system with valid ID and password.
- Admin can add questions to get feedback from the students.

II. Non-functional Requirements

It defines the criteria according to which the system must work. The requirements that are not covered by functional requirement are covered by non-functional requirements. It includes following requirement:

- **Security**

User will only be able to access the system using authorized username and password.
Only the authorized user can change their profile content and password.

- **Usability**

The system is very simple to use and is easy to understand. It is user friendly.

- **Performance**

It handles and supports multiple users at a time.

- **Availability**

It will be available to all the registered students.

3.1.2 Feasibility Study

I. Technical Feasibility

HTML, Javascript, CSS and PHP is used for system's development and is sufficient to build as per requirements. It requires database to store feedback received from the students. This system doesn't require much training and will have simple GUI.

II. Economical Feasibility

This system will reduce human efforts since it is computarized system and hence no extra satff is required. So, the system will be economically feasible.

III. Operational Feasibility

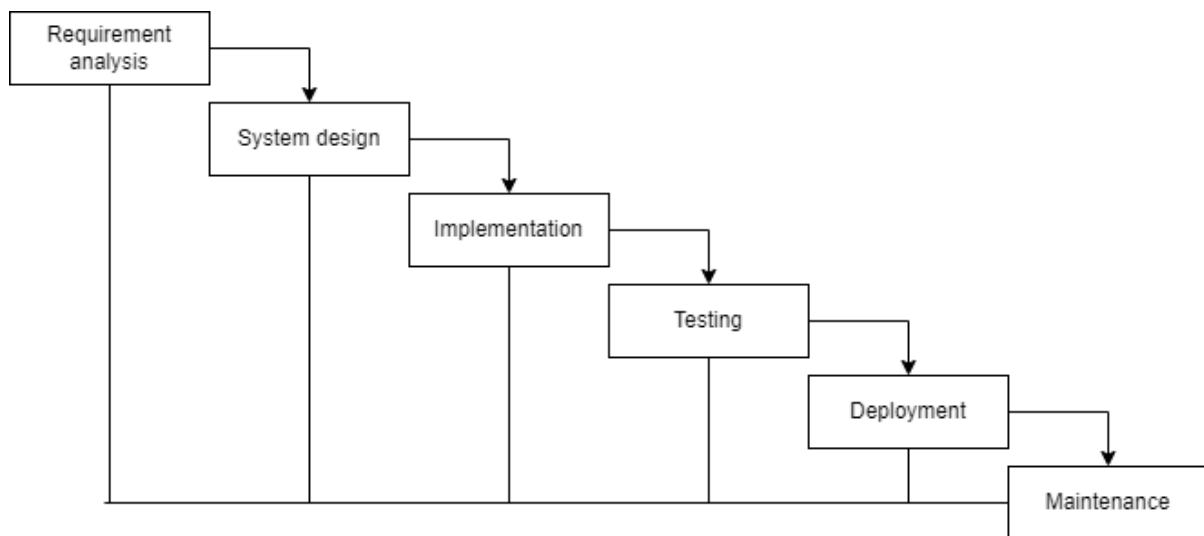
The proposed system will provide consistent and integrated data management. It reduces efforts of employee and will be simple and easy to use making the system operationally feasible.

IV. Legal Feasibility

A system is said to be legally feasible if it can be implemented within existing legal/contractual obligations, copyrights, financial reporting requirements, ownership, outsourcing arrangements, etc. This system is legally feasible. This system assures that the information obtained from users will be kept secret to maintain the confidentiality

3.1.3 Implementation Method

Waterfall Method



In this model, the life cycle is divided into phases where one phase can be started only after the completion of the previous phase. We choose this model as waterfall model is suitable for small type of project and it is simple to understand and use.

- **Requirement Analysis**

In this phase, all the possible requirements of the system to be developed are captured and documented.

- **System Design**

In this phase, the requirement specification are studied and the system is designed. It helps in specifying hardware and system requirements.

