


# <Online Admission System for VU of Pakistan>

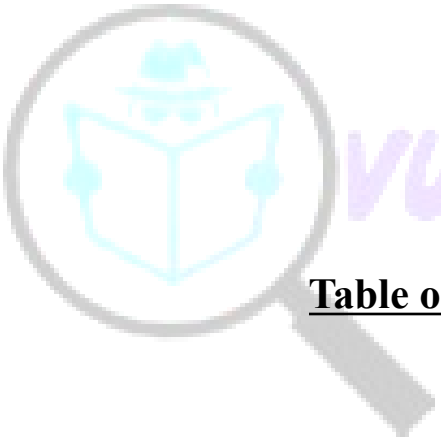
## Design Document

**Version 1.0**

**Group Id: <F1702359E1>**
**Supervisor Name :<**Mukaram Shah**>**

# Revision History

| Date (dd/mm/yyyy) | Version | Description | Author |
|---|---|---|---|
| 27/12/2017 | 1.0 | This system will be to enable students to apply from anywhere. It will overcome multiple barriers which irritates students whether male/female or disabled person, like personally going to apply in any case, standing in row waiting for his/her turn in hard weather conditions etc. | MC160403912 |




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## 1. Introduction of Design Document

This document is designed to see what is to be built at its origin levels in order to give a software expansion team an overall guidance of the architecture of the software project. This phase surround

- Entity Relationship Diagram (ERD)
- Sequence Diagrams
- Architecture Design Diagram
- Class Diagram
- Database Design
- Interface Design
- Test Cases

**Entity Relationship Diagram:**

Entity Relationship Diagram is a data model for describing a database in an abstract model. It contains entities and their relationships. An entity may be defined as a thing which is recognized as being capable of an independent existence and which can be uniquely identified.

**Sequence Diagram**

Sequence Diagram is an interaction diagram that shows how processes operate with each other.

**Architecture Design Diagram**:

Architecture Design Diagramused to represent data in the form of layers. It contains three layers' data link layer, application layer and business layer.

**Class Diagram:**

In Class diagram we will describe the structure of Online Support System by showing the system's classes, show their attributes, operations or methods and relationships between classes or objects. In a class diagram classes represent both the main objects and interactions.

**Database Design:**

Database Design is a process of producing a detailed data model of a database. It can be taken as the logical design of the base data structures to store the data

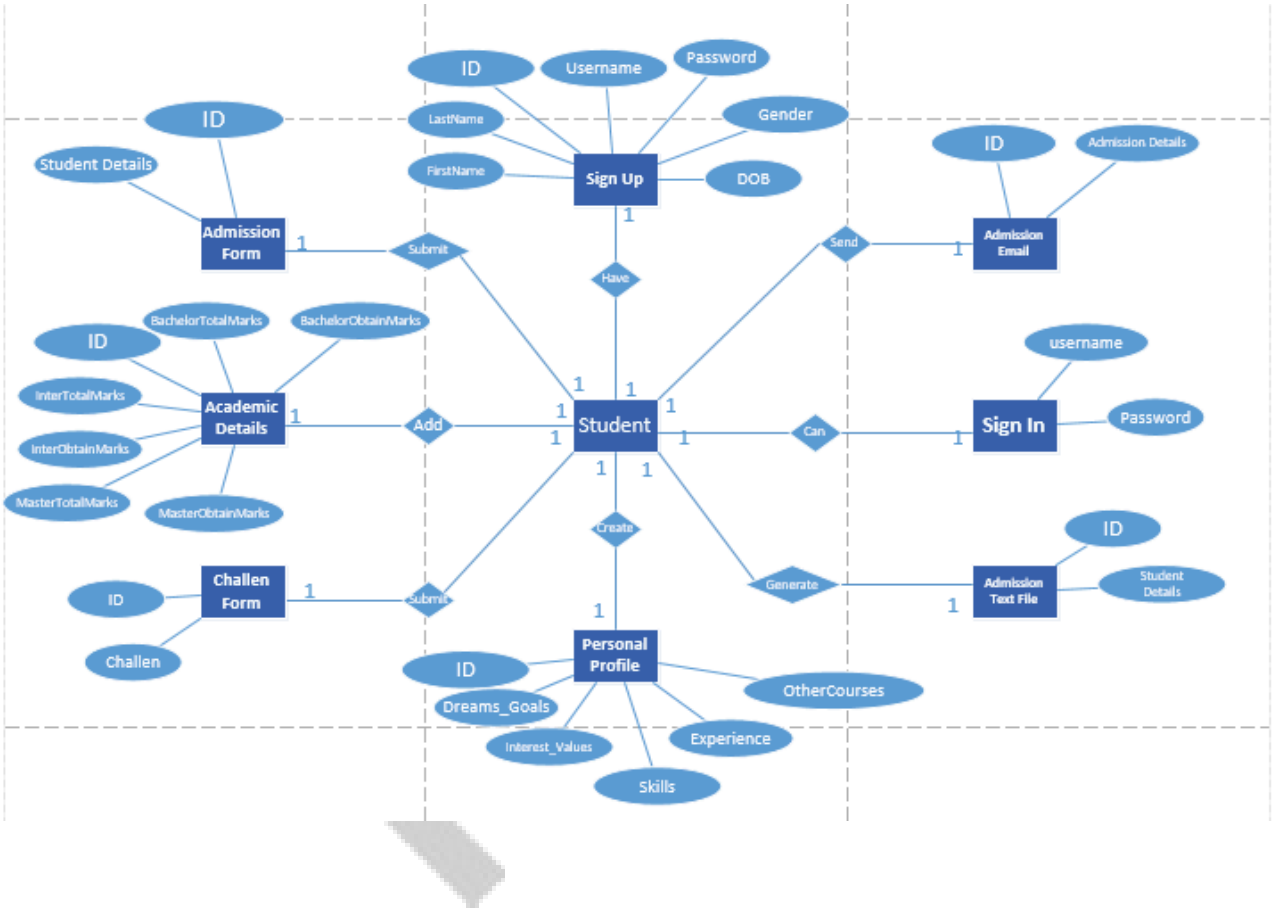
**Interface Design:**

Interface Designis a GUI view of main software. It shows how our Software Application will look like and how we interference with the System.

