

A  
Project Report  
On...

Students  
Management  
System

Developed By...

[Sweta Sapariya]

Submitted To...

[Geetanjali College Of Computer Science &Commerce (BBA)]

Saurashtra University

Rajkot

[2024-2025]

Guide Name...

[PROF. Shreya Doshi ]

## College Certificate



## Acknowledgement

I greatly appreciated cooperation of my faculty members of Geetanjali College and my friends who provided throughout support to fulfillment of my project- "**Students Management System**".

The successful completion of a project is generally not a individual effort. It is an outcome of the cumulative effort of number of persons, each having its own importance.

First, I would like to thanks Head of Department **Prof. Brijesh Shah Sir** who provides infrastructural & project guidance session for us.

I would also like to thanks my project guide **PROF. Shreya Doshi** who given continues guidance & solve my quires arrives during the project development phase.

I highly thank full to other faculty members, lab faculties, my friends & each n every person who continues encourage me & continues support & guide me.

## PREFACE

- This project aims to develop an efficient and user-friendly **Student Management System**, designed to streamline the management of student data, courses, and fees in an educational institution.
- The system facilitates the organization of key information such as student records, course details, and financial transactions related to enrollment and tuition fees.
- The development of this system has been guided by the need for a solution that minimizes manual effort and automates routine tasks, allowing administrators to focus on more critical aspects of managing educational services.
- With integrated functionalities such as data retrieval, updates, and PDF reporting, this project presents a comprehensive tool for educational management.

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## Project Profile

- Project Title : Students Management System
- Operating System : Microsoft Windows 7
- Front End Tool : C# .NET
- Backend Tool : SQL SERVER
- Academic Year : 2024-2025
- Developed By : Sweta Sapariya
- Guided By : PROF. Shreya Doshi
- Submitted To : Geetanjali College Of Computer  
Science &commerce (BBA), Rajkot.
- Aim Of Project : Add, delete and review students  
information.

## PROJECT REQUIREMENT

Software requirement:-

Tools	Size
Platform	Windows
Operating System	Windows 7 Or Higher
Development Tool	.NET Framework
Front- End Tool	C# .NET
Back End Tool	SQL SERVER

## TECHNOLOGY REQUIREMENT

### 1. Hardware Requirement: -

Tools	Size
Processor	Intel i3 or Higher
RAM	Minimum 4GB or Higher
Hard disk	Minimum 30 GB or more

### 2. Software Requirement: -

Tools	Size
Platform	Windows
Operating System	Windows 7 Or Higher
Development Tool	.NET Framework
Front- End Tool	C# .NET
Back End Tool	SQL SERVER



## DATA DICTIONARY

1. Table name: - Admin\_Login

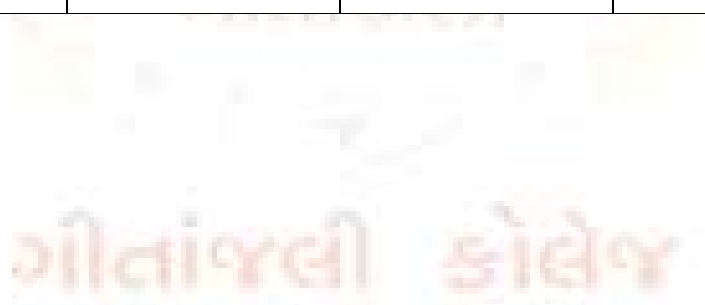
Fieldname	Data type	Size	CONSTRAINTS
Username	Varchar	50	Not Null
Password	Varchar	50	Not Null

2. Table name: - Teachers

Fieldname	Data type	Size	CONSTRAINTS
Id	Int		Primary Key
Teacher_name	Varchar	50	Not Null
Subject	Varchar	50	Not Null
Qualification	Varchar	50	Not Null

### 3. Table name: - Student

Fieldname	Data type	Size	CONSTRAINTS
Student_Id	Int		Primary Key
Student_name	Varchar	50	Not Null
Gender	Varchar	50	Not Null
Date_of_Birth	date		Not Null
Contact_number	Varchar	50	Not Null
Pin_code	Varchar	50	Not Null
City	Varchar	50	Not Null
Address	text		Not Null



4. Table name: - Courses

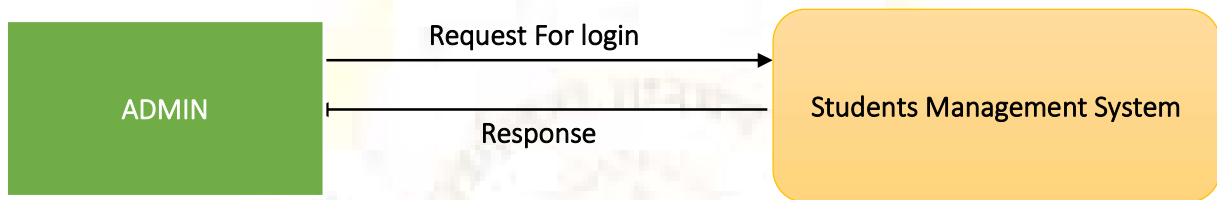
Fieldname	Data type	Size	CONSTRAINTS
Courseld	Int		Primary Key
Coursename	Varchar	50	Not Null
Timeduration	Varchar	50	Not Null
TotalFees	Varchar	50	Not Null

