EDUSYS

(Admin & Teachers portal)

Submitted By

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Declaration

I hereby declare that I have taken this project under the supervision of **Md. Shohel Arman, Lecturer, Department of Software Engineering, Daffodil International University.** I also declare that neither this project nor any part of this has been submitted elsewhere for award of any degree.

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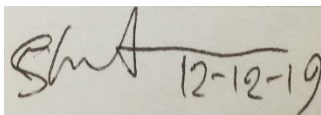
Batch: 17th

Department of Software Engineering

Faculty of Science & Information Technology

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Md. Shohel Arman

Senior Lecturer

Department of Software Engineering

Daffodil International University

Acknowledgement

At first, I am grateful to the Almighty Allah for making me eligible to complete this project. Then I would like to thank my supervisor **Md. Shohel Arman, Lecturer**, Department of Software Engineering. I am extremely grateful and indebted to her for his expert, sincere and valuable guidance and encouragement extended to me.

Beside my supervisor, I would like to express my sincere thanks to **Dr. Touhid Bhuiyan**, Professor and Head of Software Engineering Department for his constant encouragement.

I would like to thank those who helped me in my project by their very important suggestions without their passionate participation and input; the project could not be successfully conducted. I take this opportunity to record my sincere thanks to all the faculty members of the Department of Software Engineering for their help and encouragement.

Last but not least, I would like to thank my parents for their unconditional support, love and without this we would not have come this far.

Abstract

Many of education organizations try to increase education quality. One of the aspects of this improvement is managing of school resources.

Education Management System carried on by any individual or institution engaged in providing a services to students, teachers, guardians and other persons are intermediary that performs one or more of the following functionalities – Student Admission, Employee Registration, Student List, Employee List, Student Attendance, Employee Attendance, Student Routine, Result Management, Payroll & Accounts.

Education Management System (EMS) is such a service which provides all services for an educational institute to make your life easier and faster by assuring its performance. Easy User Management System, Easy Admission Process, Easy Attendance System.

EMS is a system that will provide you a bird's eye view of the functioning of the entire educational institution. It is a management information system helps to manage the different processes in an educational institution like General Administration, Staff Management, Academics, Student Management, and Accounts etc. The information is made using the latest technologies and help's to make decision making a lot faster, effective and easier than ever before. Also helps to improve the overall quality of education of the institution.

Table of content

Chapter 5

1.Introduction

Now a day's education management system plays a great role in world wide. EDUSYS is a system where admin can create student, teacher and employee. And teacher can easily take attendance of the students. Students also can login to the system and watch their result and routine.

1.1 Scope of this project

The area where we can use this project as:

- Any Educational Institution

1.2 Focusing of the Project

In this project, we try to build up sound software which can operate any challenging situation in the modern time. Administrator and users information are making effective decisions. The decisions are more accurate, relevant and timely the information stored or process is more effective.

1.3 Features of the Project

The features of the projects are:

- Easy to use.

Chapter 2
Platform Introduction

2.1   Development Features

We use Python (Django framework) and sqlite3 database

2.2   Python Features

- Python is a simple, easy, object oriented programming language.
- Django includes a rich class and library
- We can develop web application using Django

2.3   Database Platform

A database is a collection of data. We use sqlite3 database .this is default Django database. Where we can store a millions of data.

2.4   Software Requirements

- Microsoft windows XP/ Windows 7/ Windows Vista/ Windows 8/ Windows 10/ Windows Server 2003, 2008, 2012.
- Visual Studio 2012 should be installed.
- Django framework should be installed,

