



M .V.P.SAMAJ'S

K .R.T ARTS, A.M.SCIENCE  
AND  
B.H.COMMERCE  
COLLEGE, GANGAPUR ROAD  
NASHIK.

**A PROJECT REPORT  
ON  
INSTITUTE MANAGEMENT SYSTEM**

**Developed by  
of**

**Vinayak Pawar  
Computer science**

**Under the guidance  
Prof. B.B Darekar**

**Department of**



M .V.P.SAMAJ'S  
K .R.T ARTS, A.M.SCIENCE  
AND  
B.H.COMMERCE  
COLLEGE, GANGAPUR ROAD  
NASHIK.

## CERTIFICATE

*This is to certify that project report on*  
**INSTITUTE MANAGEMENT SYSTEM**  
Has been Successfully completed by  
Vinayak Pawar  
For fulfillment of B.Sc(Computer Science)  
During the academic Year 2020-2021

*Dr.B.B Darekar(Project Guide)  
Department)*

*(Head of the*

Sr.no	<b>INDEX</b>	Title	Page No.
1		Introduction	5
2		Problem Definition	6
3		Need of the System	7
4		Scope of the System	8
5		Feasibility study(H/w and S/w Requirements)	9
6		Fact Finding Techniques	12
7		ER Diagram	13
8		Data Dictionary	14
9		UML Diagrams	20
10		Sample I/O Screen	27
11		Conclusion	34
12		Advantages	35
13		Bibliography	36



# **INSTITUTE MANAGEMENT SYSTEM**

# Introduction

Institute management system is an internet based project. The main objectives are to carry out this project is to achieve the most efficient and effective way for development of high quality Institution management system and better documentation. In order to automate the essential function which are currently running on manual base and implementation of an Institution management system

- Increase the performance, accuracy & provide better service in the Institution
- Providing accurate and up to date update details about all relevant details.
- To reduce the workload and minimize the paper work & storage.
- Provide a high security for the system, it will safe

# Problem Definition

Institute Management System (IMS) is an application developed that will be used for management of different courses in various institutes by its administrator. Admin manages all the registrations of users in institute and uploads all the study material such as videos, pdf, ppt's etc according to the syllabus related to that particular course.

Once the user makes registrations then he/she is applicable for that particular course. Admin appoints teachers as per their skill and experience. But it is a time consuming process, since user has to do manual registrations and has to go to that institute regularly.

Whenever there are some updates in the syllabus of different courses, it is difficult for the admin to make changes. To calculate no of users who has enrolled in the institute and to calculate total amount paid by them, requires more time.

Another factor is the number of errors that occurs due to manual work.

# Need of the System

- The Work in the Institute is done manually by the admin i.e. all the registrations and readmission processes, hence it is time consuming process.
- If the admin wants to make changes in schedule or records of the users, then it is a difficult task for him and may cause errors due to large amount of data, hence more paper work is required too.

# Scope of Proposed System

In proposed system we want to design an online IMS system that will have different access level for different categories of people general users, special users and admin.

IMS will be programmed , so as to make accessible from any location. It will consist of various modules to deal with different sections that can be there within an institute. The focus of IMS is to make administration of institute easier.

# **Feasibility Study**

## **❖ Technical Feasibility :-**

Technical feasibility is the study of hardware and software requirements. The proposed system is technically feasible as it has been developed with the help of available technology.

- **Hardware Requirements :-**

- 1) Hard drive - 40GB and more
- 2) RAM – 512 MB and above
- 3) Processor – Pentium 3, 665 MHz
- 4) System type - 1GHz 32 bit/64 bit

- **Software Requirements :-**

- 1) Front end – PHP, HTML, CSS
- 2) Script – JavaScript
- 3) Platform – Windows
- 4) Back end – My SQL

## ❖ **Economical Feasibility :-**

Economical feasibility determines whether there are sufficient benefits in creating , to make the cost acceptable ,or is the cost of the system too high. As this signifies cost benefit analysis and savings. On behalf of the cost benefit analysis the proposed system is feasible and is economical regarding its pre-assured cost for making a system. During the economical feasibility test we maintain the balance between operational and economical feasibilities, as the two were conflicting.

for e.g. – The solution that provides the best operational impact for the end users may also be the most expensive and the reverse may also be true.

## ❖ **Operational Feasibility :-**

Operational feasibility is a study to find out whether developed and implemented system will be useful or not. It is for finding out whether the developed system would comply with the users or the users will resist using the system?

The system offers greater level of user friendliness combined with great processing speed, therefore the cost of maintenance can be reduced. Since processing speed is very high and the work is reduced. The main point of view is management convenience that the project is operationally feasible.