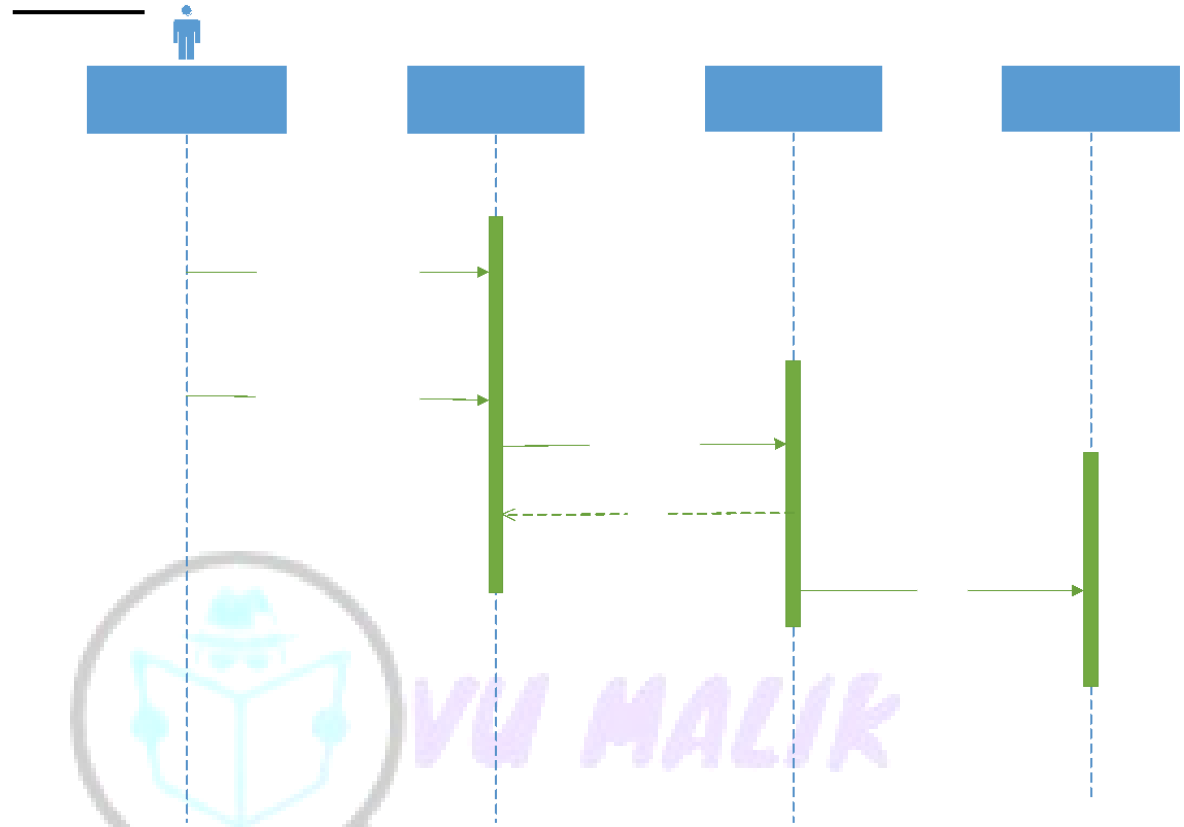
**Test cases:**

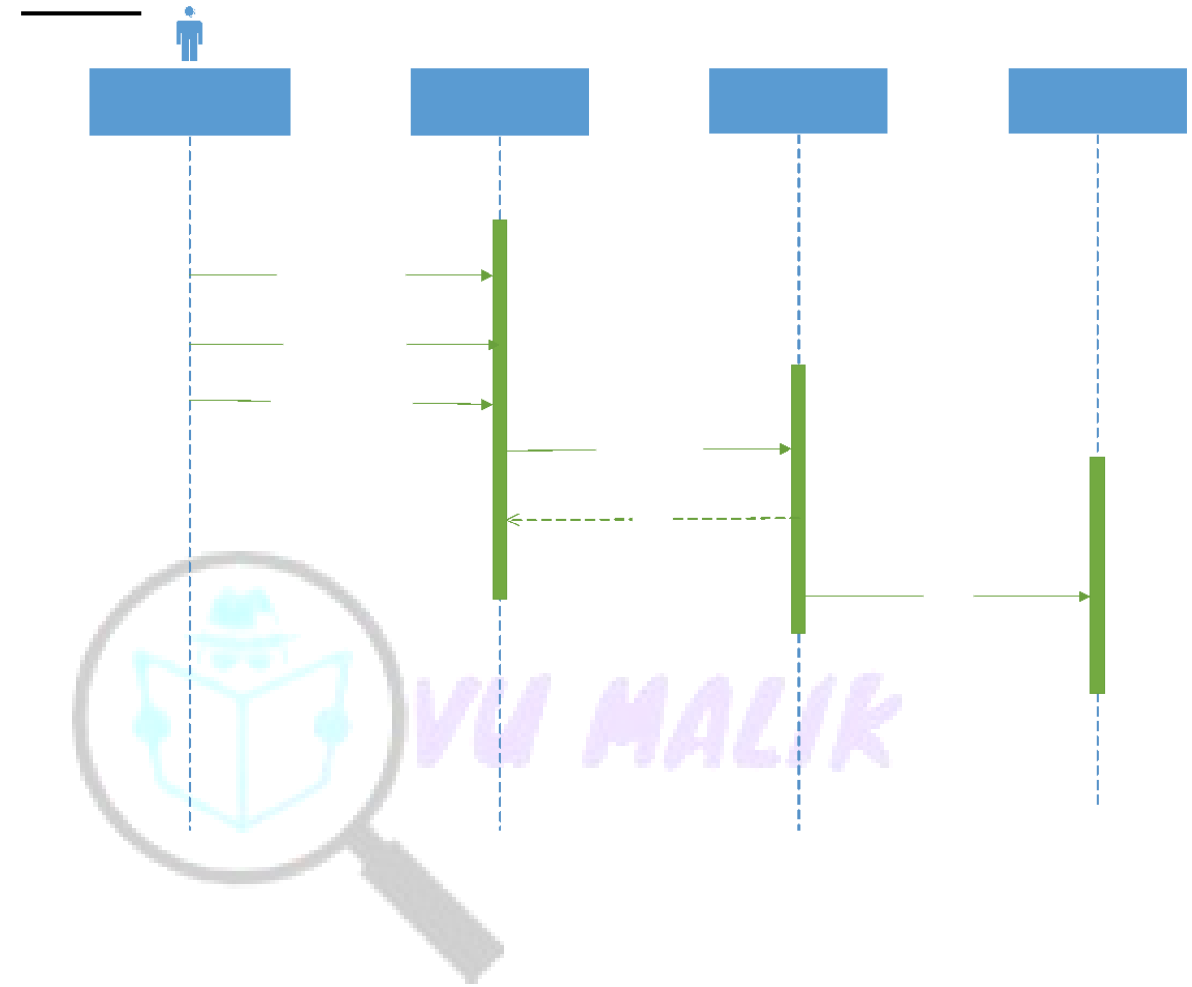
In the test cases for the Online Support System are also given. A test case in software engineering is a set of conditions or variables under which a tester will determine whether an application or software system is working correctly or not.