2.5   Language USED

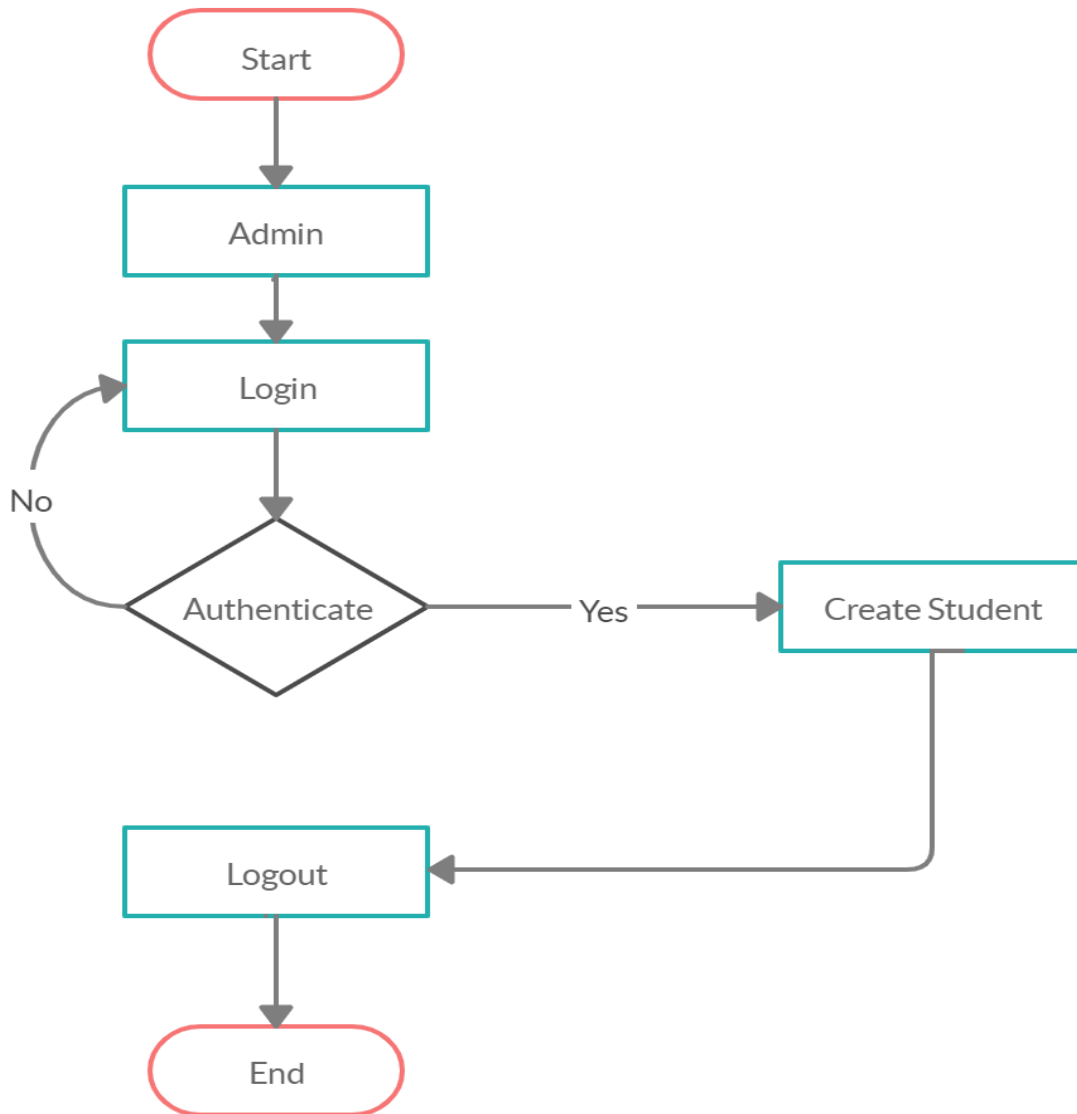- Python in front end
- Django framework
- Sqlite3 database