# Fact Finding techniques

## • Data Requirements of the System

□ Identify End Users of the System

1 Admin

2 Users

□ Input Data to the System

1 Admin : Login, Password and Admin details

2 Users : Login, User details, feedback.

□ Output Information from the System

1 Admin : Reports, feedback

2 Users : Registration confirmation, course details, schedule, receipt

## • Functional or Processing Requirements of the System

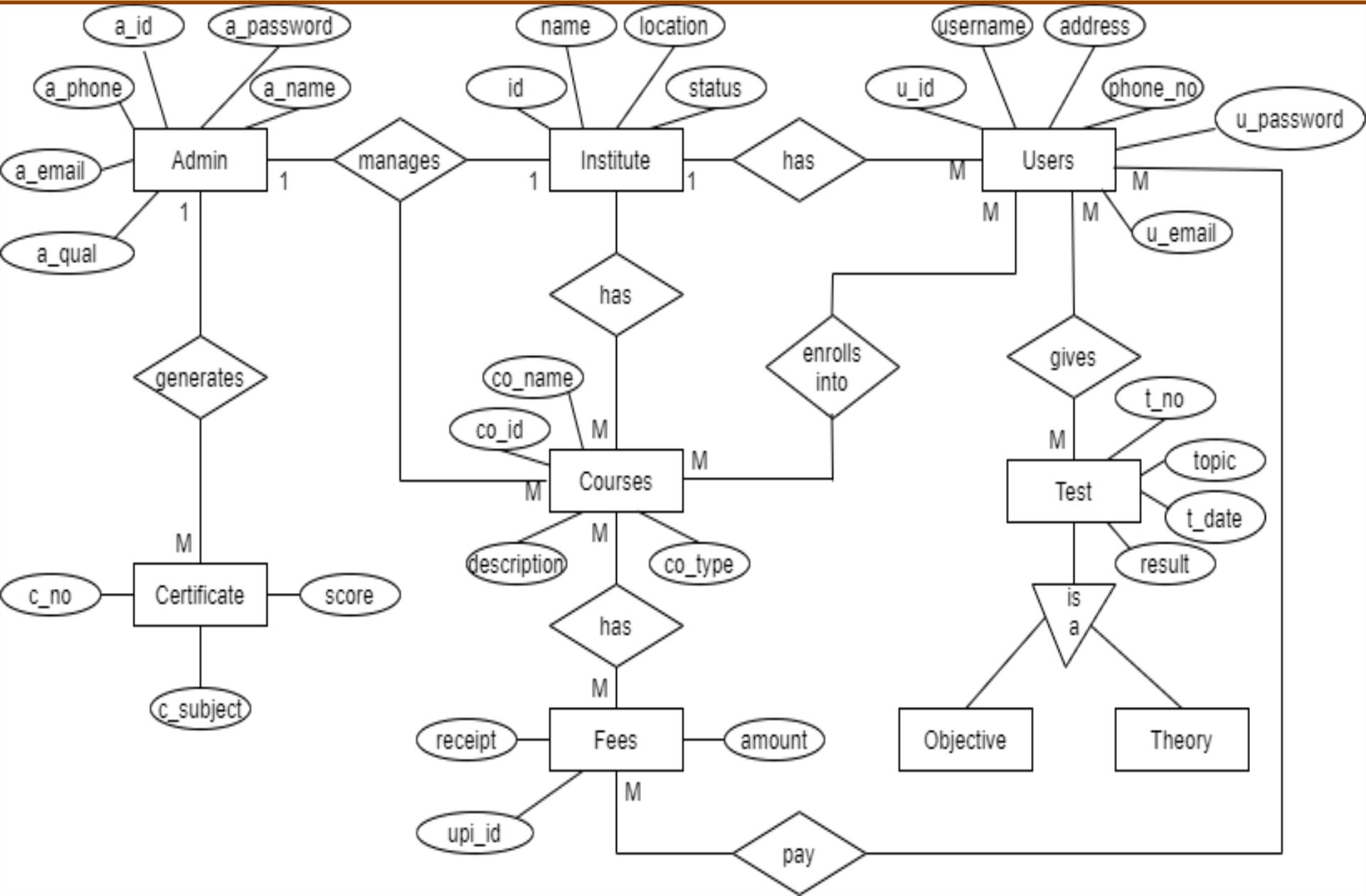
1 User must have to do login and registration to use the system.

2 System stores all the course and user details.

3 Admin keeps the record of daily tests conducted and total fees paid.

4 Stores the feedback given by customer.

# ER DIAGRAM



# Data Dictionary

## Admin Table :-

Column	Datatype	length	Null	Keyname	Links to
a_id	int	10	NO	Primary Key	-
a_name	varchar	20	NO	-	-
password	varchar	20	NO	-	-
a_phone	long int	20	NO	-	-
a_email	varchar	10	NO	-	-
ID	int	10	NO	Foreign Key	tbl_institute->ID

# Data Dictionary

## Institute Table :-

Column	Datatype	Length	Null	Keyname	links to
ID	int	10	NO	Primary Key	-
name	varchar	20	NO	-	-
location	text	20	NO	-	-
status	varchar	20	NO	-	-
a_id	int	10	NO	Foreign Key	tbl Admin ->a_id

# User Table :-

<b>Column</b>	<b>Datatype</b>	<b>Length</b>	<b>Null</b>	<b>Keyname</b>	<b>links to</b>
u_id	int	11	NO	-	-
user_name	varchar	10	NO	-	-
u_password	varchar	10	NO	-	-
address	text	20	NO	-	-
u_phone	long int	10	NO	-	-
u_mail	varchar	15	NO	-	-
ID	int	10	NO	-	tbl institut e ->ID

# Course Details :-

Column	Datatype	Length	Null	Keyname	Links to
c_id	int	10	NO	Primary key	-
c_name	varchar	20	NO	-	-
description	text	20	NO	-	-
c_type	varchar	10	NO	-	-
a_id	int	10	NO	Foreign key	tbl Admin ->a_id