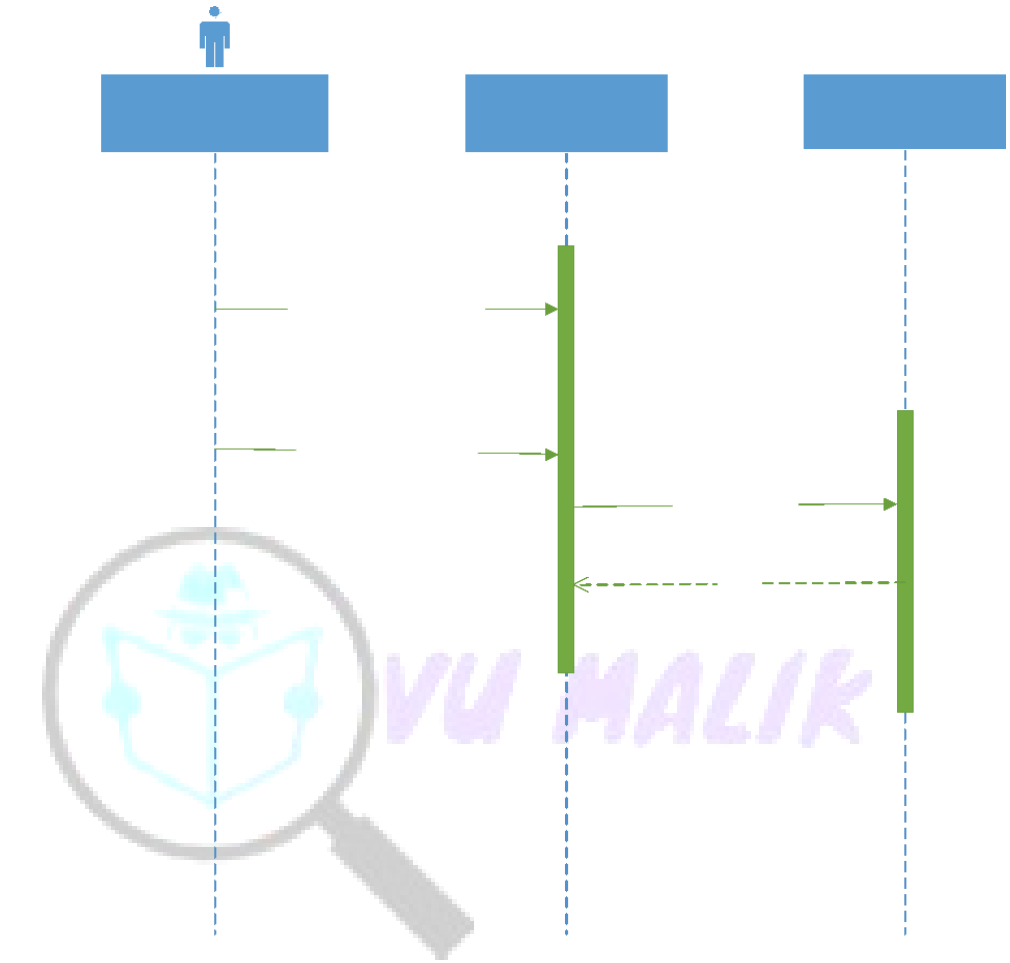
**2.** Entity Relationship Diagram

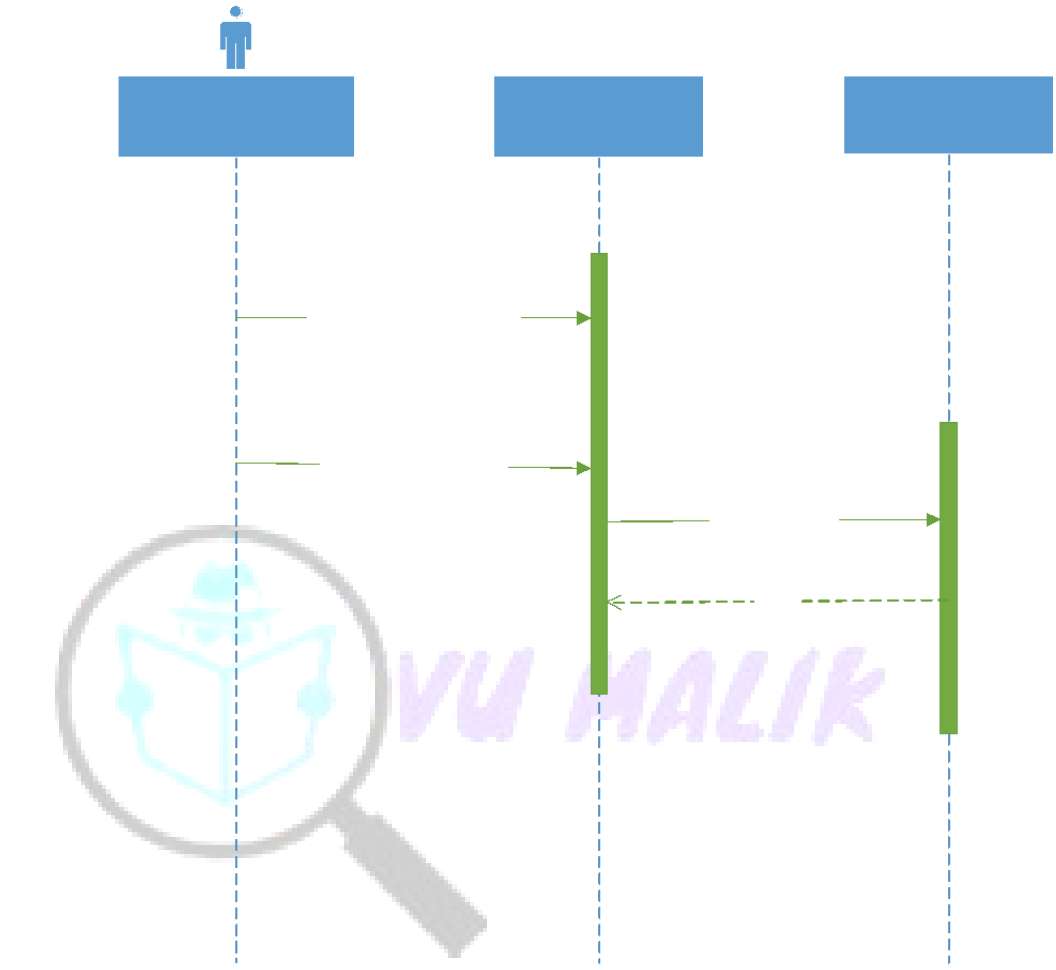