3
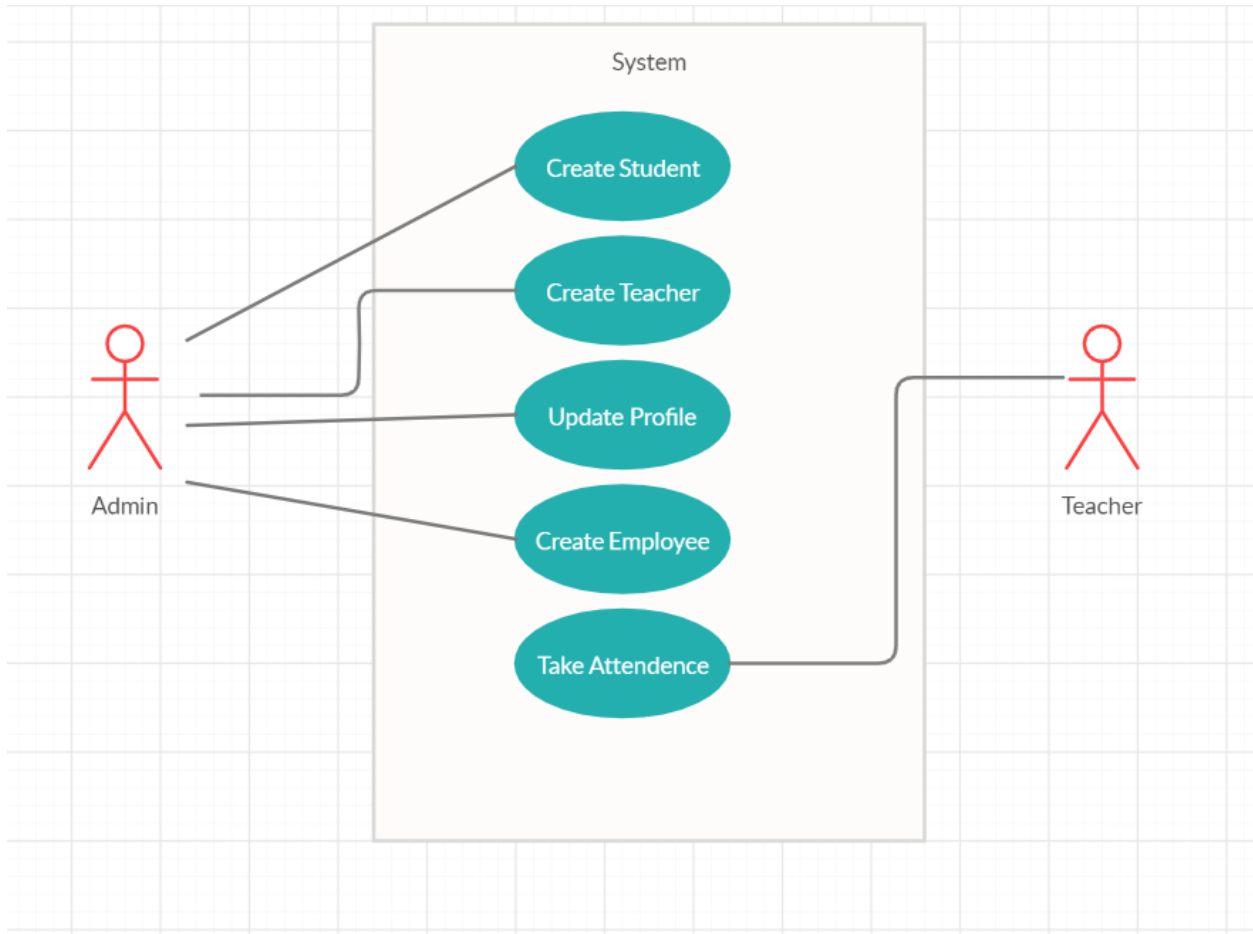
Use case:
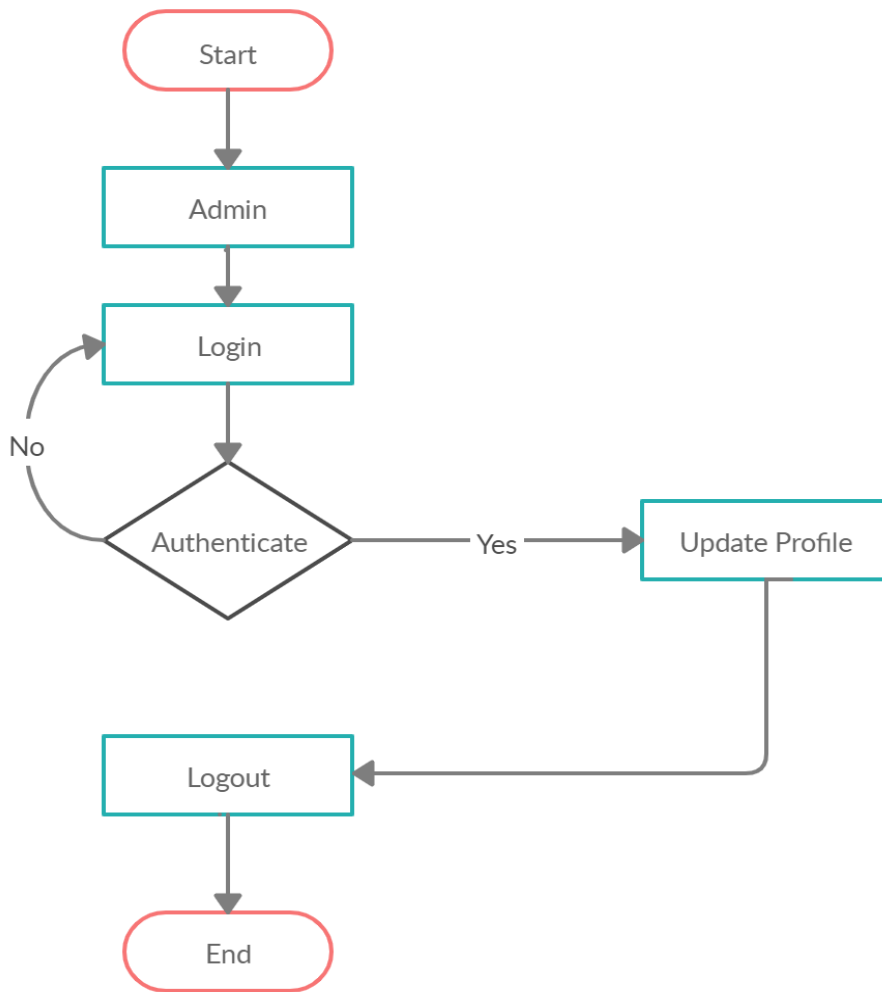
Usecase for Admin:
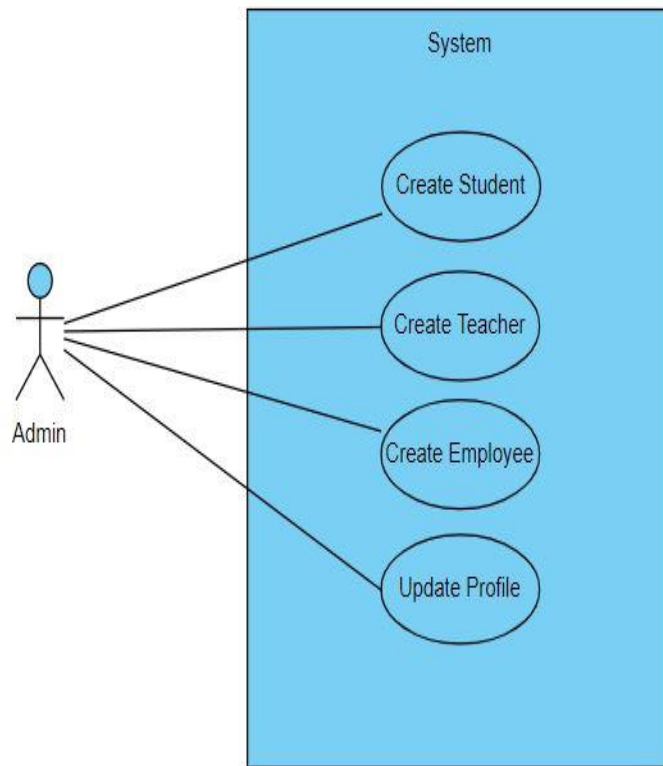
Activity Diagram:
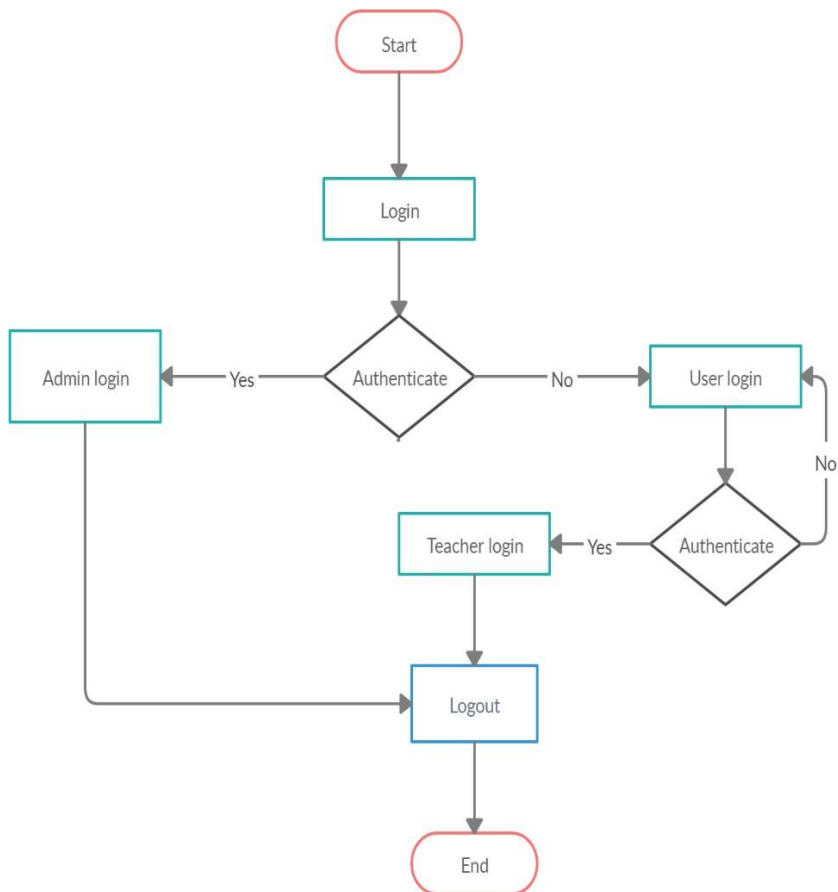