# Fees

Column	Datatype	length	Null	Keyname	Links to
receipt_no	int	10	NO	Primary key	-
UPI_id	varchar	10	NO	-	-
amount	longint	10	NO	-	-

# Test

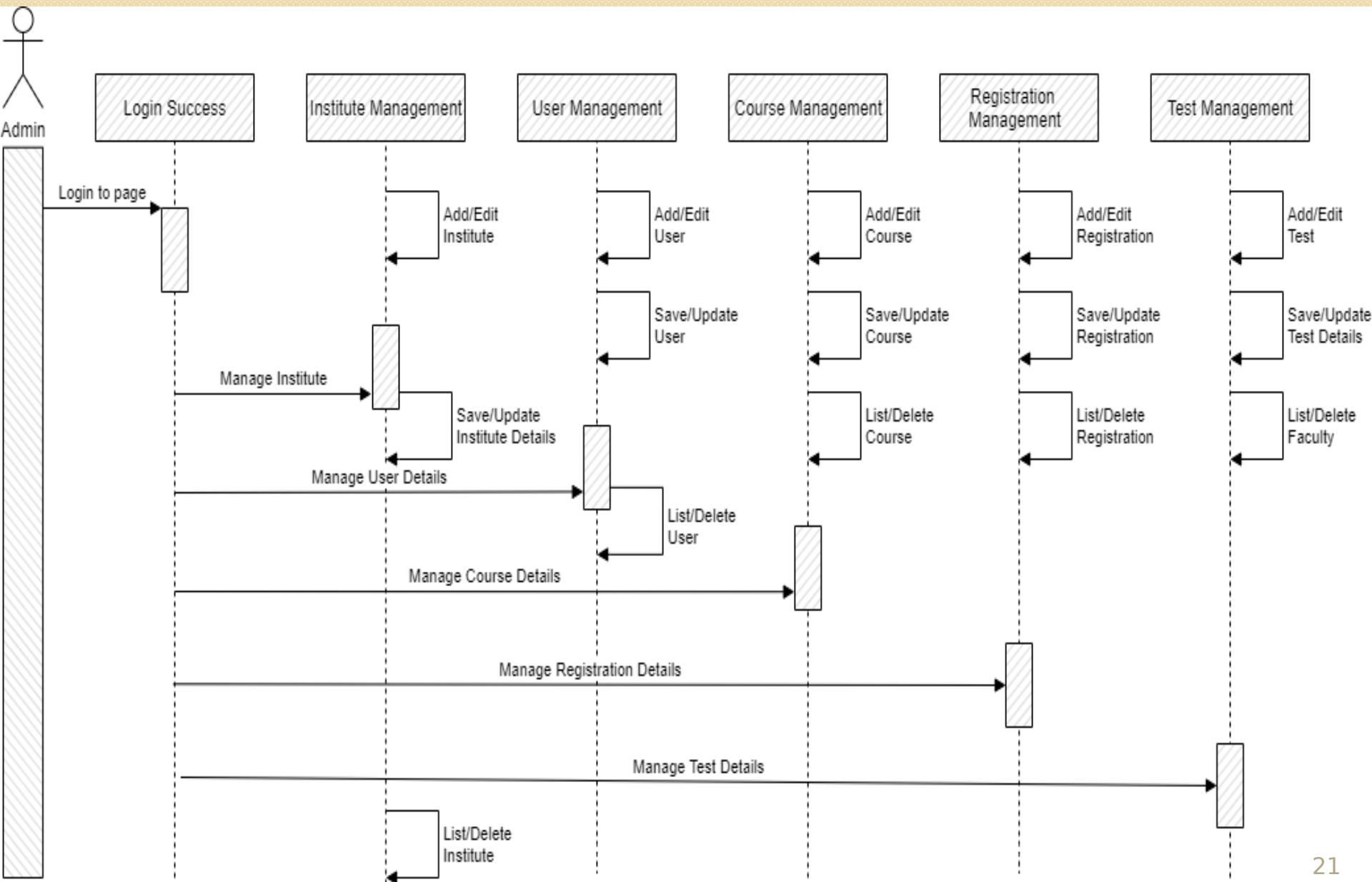
Column	Datatype	length	Null	Keyname	Links to
t_no	int	10	NO	Primary key	-
t_date	date	10	NO	-	-
result	text	20	NO	-	-
topic	varchar	10	NO	-	-