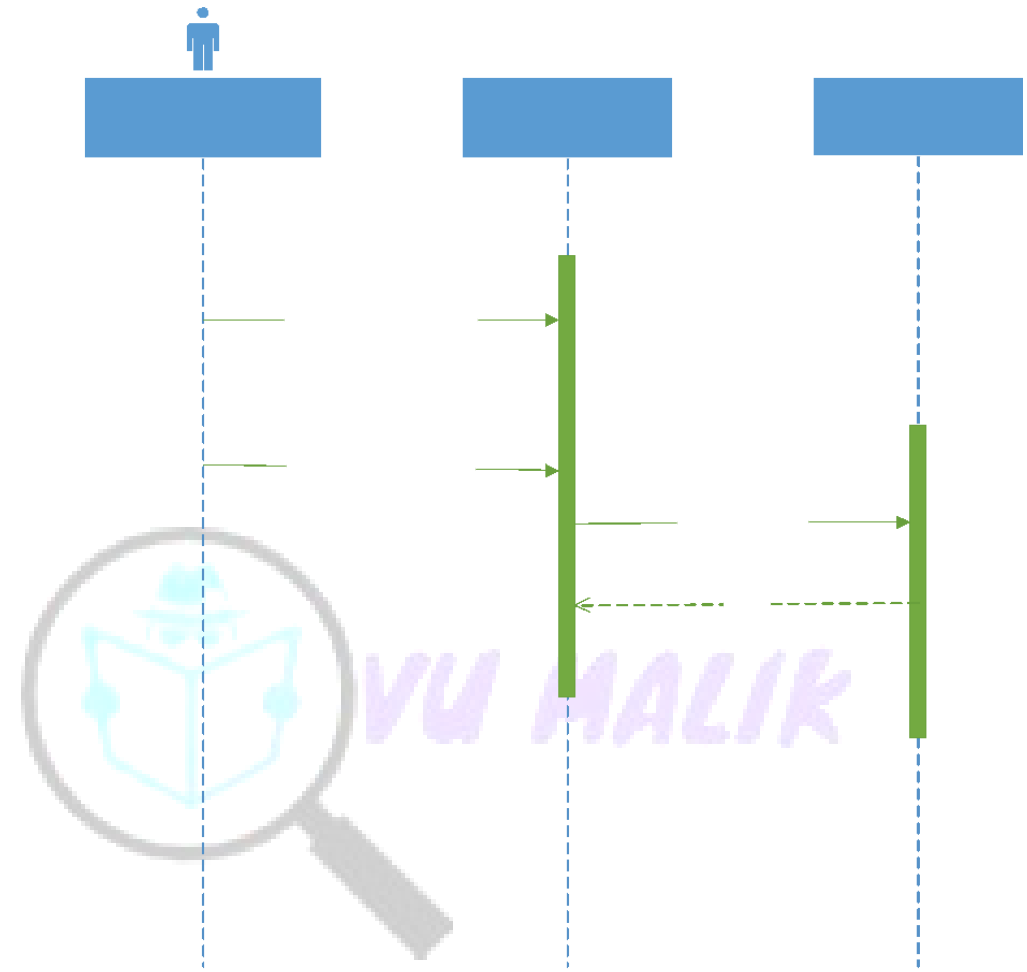

**3.** Sequence Diagrams(To be developed using Rational Rose or any other drawing