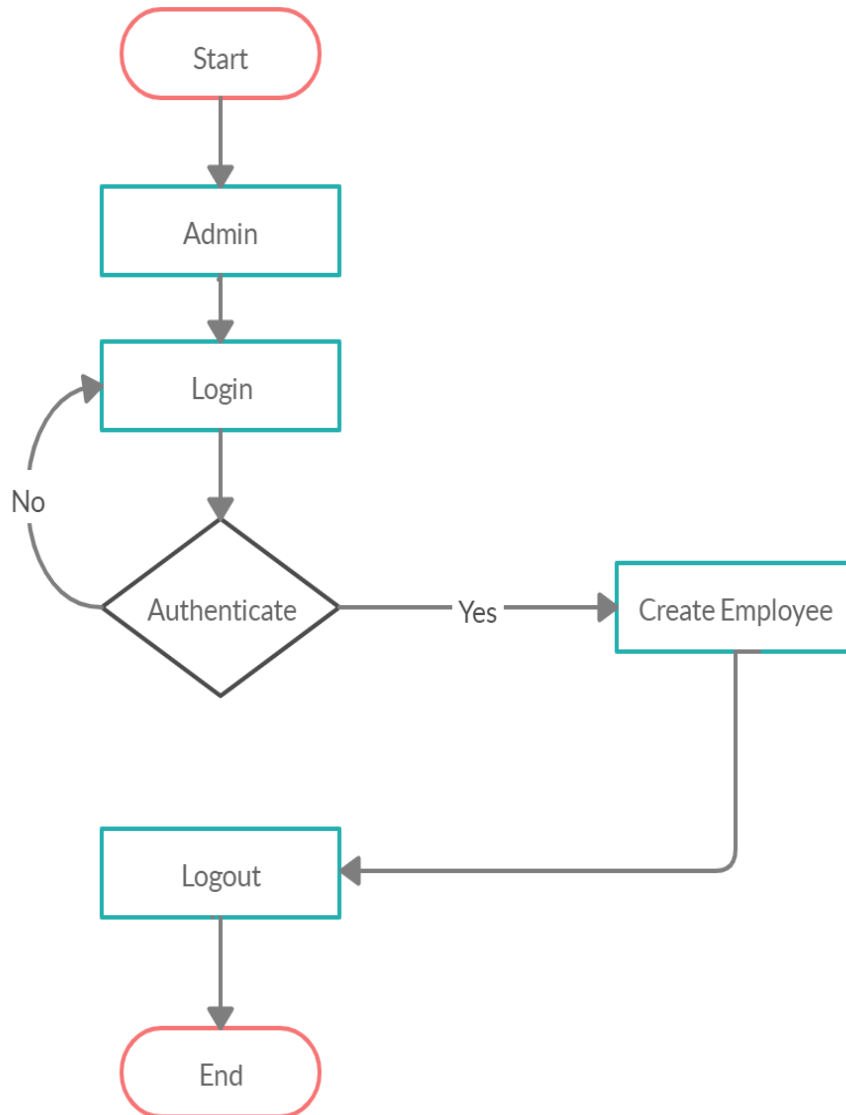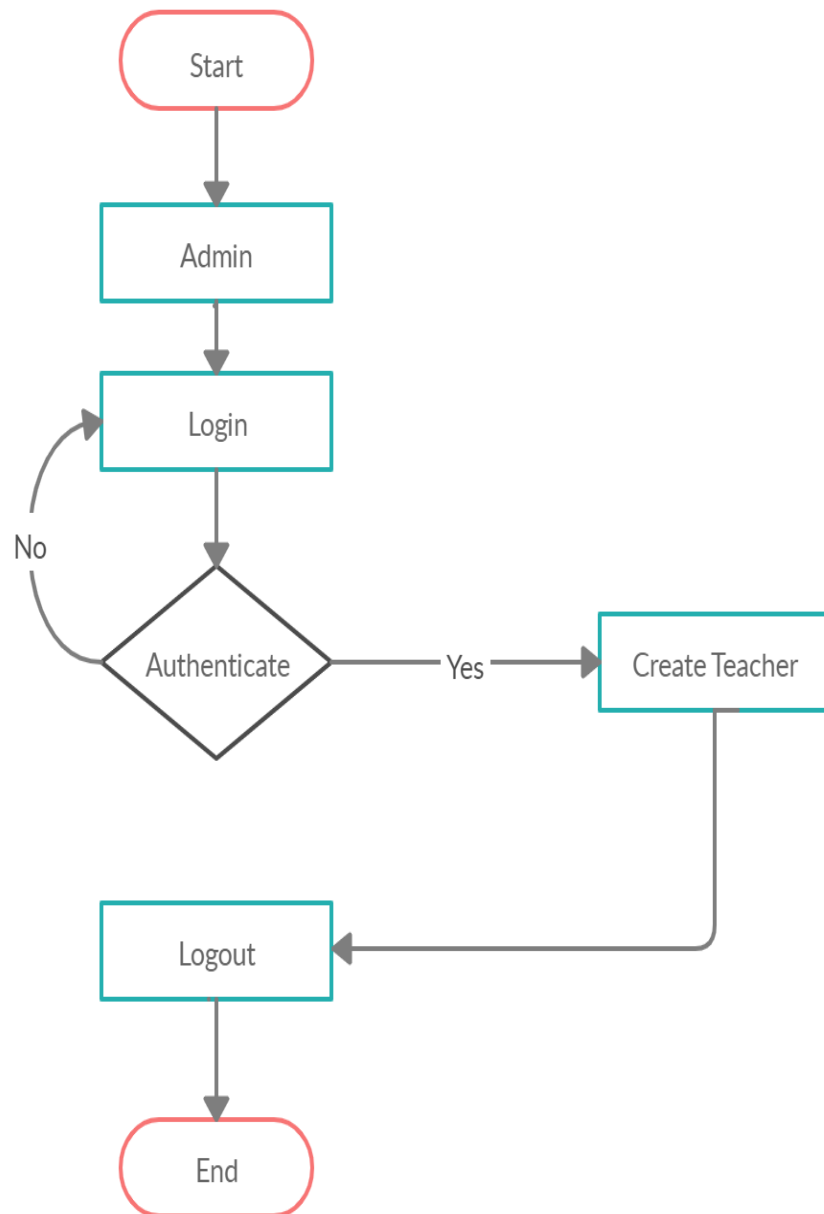# Activity Diagram (Create Student):