# Certificate Table :-

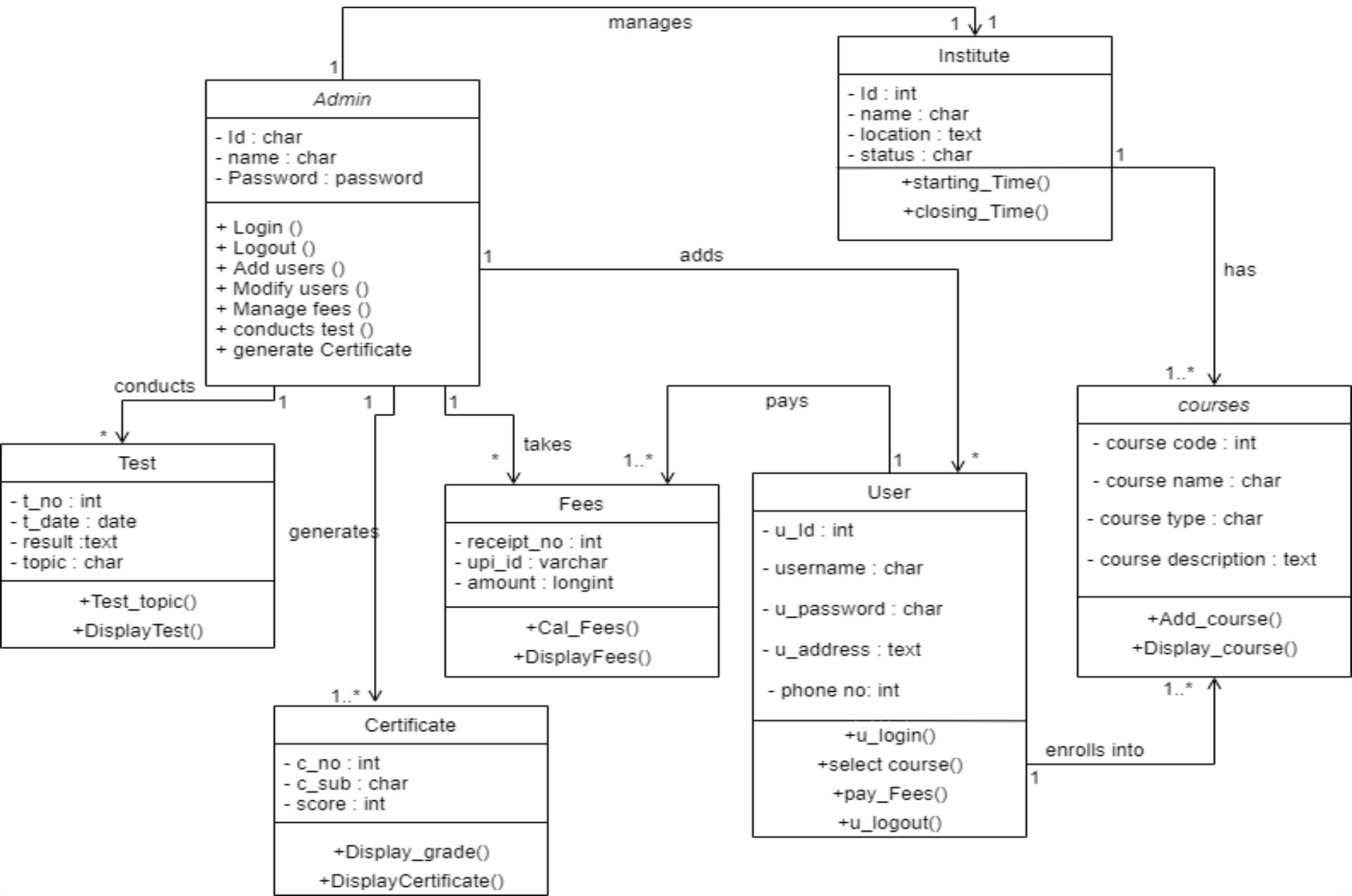
Column	Datatype	Length	Null	Keyname	Links to
c_no	int	10	NO	Primary key	-
c_sub	varchar	10	NO	-	-
score	int	10	NO	-	-
a_id	int	10	NO	Foreign key	tbl Admin ->a_id