software of your choice)

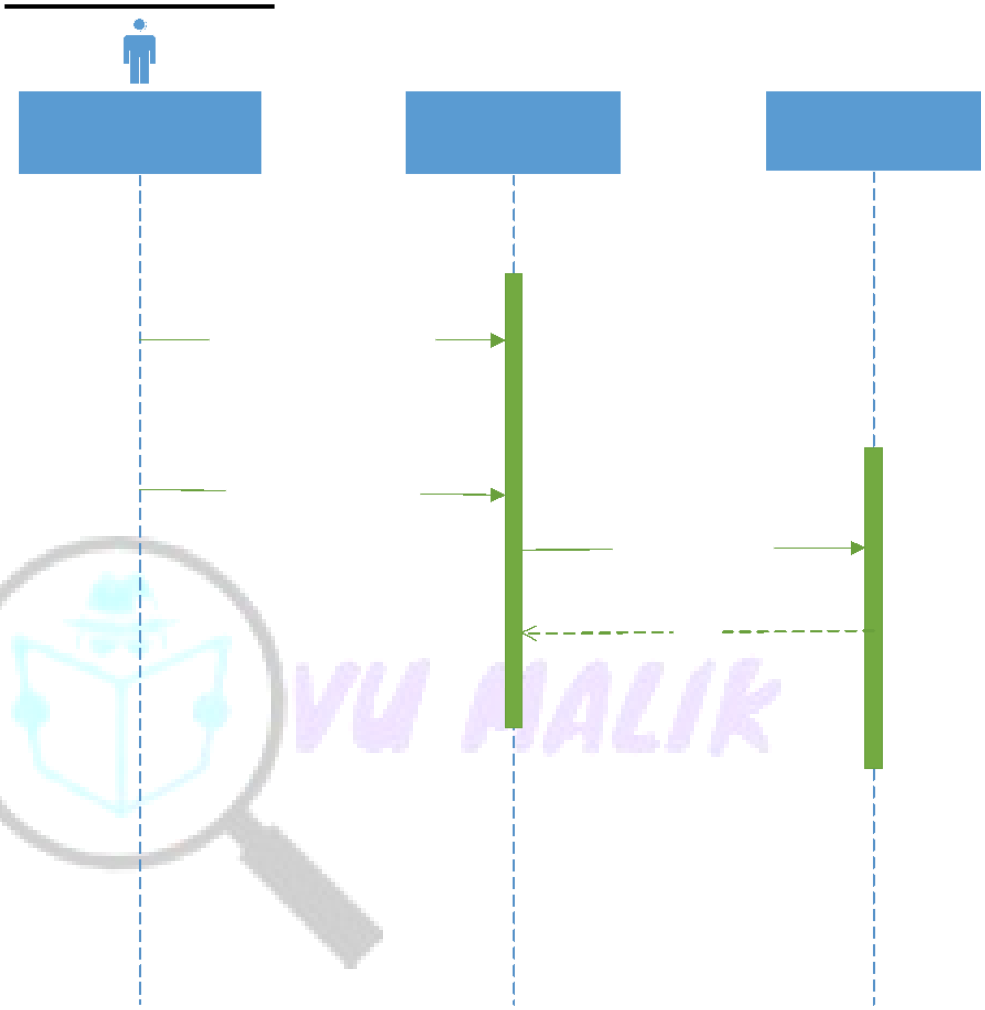


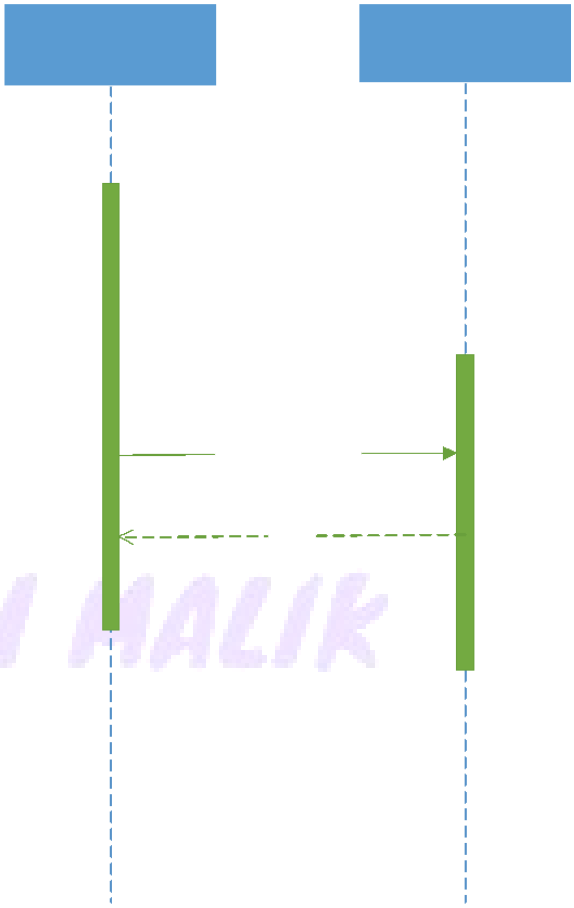