Activity Diagram (Update Profile):

```
                    Start
                      |
                      v
                    Admin
                      |
                      v
        No          Login
         |            |
         |            v
      Authenticate ------- Yes -----> Update Profile
                                          |
      Logout <----------------------------|
         |
         v
        End
```
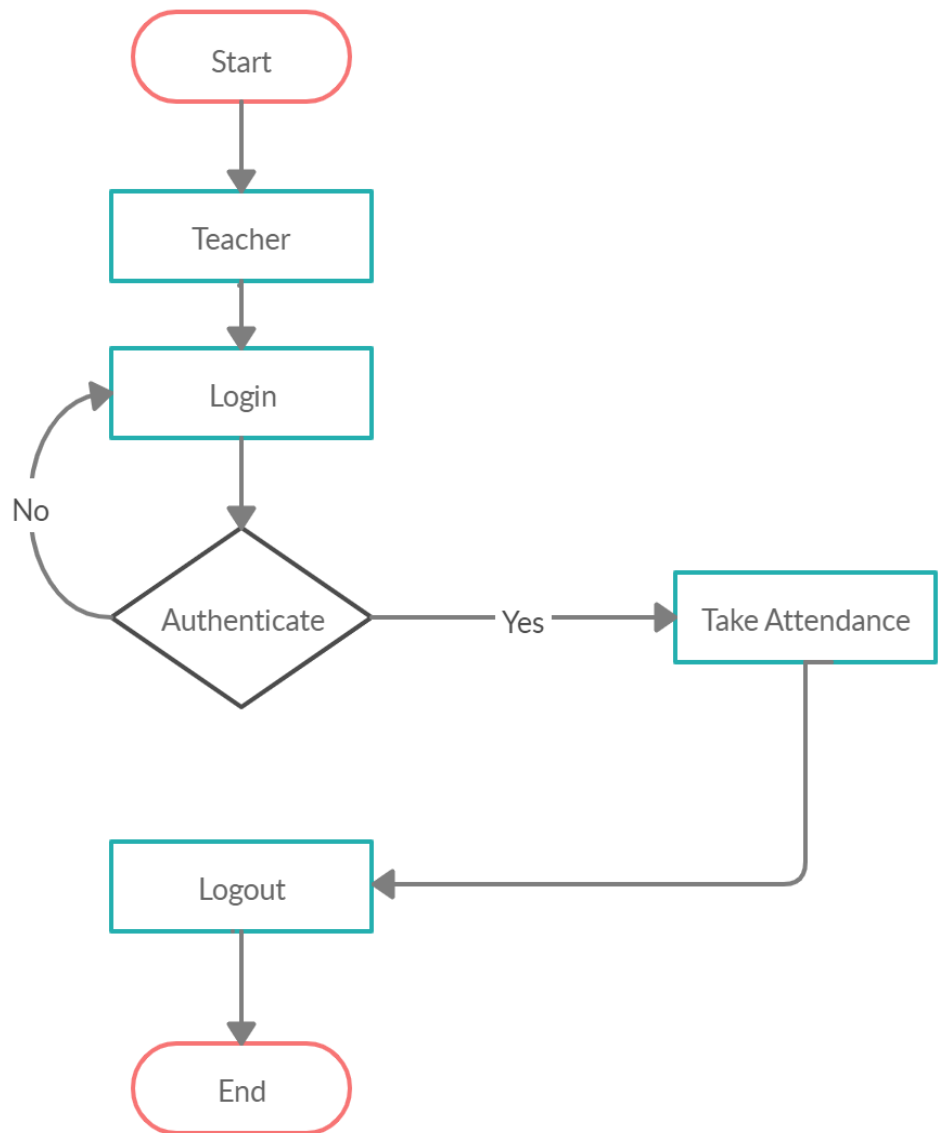
Activity Diagram (Create Employee):