5. Table name: - Fees

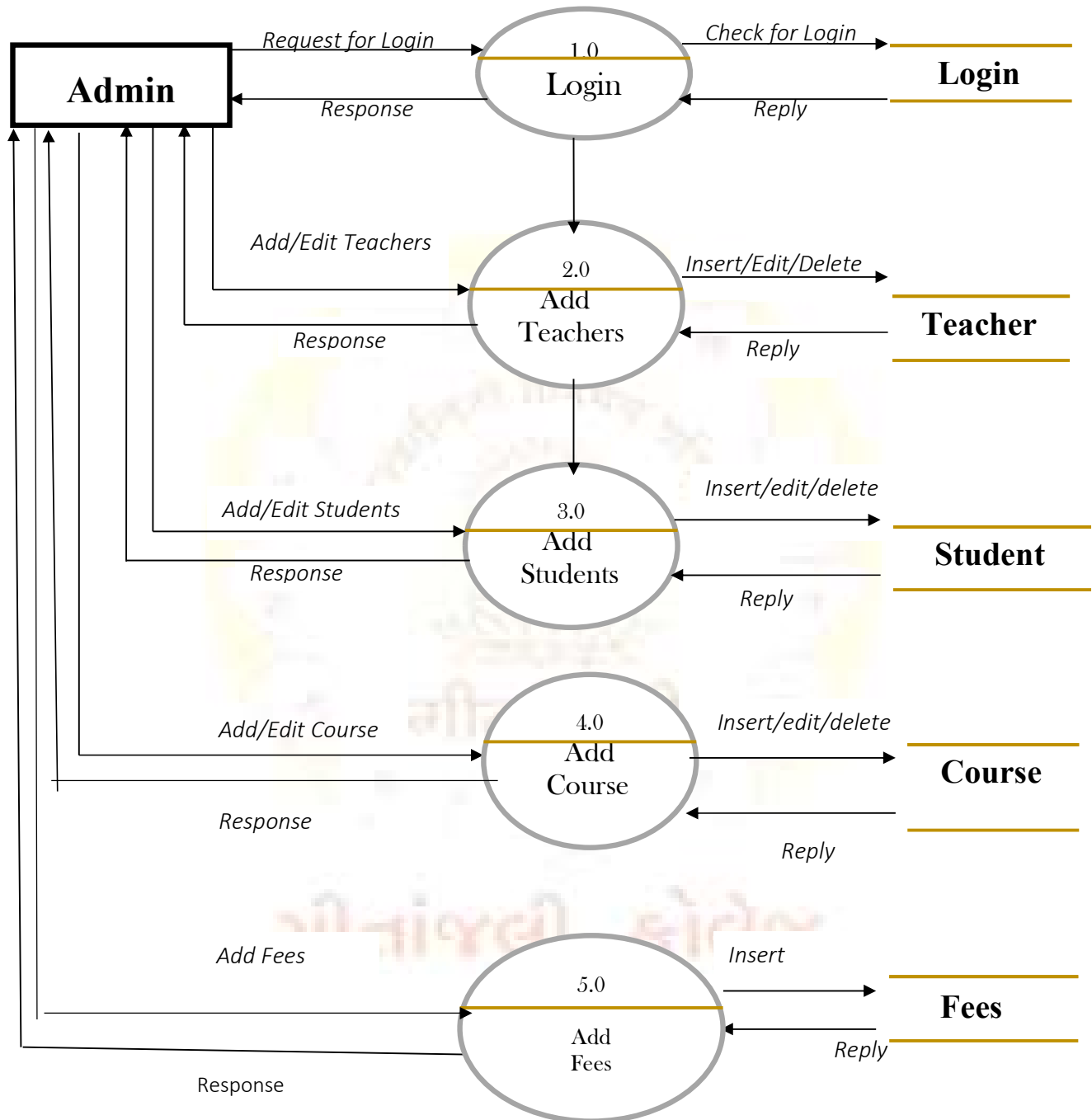
Fieldname	Data type	Size	CONSTRAINTS
Student_Id	Int		Foreign Key
Student_name	Varchar	50	Not Null
Course	Varchar	50	Not Null
TotalFees	Decimal	(18,0)	Not Null
PaidFees	Decimal	(18,0)	Not Null
RemainingFees	Decimal	(18,0)	Not Null
FinalPaidFees	Decimal	(18,0)	Not Null