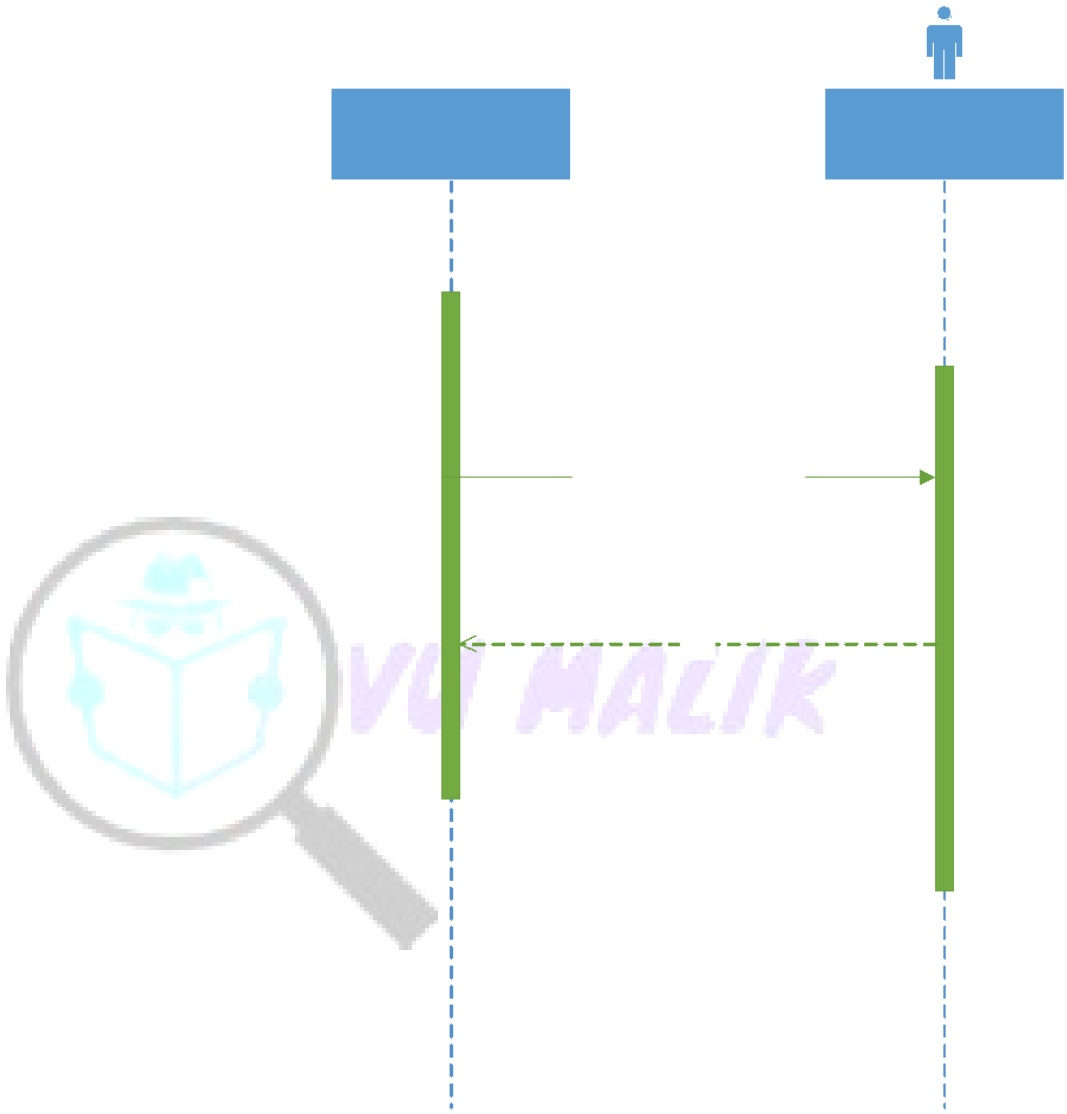




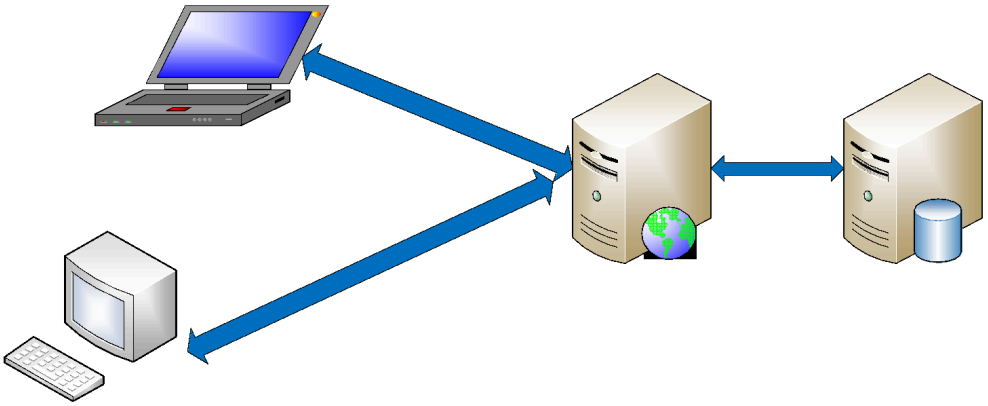




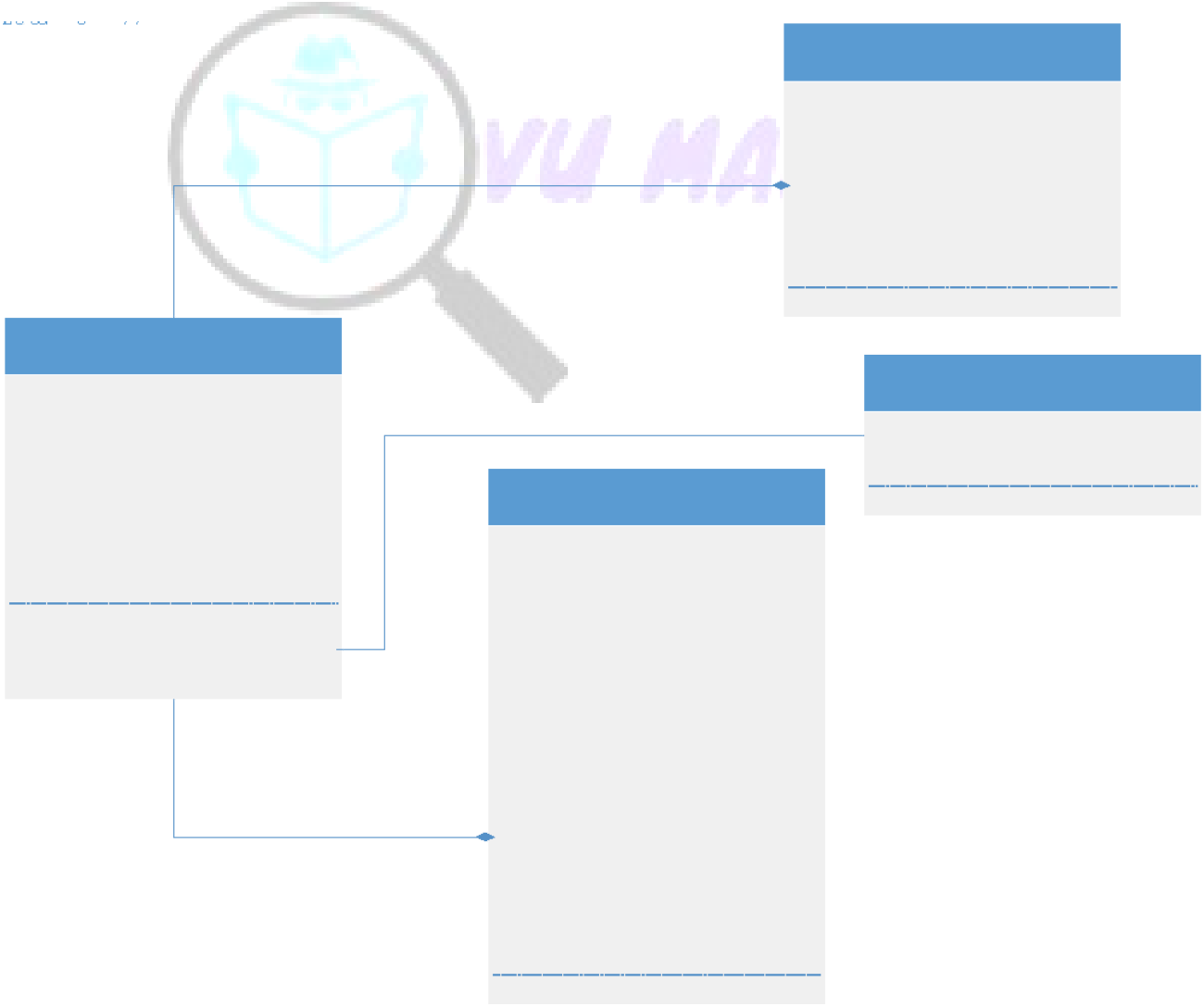