Activity Diagram (Create Teacher):

Start

Admin

Login

No

Authenticate — Yes → Create Teacher

Logout

End

Activity Diagram (Take Attendance):

Database Diagram:

StudentClassInfo

SCid(pk)	int
class_name	string
class_short_form	string

StudentShiftInfo

SSid(pk)	int
shift_name	string

StudentInfo

Sid(pk)	int
roll	int
fathers_name	string
name	string
age	int
gender	string

TeachersInfo

Tid(pk)	
name	string
age	int
gender	string
phone_no	int
designation	string

Attendence

Aid(pk)	string
student	double
date	string
status	

StudentDetailInfo

SDid(pk)	int
SCid(fk)	int
SSid(fk)	int
Sid(fk)	int
Student	string
Std_class	string
std_shift	string
std_section	string
session	int

Class Diagram:

StudentClassInfo
-id:int
+class_nname:char
+class_short_form:char

StudentShiftInfo
-SID:int
+shift_name:char

+1 +0..* +1 +0..*

Teacher
-id:int
+name:char
+age:int
+gender:char

Attendance
-id:int
+date:char
+Status:char

StudentInfo
-id:int
+namechar
+roll:char
+age:int
+gender:char

+0..* +1

StudentDetailInfo
-Did:int
+student:char
+Std_class:char
+std_shift:char
+std_section :char