## Data Flow Diagram

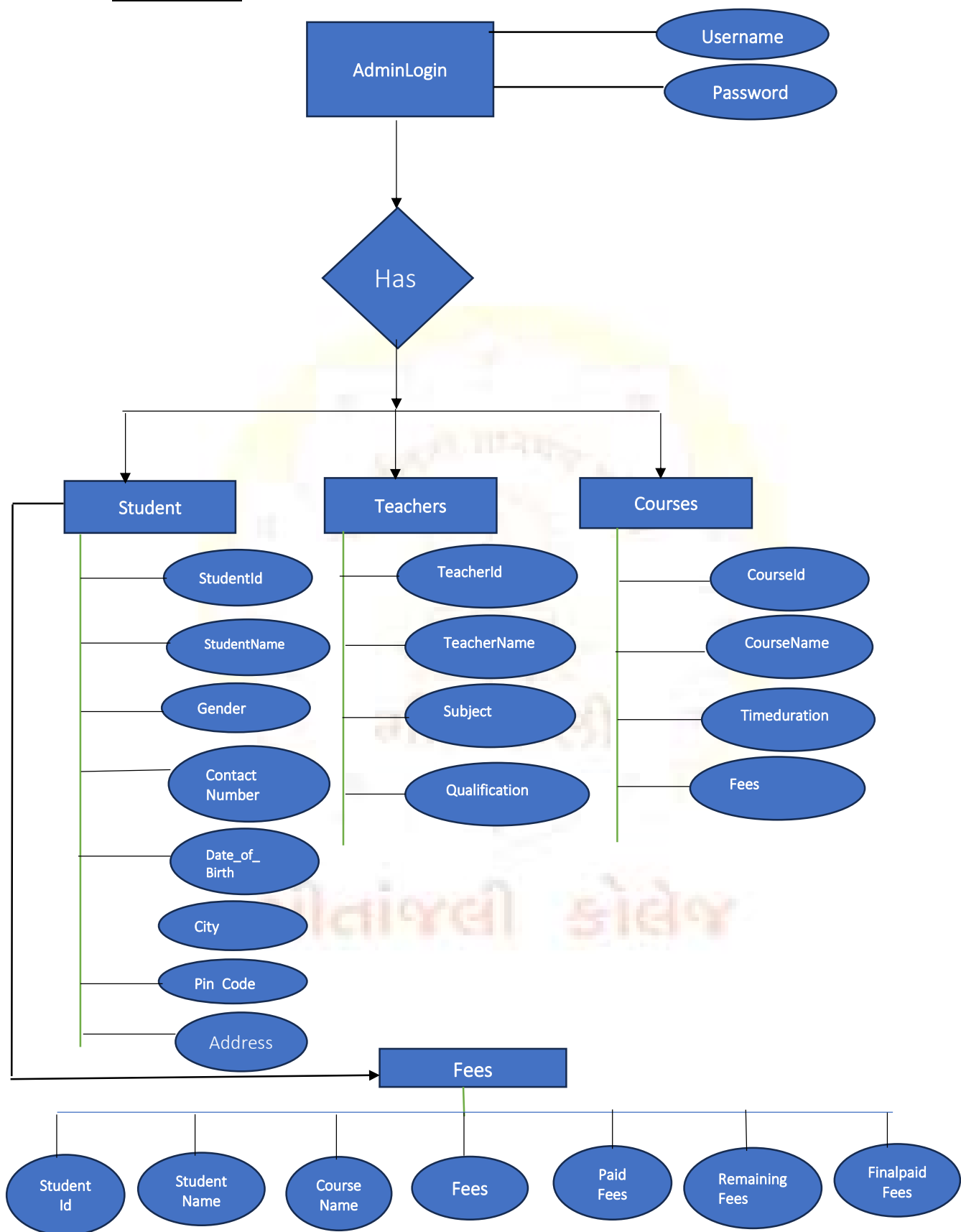
❖ O-LEVEL



## ❖ LEVEL-1 (ADMINSIDE)

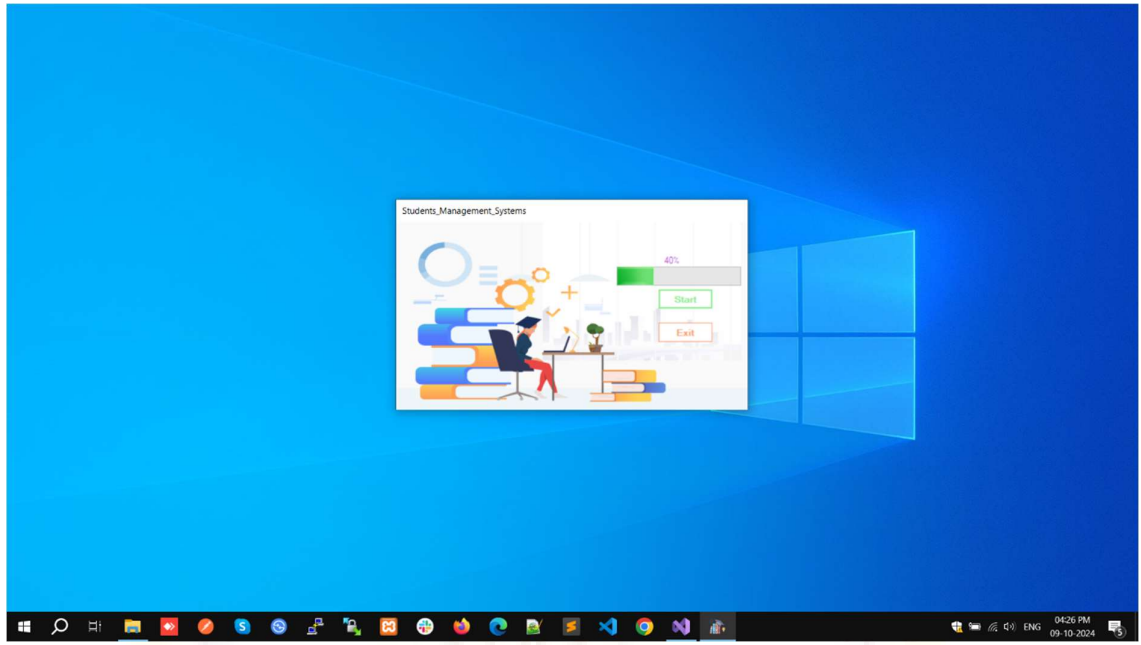