# UML DIAGRAMS

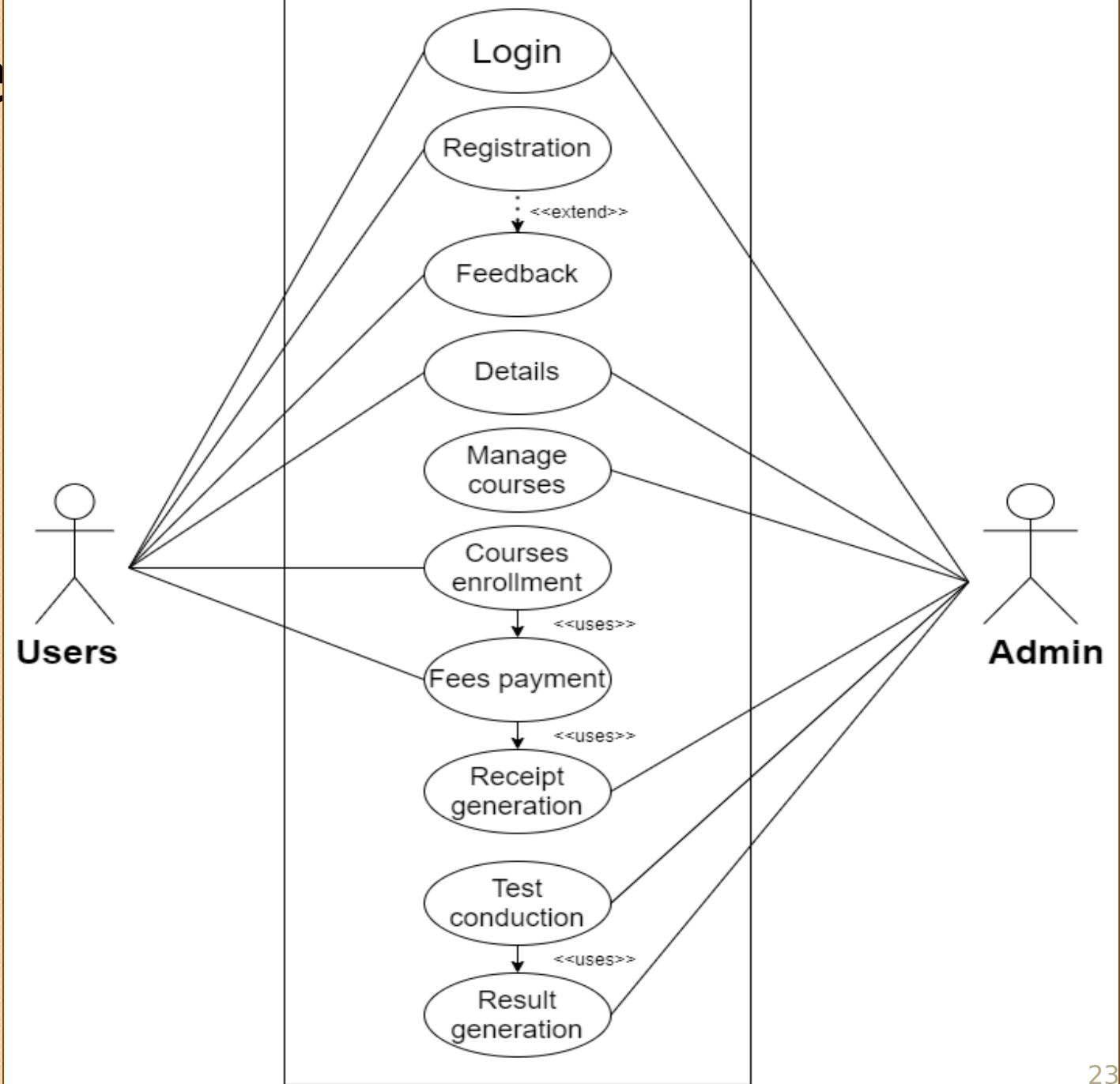
# SEQUENCE DIAGRAM



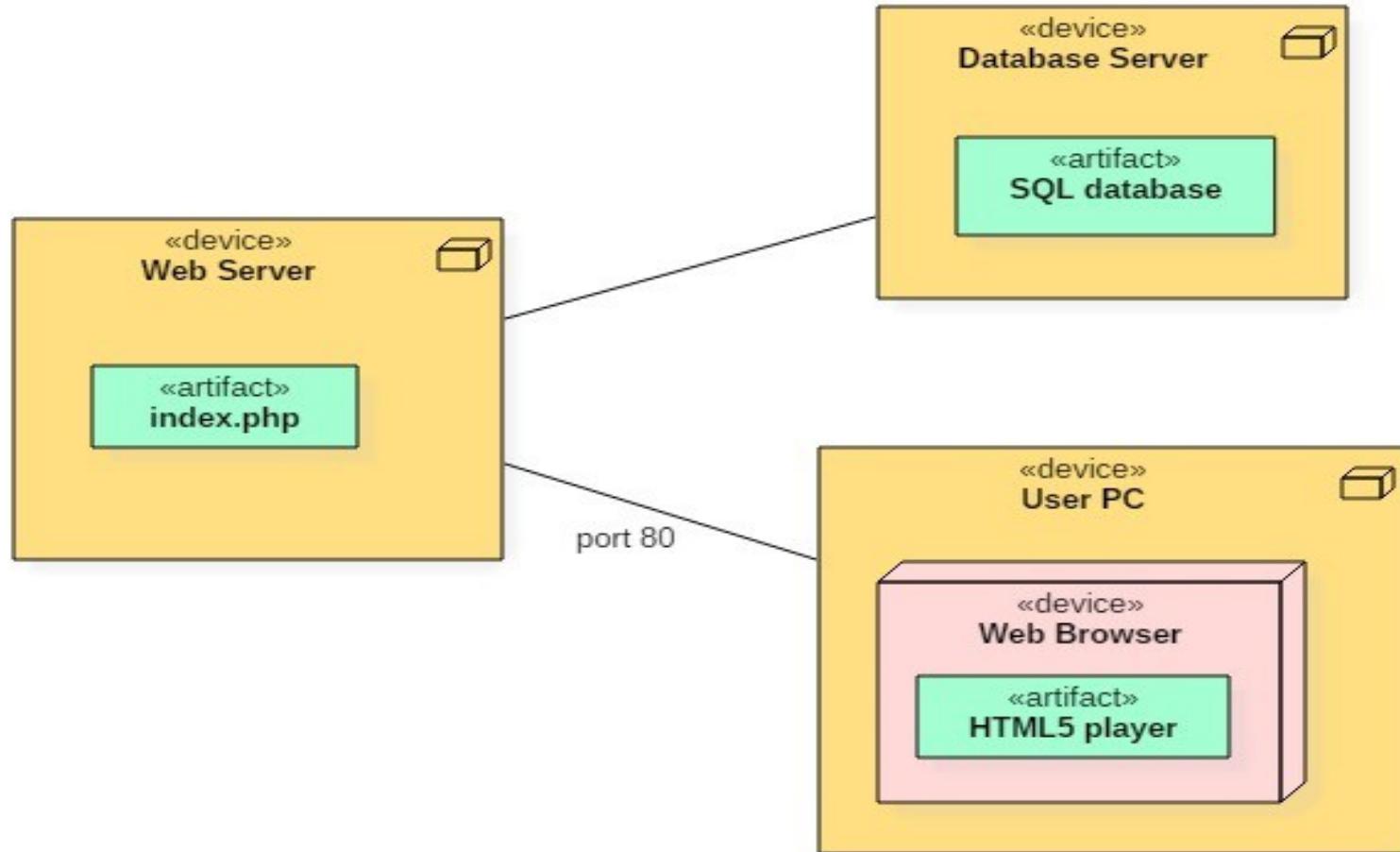
# CLASS DIAGRAM



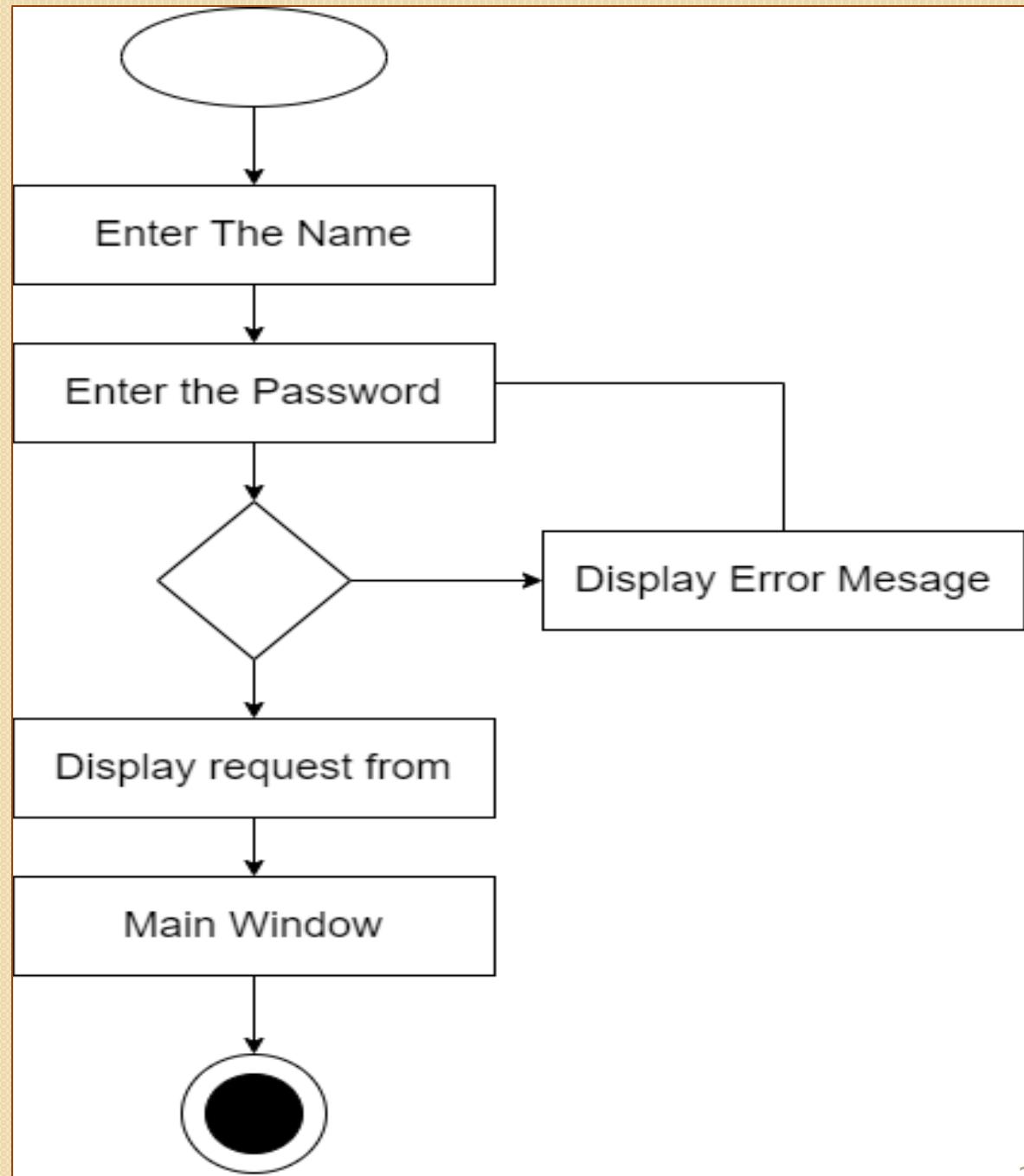
# Use Case Diagram



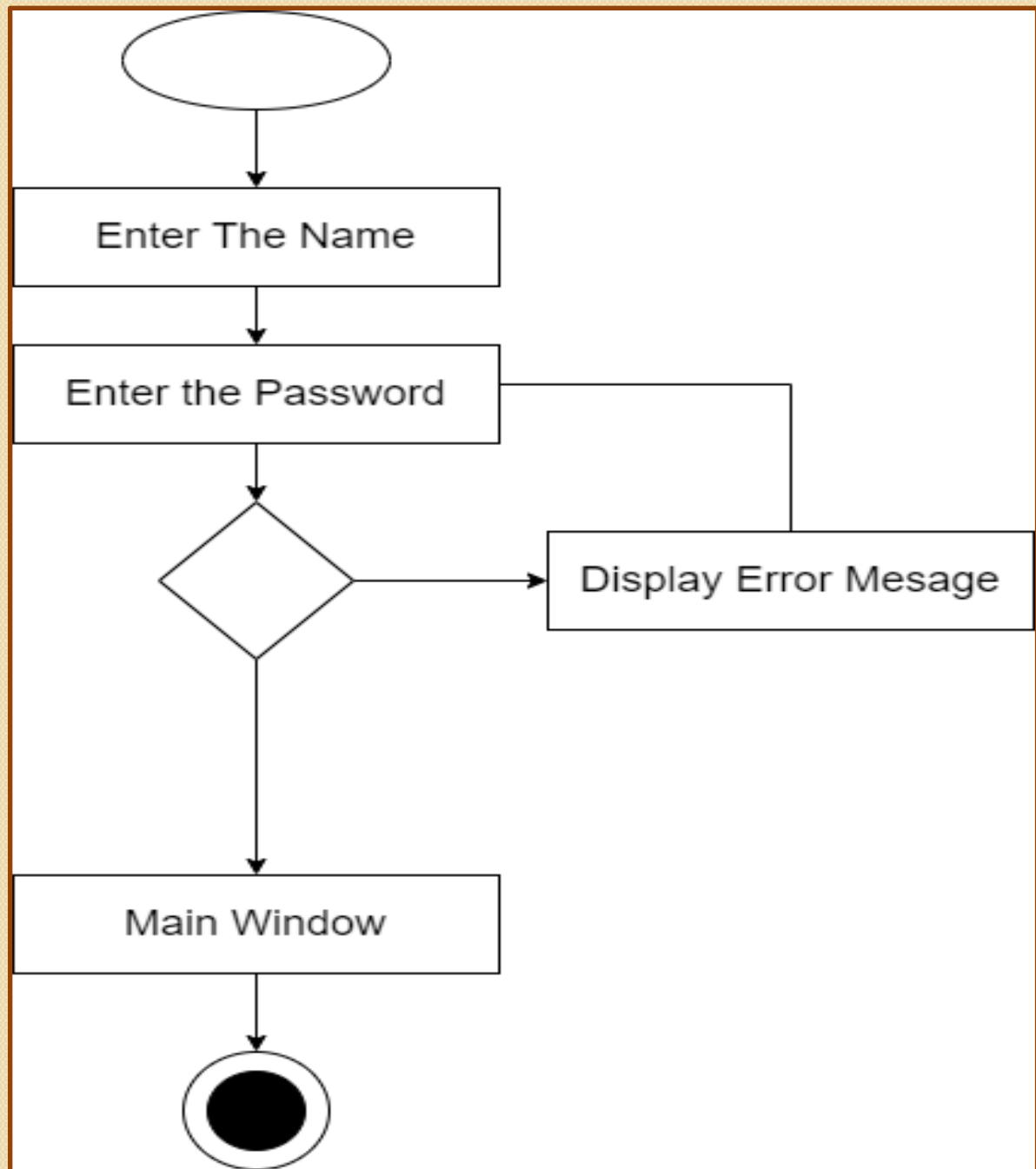
# DEPLOYMENT DIAGRAM



# ACTIVITY DIAGRAM (ADMIN LOGIN)



# ACTIVITY DIAGRAM (USER LOGIN)



# I/O Screens

Admin Login

# Login Form

**Username**

Enter Username

**Password**

Enter Password

**Login****Cancel****New User**

IIS Windows Registration

localhost:7882/Project%20IP/register.php

# Register

Please fill this form to create an account.

**Username**

**Password**

**Address**

**Phone Number**

**Email**

Register

Already have an account? [Sign in](#)

IIS Windows

Home Page

localhost:7882/Project%20IP/home1.php



Home Courses Dashboard ContactUs Logout

## What is Programming?

Computer programming can be defined as the set of processes involved in designing and developing an executable computer program for accomplishing a specific task through computers. Programming involves tasks such as analysis, algorithm generation, profiling algorithms' accuracy, and implementing the algorithms in a chosen programming language (commonly referred to as coding). In other words, programming can be understood as the sequence of instructions that will automate the performance of a task on a computer. In general, the purpose of programming is to solve a given problem. The process of programming thus often requires expertise in several different subjects, including knowledge of the application domain, specialized algorithms, and formal logic.

## Computer Programming Scope

Computer programming is one of the most demanding fields. Computer programmers can get a job in fields such as software development, web designing, software testing, mobile app development, and much more. Nowadays, computer programming is not limited only to the IT sector rather it has been stretched even further into other fields like Mechanical and Electronics and hence, its demands have been increasing. The advent of Robotics and Artificial Intelligence has also boosted the demand for computer programmers. In this article, we will provide you with the details about placement scope of computer programmers, skills required, course syllabus, job roles, salaries, and top companies. Read on to find out.