- **Implementation**

With inputs from the system design, the system is developed into a small programs called units, which are integrated into the next phase.

- **Testing**

All the units developed are tested for any error and faults and then integrated into a system.

- **Deployment**

After all the testing is done, the product is deployed into the market.

- **Maintenance**

After deployment, there may arise issues in the system. To fix this, maintenance is done to bring changes in the product.

3.1.4 Use Case Diagram

Student Feedback System

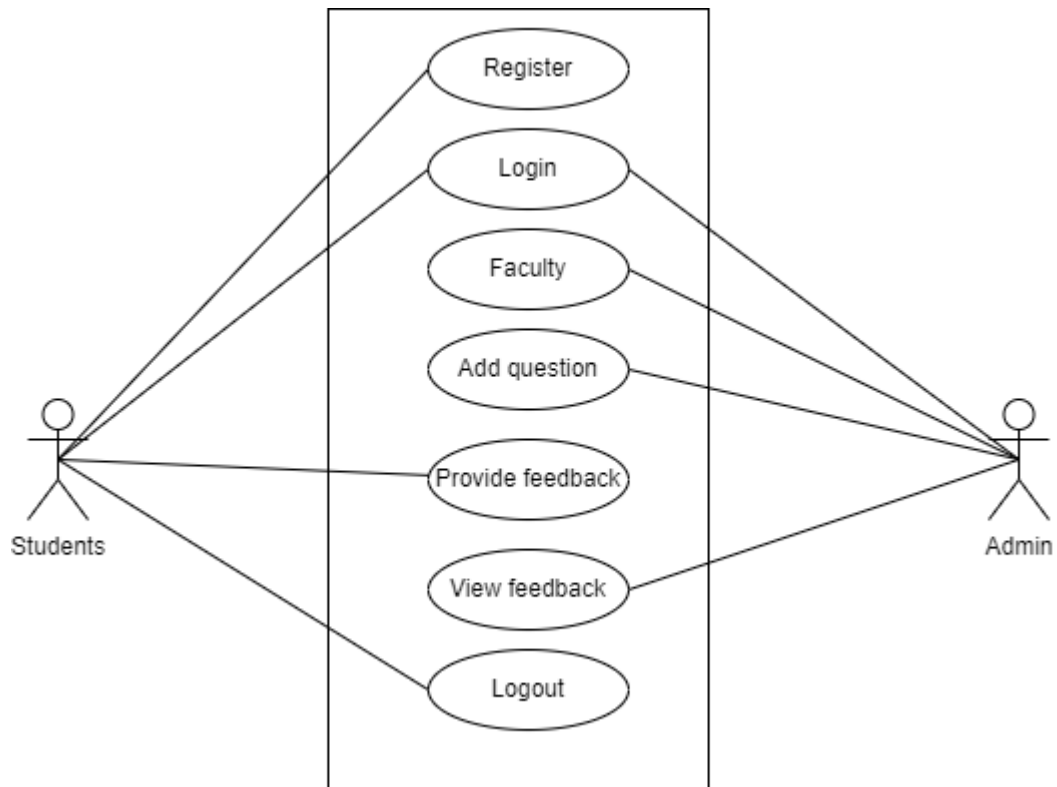


Fig: Use case diagram

3.1.5 Data Modeling

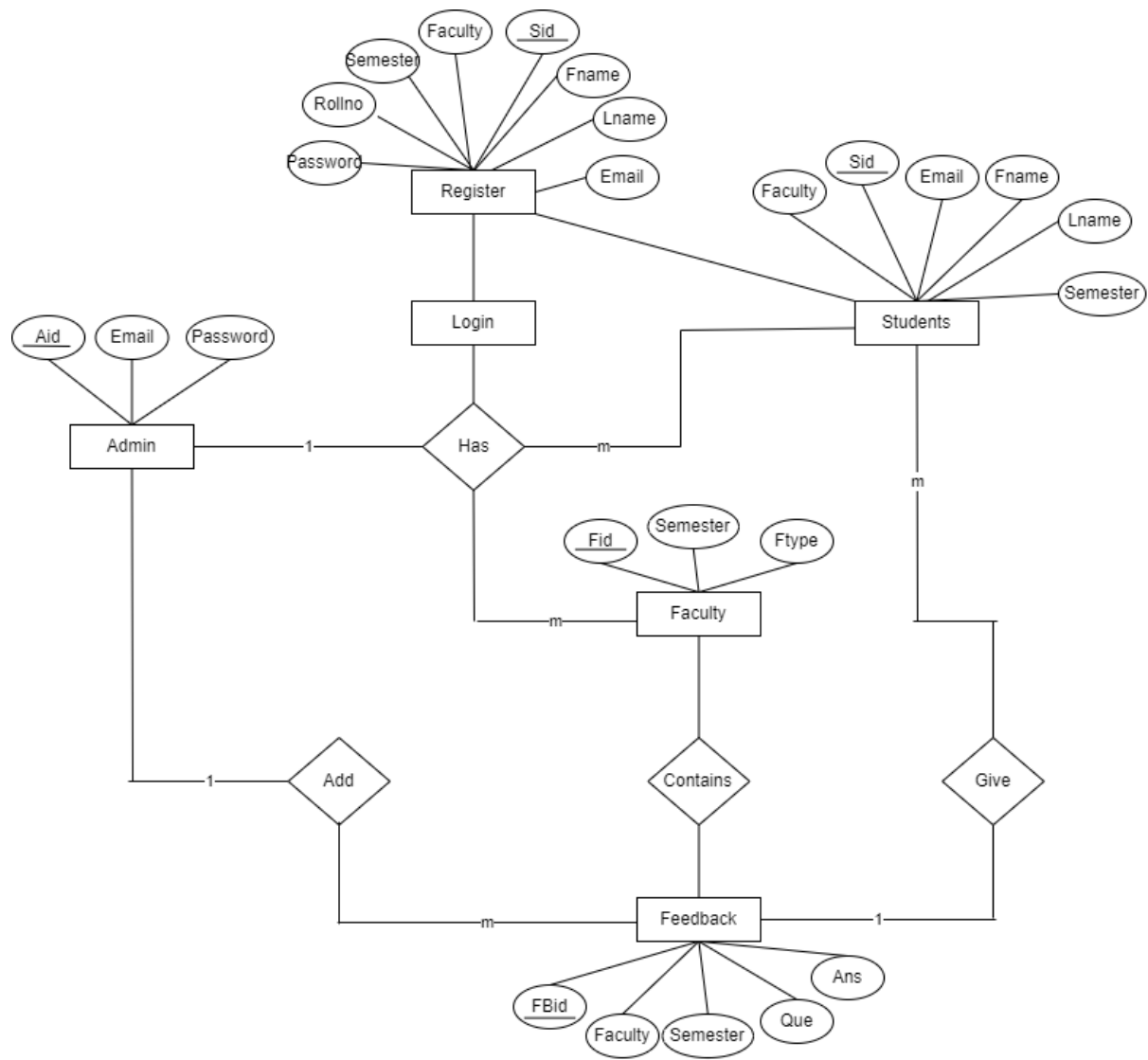