## ❖ ER Diagram



## Screen Shots

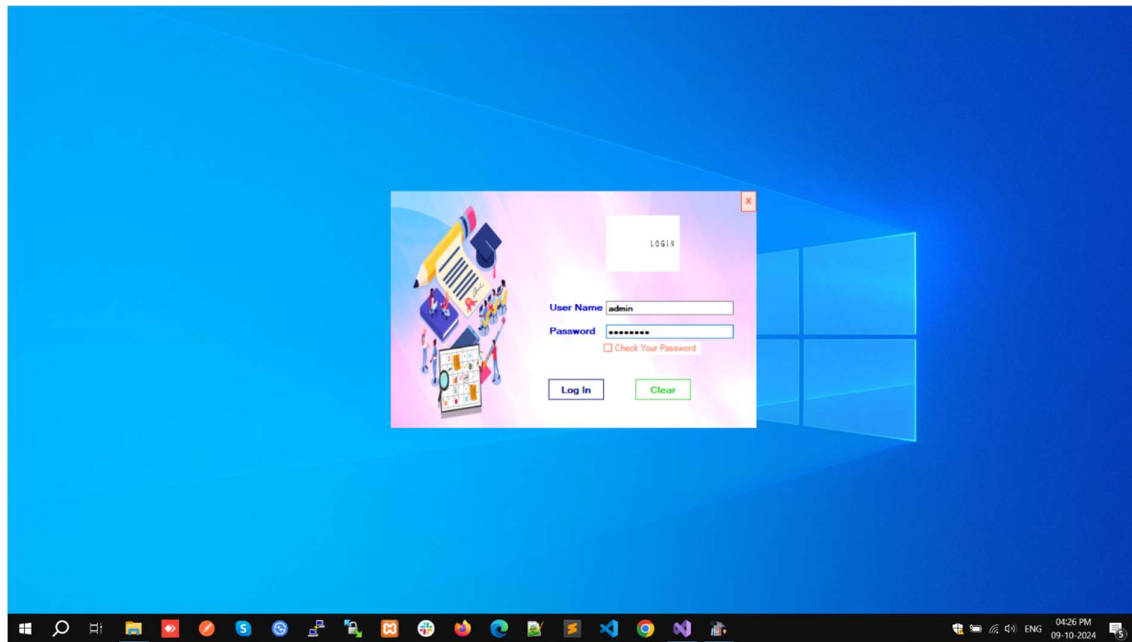
### ❖ Startup



0

- The first page of the Student Management System , server as the welcome or landing page.