Home

Courses

Dashboard

ContactUs

Logout

Courses	Fees	Duration	
C and C++	4000	2 months	<a href="#">pay</a>
Java	5000	4 months	<a href="#">pay</a>
PHP	4000	2 months	<a href="#">pay</a>
Python	5000	5 months	<a href="#">pay</a>
Javascript	4500	3 months	<a href="#">pay</a>

**Upi Id** Enter Upi Id**Amount** Enter Amount**Make Payment**



[Home](#)

[Courses](#)

[Dashboard](#)

[ContactUs](#)

[Logout](#)

Payment Successfull

You have subscribed for the course



**Home**

**Courses**

**Dashboard**

**ContactUs**

**Logout**

contact us at:

[institute@gmail.com](mailto:institute@gmail.com)

[9890675368](tel:9890675368)

ER diagram.png

Institute manage....pptx

Show all

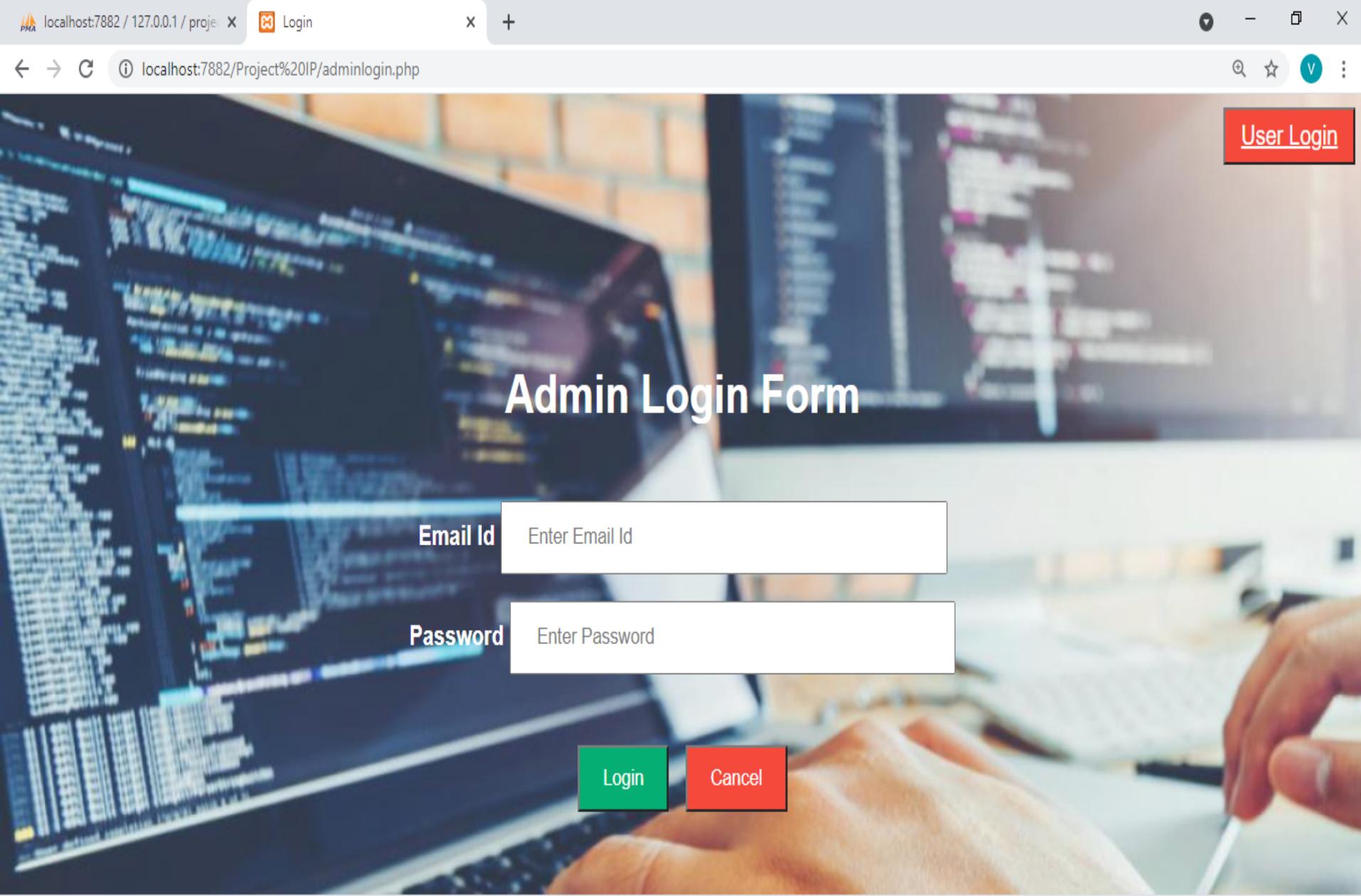


Type here to search



20:39  
19-06-2021





ER diagram.png

Institute manage....pptx

Show all



Type here to search



20:40  
19-06-2021

**Course Name** Enter Course name**Description** Enter Description**Course Type** Enter Course Type

# Conclusion

The aim of project was to develop well performance to the Institutions. According to project plan system was to cover this function Registering, calculate payment and manage and generates reports . The main objective of this project is to easily maintain the Institutions. There is no doubt that is interactive system will increase the user convenience in future.

The project had been finished with the planned time frame and by products of the process produced from various stage of the development process was documented to facilitate and maintain the successful outcome of the whole development process

# Advantages

- 1.**It is efficient and reliable method for Institutes during pandemic situation.
- 2.**Avoids data redundancy and inconsistency.
- 3.**It is user friendly.
- 4.**Easy accessibility of data.
- 5.**Provides more security and integrity to data.

# Bibliography

## Websites :-

<http://www.tutorialspoint.com>

[http://www.tutorialspoint.com/index.html.co  
m](http://www.tutorialspoint.com/index.html.com)

## You Tube Videos :-

<http://www.youtube.com/watch?v=gp-rcmc78YCo&list=PLB04B4E5D9B58C13D>

## Books :-

Books of T.Y.B.Sc(Computer Science)