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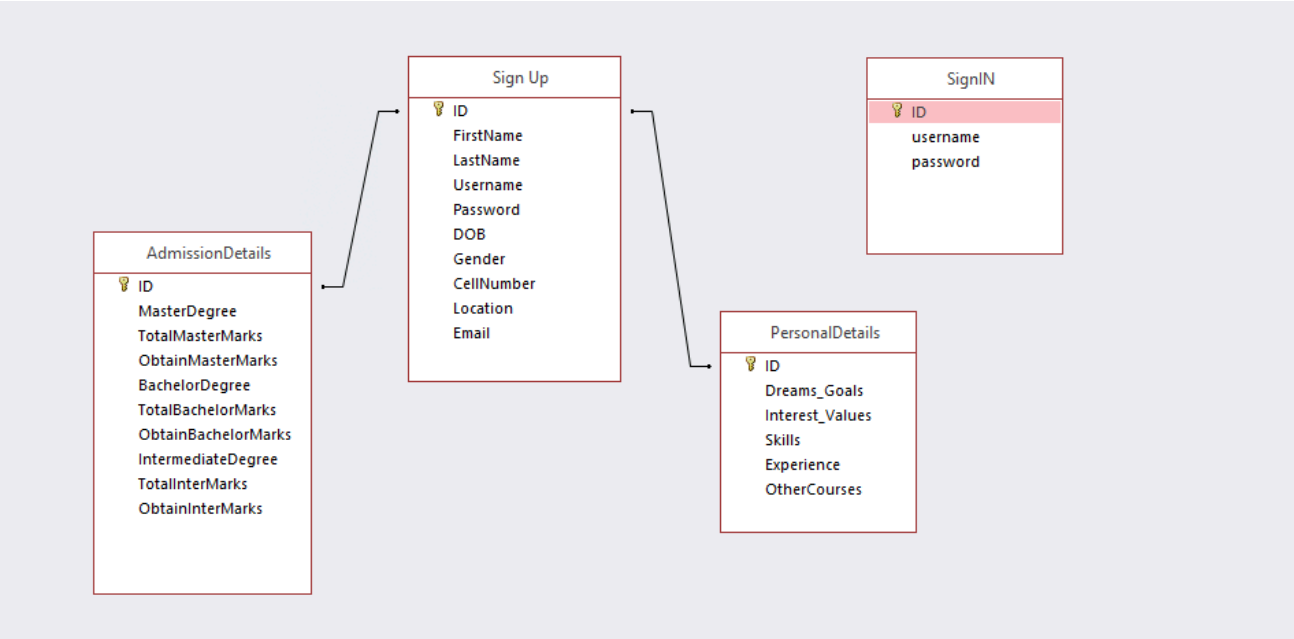
4. Architecture Design Diagram