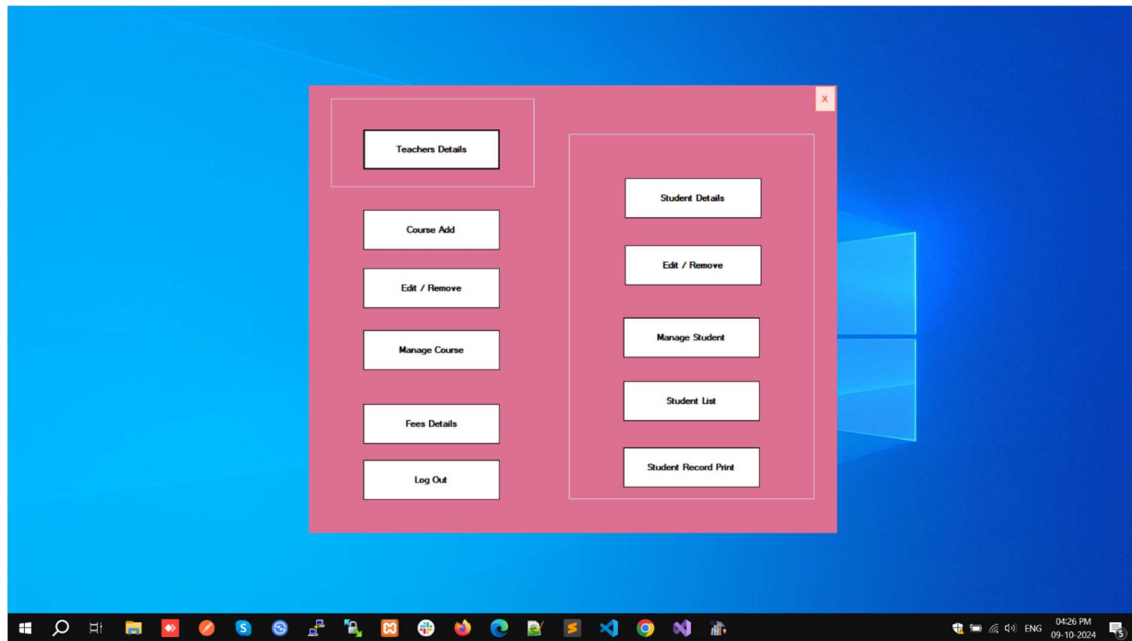
## ❖ AdminLogin



- In System, admin have to login first.
- The admin login allows authorized personnel to securely access the management system for overseeing student and course information.



## ❖ HomePage



- The home page includes buttons for Teachers, Students (Register, Edit/Delete, Manage, List, Print), Courses (Edit/Delete, Manage), Fees, and Logout for streamlined administration.

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## ❖ TeacherDetails

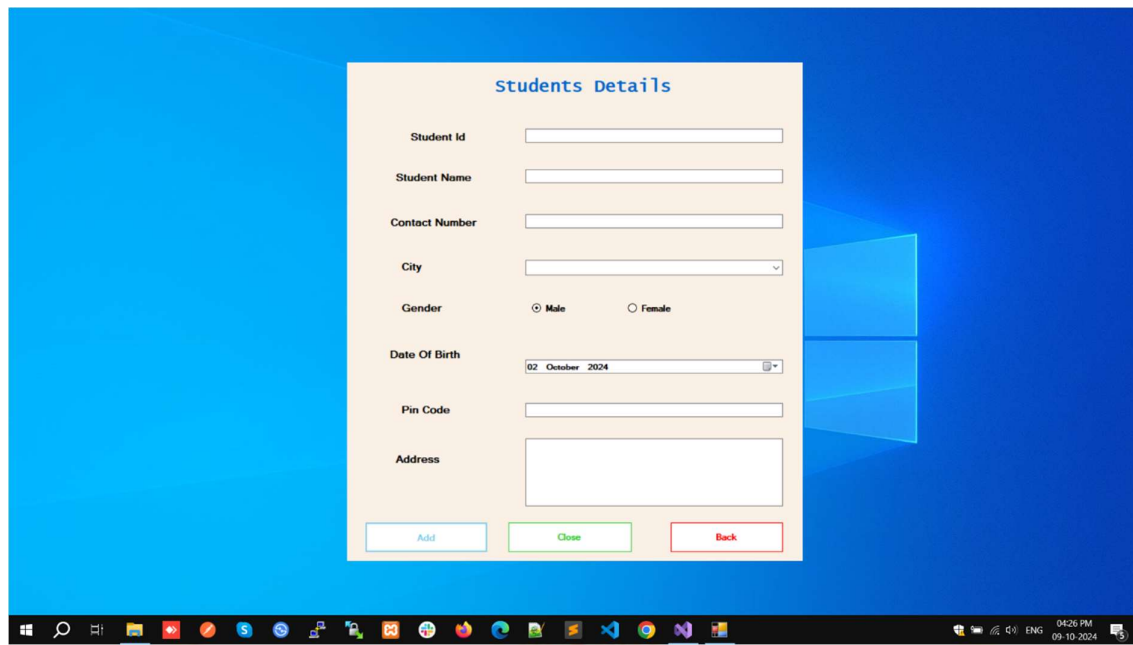
The screenshot shows a Windows desktop with a blue background. A window titled "Teachers Details" is open. It contains a form with the following fields: "Id" (value: 9), "Teacher Name" (value: Tanuja Varna), "Subject" (dropdown menu with "Javascript", "Android", and "Asp.Net" selected), and "Qualification" (value: MSCIT). To the right of the form are three buttons: "Add", "Update", and "Delete". Below the form is a table with the following data:

Id	teacher_name	subject	qualification
1	Tisha Patel	C++	BCA
2	Jaydeep Sapariya	Asp.Net	MSCIT
3	Urviha Sharma	Android	MCA
4	Taniya Kapadiya	Javascript	BCA
5	Virat Sharma	C language	BCA
6	Ketan Varna	Java	MSCIT
7	Janvi Tada	C#	MSCIT
8	Prem Tank	PHP	BCA
9	Tanuja Varna	Asp.Net	MSCIT

The Windows taskbar at the bottom shows various application icons and the system clock indicating 04:26 PM on 09-10-2024.