System SequenceDiagram:
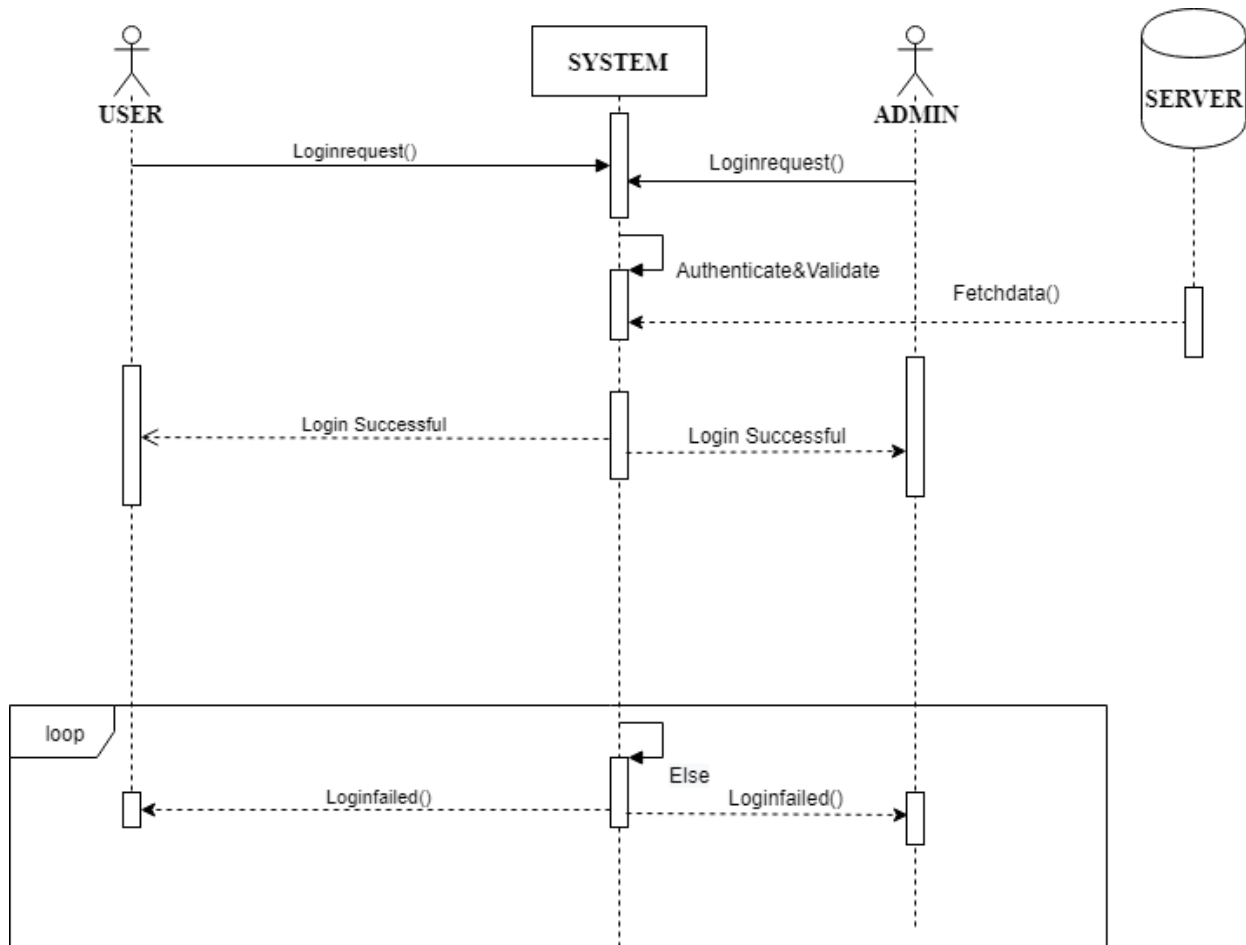
Login Sequence

Logout sequence:
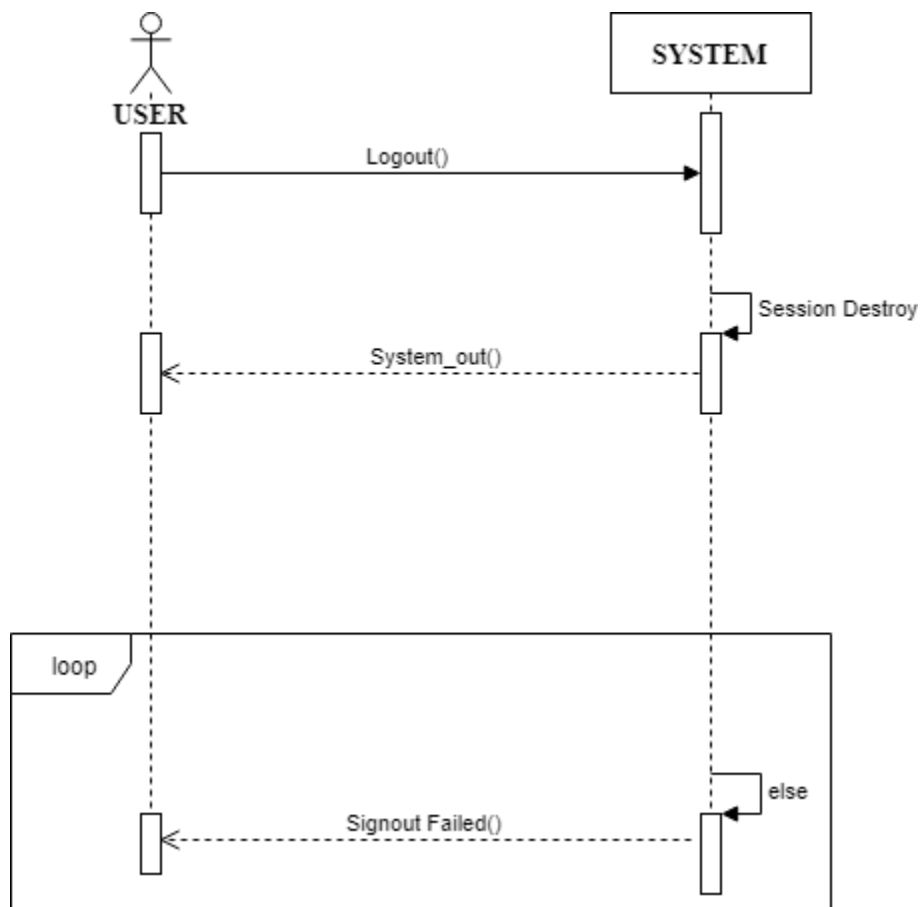
Fig:4.2 Logout

System Architecture Design
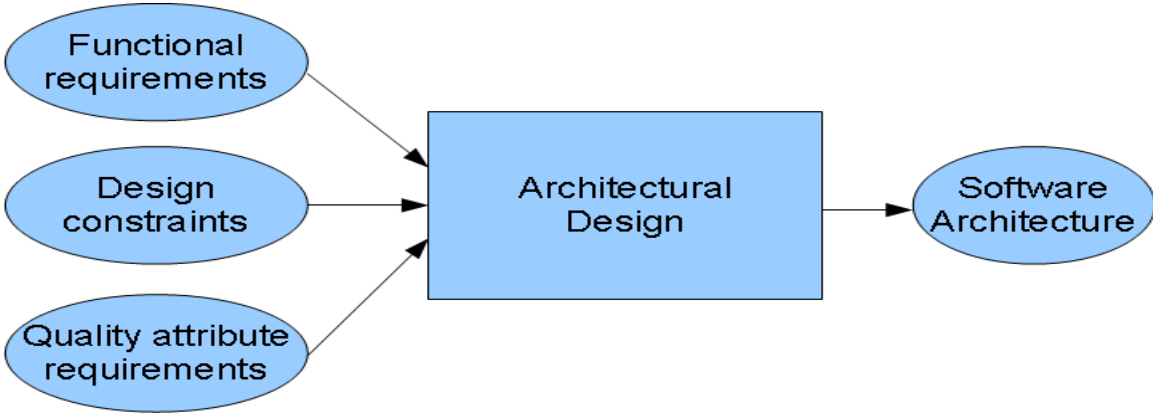
Figure 8: Software Architecture
Design
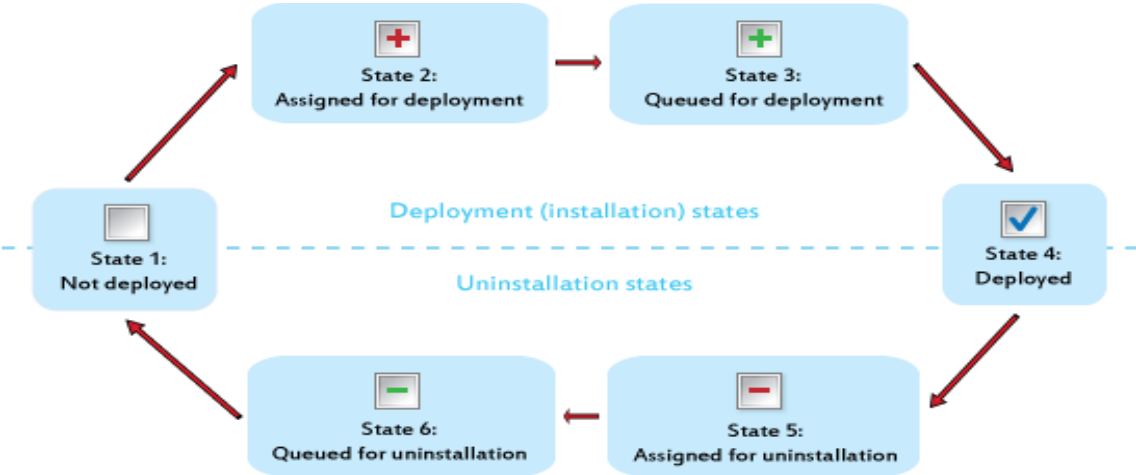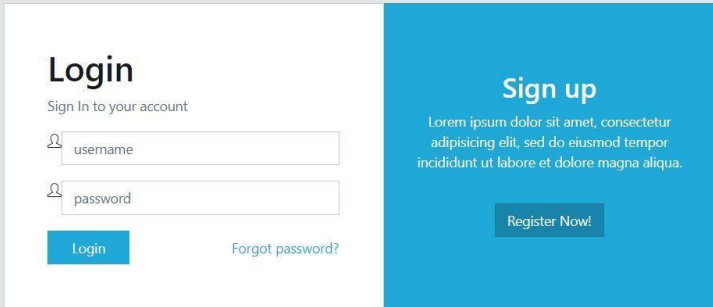
Figure 10: Deployment Process

4 Manual

4.1   Login

Figure 11: Login Process

4.2   Home page

4.3   Administration

4.1   Attendance

4.2 Database

Chapter 5

Future Works and conclusion

5 Future Work:

We will also add student portal for students and employee management system

5.1 Conclusion:

In fine I want to say I am not yet an experienced system analyst, but tried my best to fulfil this project.

5.2   References:

https://stackoverflow.com/
https://Python.org /
https://tutorialspoint.com/