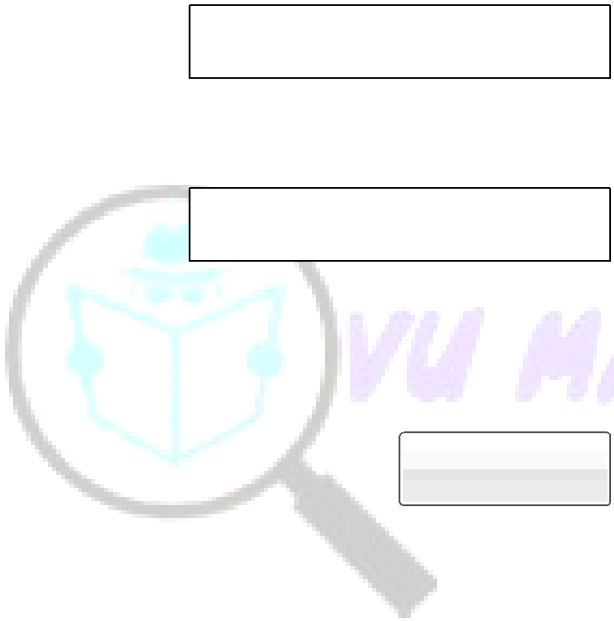
## 5. Class Diagram



## 6. Database Design




## 7. Interface Design







## 8. Test Cases

| Test Case Id | 1 |
|---|---|
| **Test Case Title** | Login |
| **Pre-condition** | User must be registered. |
| **Actions** | Welcome to the login page.<br><br>Required fields are Email ID, Name and Password.<br><br>Validation fields are Email and Password.<br><br>Press Login Button. |
| **Expected Result** | Users go to their relevant User Home page. |
| **Tested By:** | MC160403912 |

| Test Case Id | 2 |
|---|---|
| **Test Case Title** | Sign Up |
| **Pre-condition** | Student Wants to take admission |
| **Actions** | 1) Student Open the Application<br>2) Enter the user name and password<br>3) Enter gender, full name, cell number, CNIC and other details in sign up form<br>4) Click the Sign-Up button<br>Student Registered Successfully |
| **Expected Result** | Student Registered Successfully and go to Sign In Page |
| **Tested By:** | MC160403912 |

| Test Case Id | 3 |
|---|---|
| **Test Case Title** | **Create Personal Profile** |
| **Pre-condition** | Student login to the application |
| **Actions** | 1) After login student enter his/her personal details<br>2) Enter goals and dreams<br>3) Enter experience<br>4) Enter skills<br>5) Enter other experiences<br>Profile created successfully |
| **Expected Result** | Student Personal Profile Add to the Database |
| **Tested By:** | MC160403912 |

| Test Case Id | 4 |
|---|---|
| **Test Case Title** | **Enter Academic Details** |
| **Pre-condition** | Student login to the application |
| **Actions** | 1) Student enter his/her academic details<br>Academic details add to the admission database successfully |
| **Expected Result** | Student create his/her personal profile |
| **Tested By:** | MC160403912 |

| Test Case Id | 5 |
| --- | --- |
| **Test Case Title** | **Submit Form** |
| **Pre-condition** | Student login to the application |
| **Actions** | 1) Student enter his/her all academic and personal details<br>2) After entering all details student click the submit button<br>Student admission form along with his/her all details is submitted successfully |
| **Expected Result** | Student Admission Form Submitted Successfully |
| **Tested By:** | MC160403912 |