- The Teachers section displays a comprehensive list of all teachers, including their names, contact information, subjects taught, and available actions for editing or deleting their details.

## ❖ StudentDetails



The screenshot displays a Windows 10 desktop environment. A central application window titled "Students Details" is open. The window contains the following fields and controls:

- Student Id: Text input field
- Student Name: Text input field
- Contact Number: Text input field
- City: Dropdown menu
- Gender: Radio buttons for Male (selected) and Female
- Date Of Birth: Date picker showing "02 October 2024"
- Pin Code: Text input field
- Address: Text area
- Buttons: "Add" (blue), "Close" (green), and "Back" (red)

The desktop background is the standard Windows 10 blue. The taskbar at the bottom shows various application icons, including File Explorer, Microsoft Edge, and several other programs. The system tray on the right indicates the time as 04:26 PM and the date as 09-10-2024.

- The student registration section allows for the easy entry and management of new student details, including personal information and contact data.

## ❖ Edit/Delete

The screenshot shows a Windows desktop with a blue background. A purple window titled "Students Details" is open. It has a "Back" button in the top right corner. The form contains the following fields and buttons:

- Student Id: 101
- Student Name: SWETA
- Contact Number: 7990522254
- Address: AAAAA
- Gender: ☐ Male ☒ Female
- Pin Code: 360002
- Date Of Birth: 10 February 2005
- City: Rajkot
- Buttons: Search, Edit, Remove

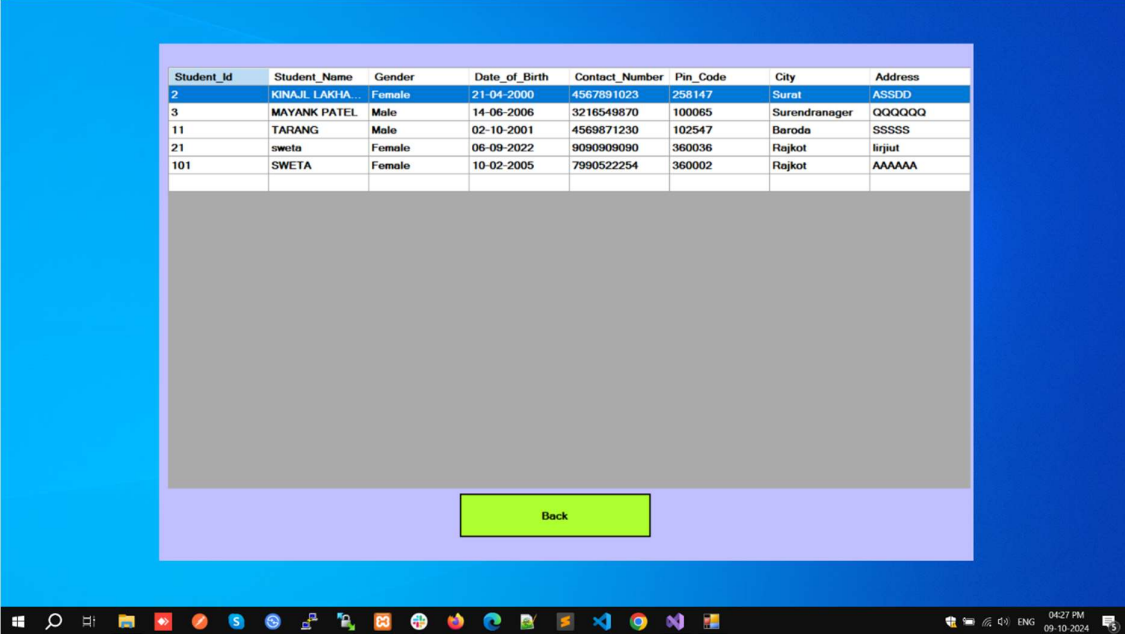
- The student edit/delete and search section enables admins to efficiently modify student information, remove records, and quickly find specific students using various search criteria.

## ❖ Manage Student

Student_Id	Student_Name	Gender	Date_of_Birth	Contact_Number	Pin_Code	City	Address
2	KINAJI LAKHIA	Female	21-04-2000	4567891023	258147	Surat	ASSDD
3	MAYANK PATEL	Male	14-06-2006	3216549870	100065	Surendranagar	QGGGGG
11	TARANG	Male	02-10-2001	4569871230	102547	Baroda	SSSSSS
21	sweta	Female	06-09-2022	9090909090	360036	Rajkot	Irjui
101	SWETA	Female	10-02-2005	7990522254	360002	Rajkot	AAAAAA

- The manage student section provides tools for admins to view, edit, delete, and organize student records, ensuring accurate and up-to-date information is maintained.