Fig: ER- Diagram

3.1.6 Process Modeling

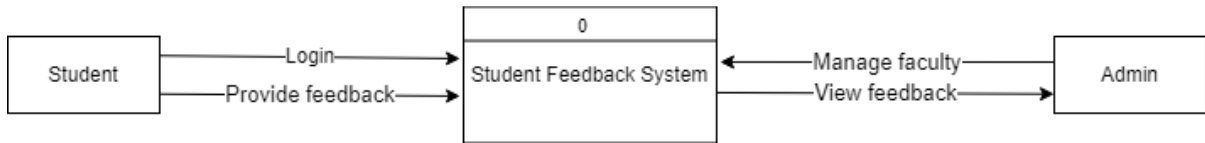


Fig: Zero level DFD

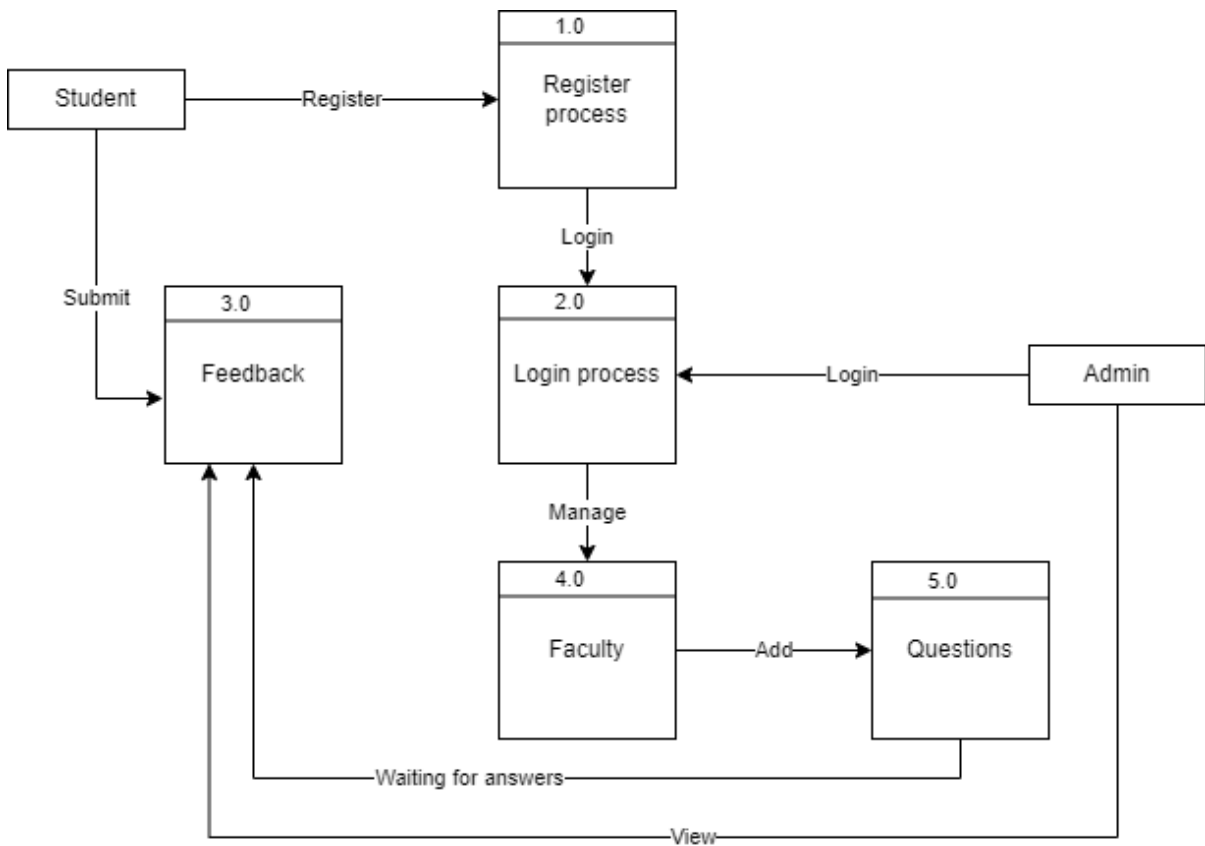


Fig: 1 Level DFD

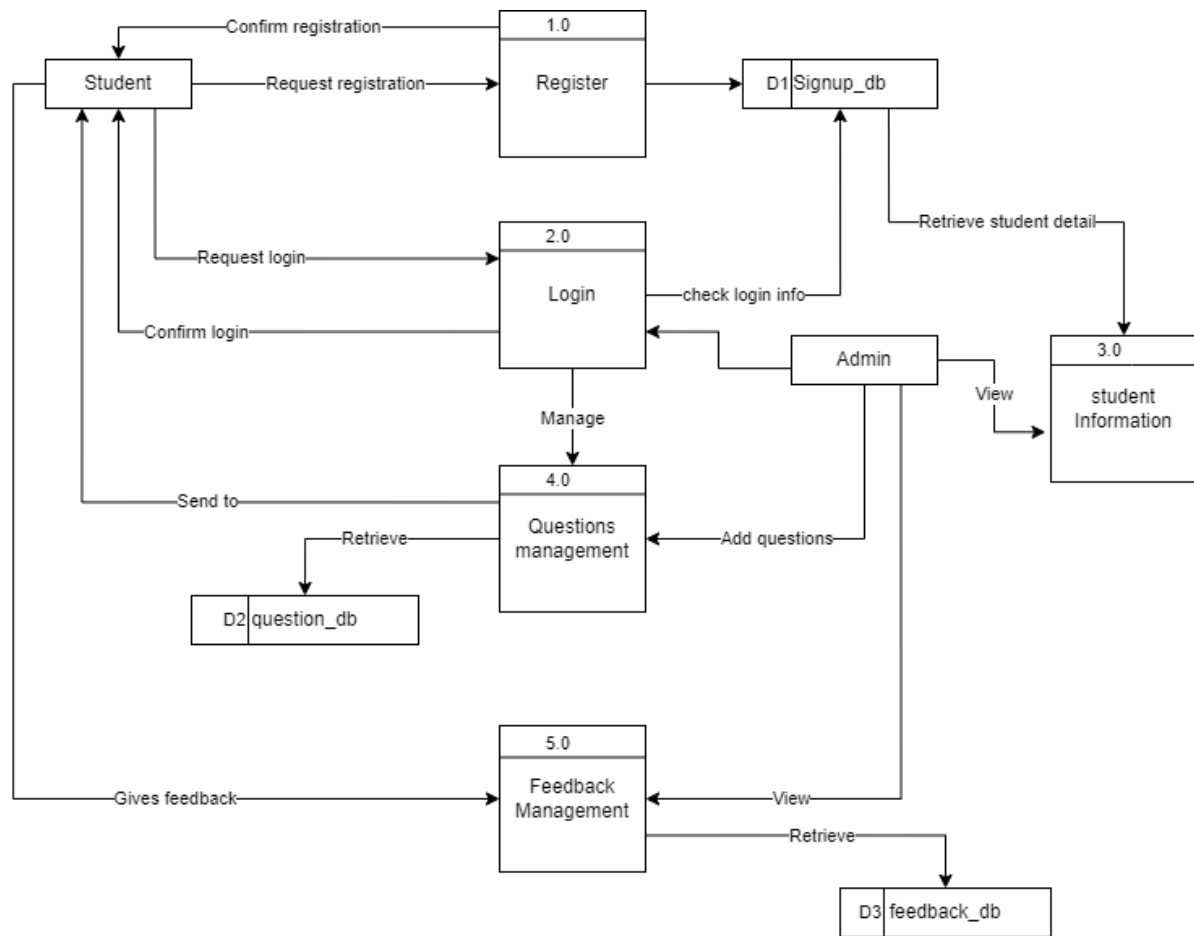


Fig: 2 Level DFD

3.2 System Design

3.2.1 Sequence Diagram

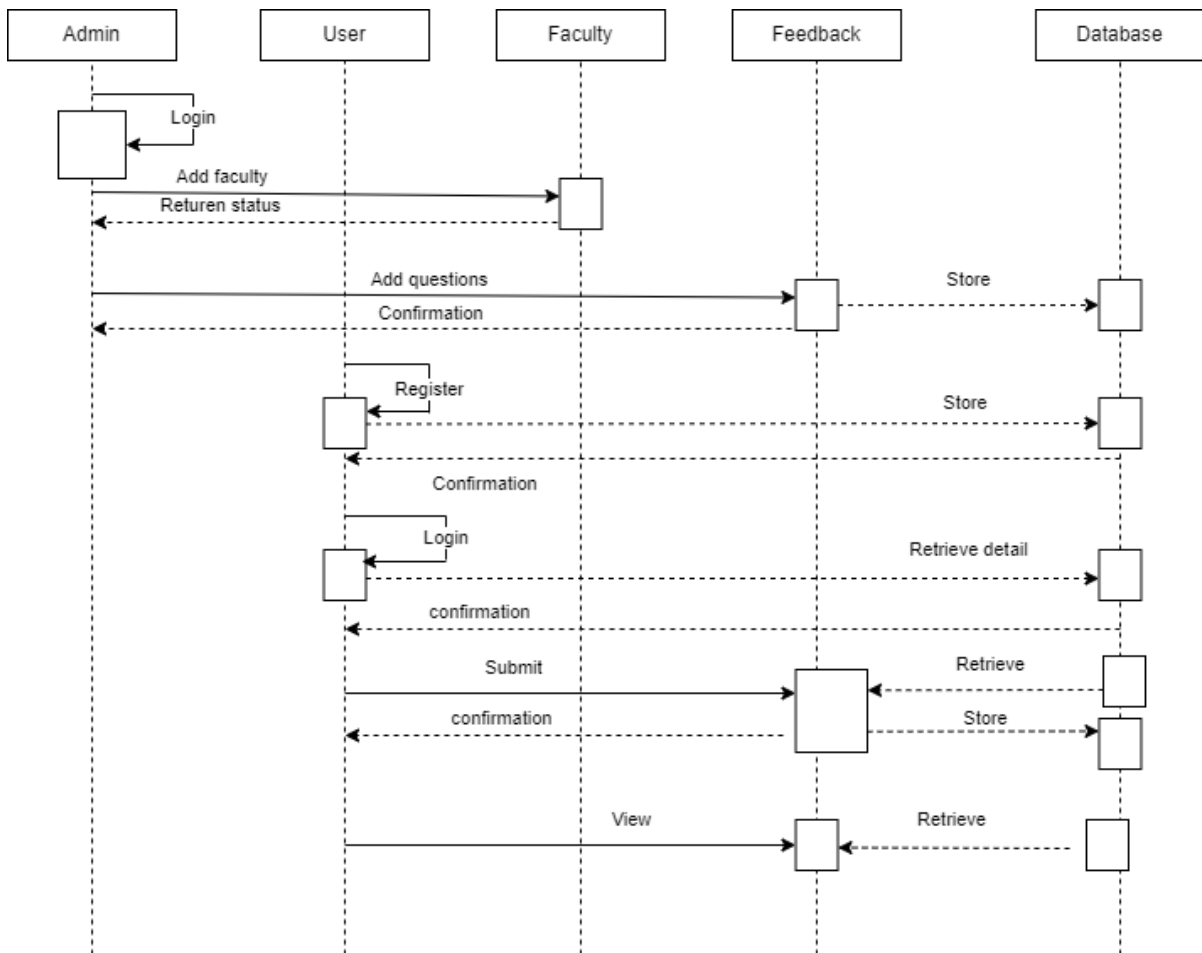


Fig: Sequence Diagram

3.3 Future Enhancements

Till now, our system is developed to record the feedback of the students of their respective faculty and it is only based for educational institutions. But in future, to enhance our project we can add changes to meet the demands of our customers.

- We can add a feature to print records of feedback in a PDF format.
- We can use QR code to directly log in to the system.

4. Conclusion

The project is developed to record the feedback of the students of their respective faculties. The students will easily select their faculty and submit their feedback to the administration. The administration can view and record the feedback for future reference.