## ❖ StudentList



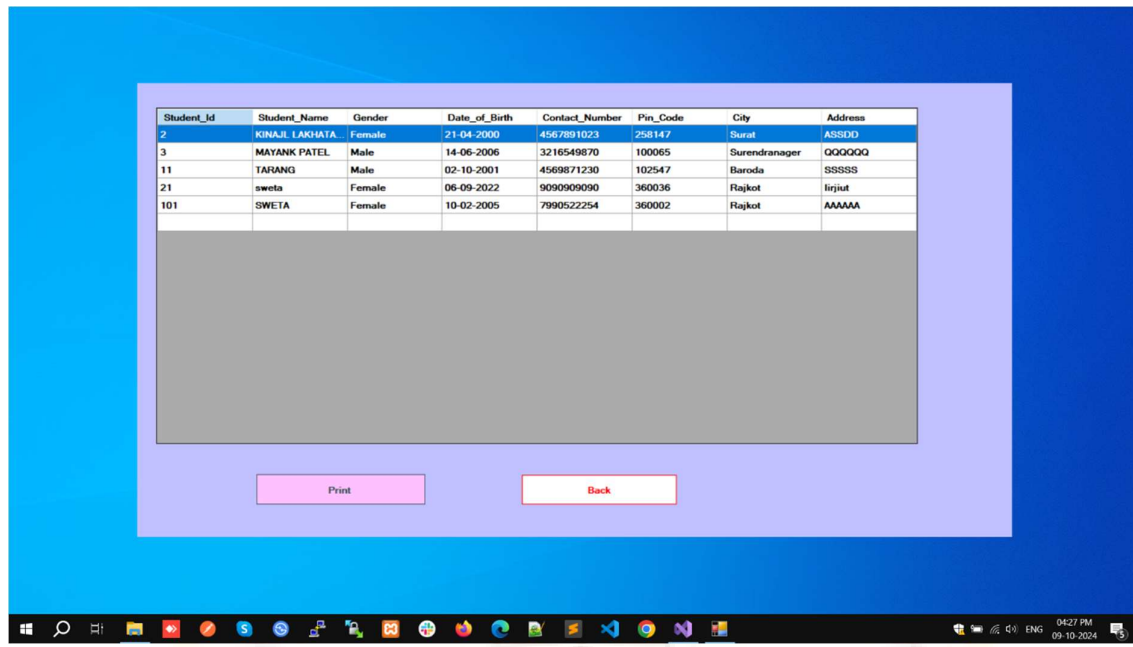
Student_Id	Student_Name	Gender	Date_of_Birth	Contact_Number	Pin_Code	City	Address
2	KINAJIL LAKHIA	Female	21-04-2000	4567891023	258147	Surat	ASSDD
3	MAYANK PATEL	Male	14-06-2006	3216549870	100065	Surendranager	QQQQQQ
11	TARANG	Male	02-10-2001	4569871230	102547	Baroda	SSSSS
21	sweta	Female	06-09-2022	9090909090	360036	Rajkot	lrjru
101	SWETA	Female	10-02-2005	7990522254	360002	Rajkot	AAAAA

Back

- The student list section displays a comprehensive overview of all registered students, including their details, and allows for actions such as editing, deleting, and printing student records.

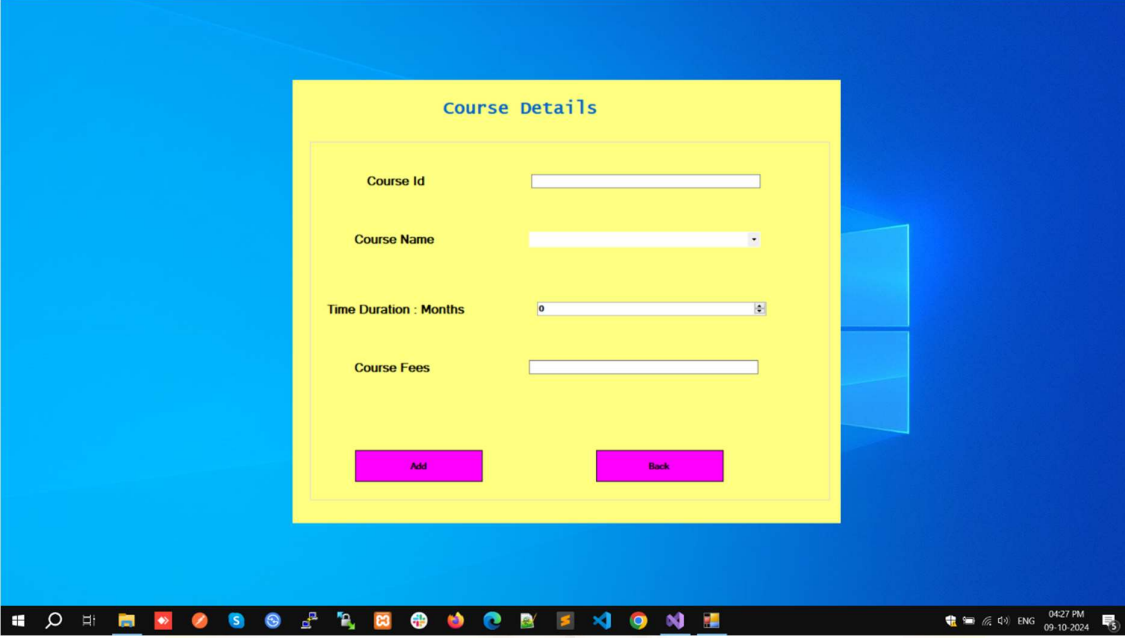
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## ❖ PrintStudent



- The print feature allows users to generate and print a formatted document of student records or details, providing a physical copy for reference or documentation purposes.

## ❖ Course



The screenshot shows a Windows desktop with a blue background. A yellow window titled "Course Details" is open. Inside the window, there are four input fields: "Course Id", "Course Name", "Time Duration : Months", and "Course Fees". The "Time Duration : Months" field has a value of "0". At the bottom of the window, there are two buttons: "Add" and "Back". The Windows taskbar is visible at the bottom of the screen, showing various application icons and the system clock indicating 04:27 PM on 09-10-2024.

- A course is a structured program of study that includes a specific subject, duration, and associated fees.



## ❖ Edit/Delete

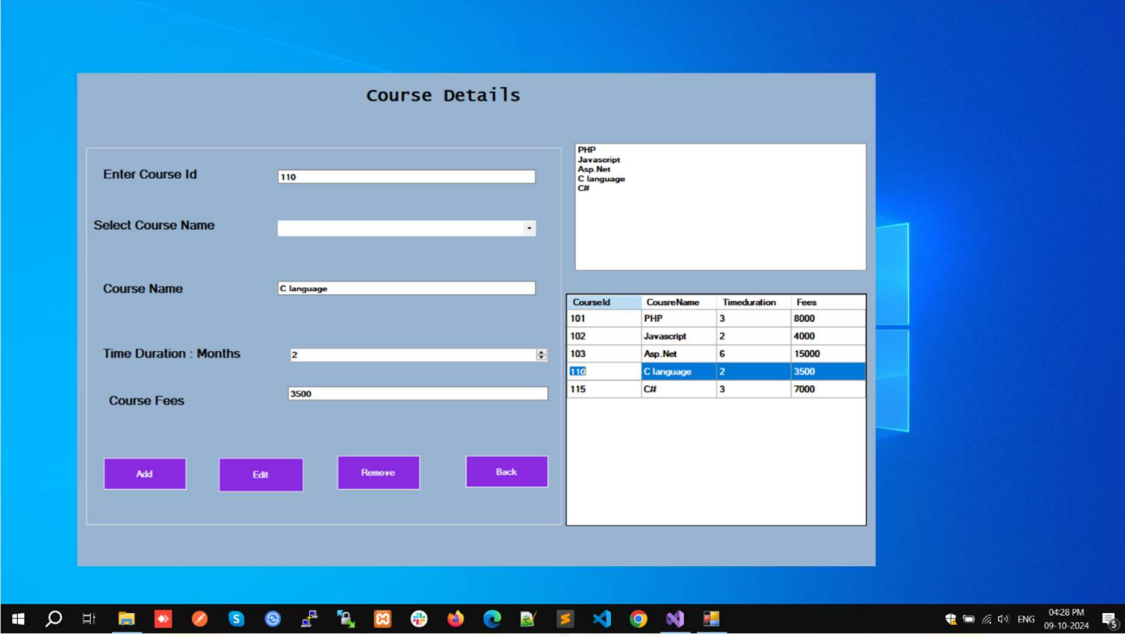
The screenshot displays a web application interface for managing course details. The main form, titled 'Course Details', is set against a light blue background. It includes several input fields: 'Enter Course Id' with the value '110' and a red 'Remove' button; 'Select Course Name' with a dropdown menu; 'Course Name' with the text 'C language'; 'Time Duration : Months' with the value '2'; and 'Course Fees' with the value '3500'. At the bottom of the form are two buttons: a green 'Edit' button and a red 'Back' button. To the right of the form is a table with the following data:

CourseId	CourseName	TimeDuration	Fees
101	PHP	3	8000
102	Javascript	2	4000
103	Asp .Net	6	15000
110	C language	2	3500
115	C#	3	7000

The Windows taskbar at the bottom shows the system clock as 04:27 PM on 09-10-2024.

- The **Edit/Delete Course** functionality allows users to update or remove course details, such as name, duration, or fees, ensuring accurate and up-to-date course information in the system.

## ❖ ManageCourse



The screenshot displays a web application titled "Course Details" on a blue background. The interface is divided into two main sections. The left section contains input fields for "Enter Course Id" (with value 110), "Select Course Name" (a dropdown menu), "Course Name" (with value "C language"), "Time Duration : Months" (with value 2), and "Course Fees" (with value 3500). Below these fields are four buttons: "Add", "Edit", "Remove", and "Back". The right section features a list of existing courses and a table. The list includes "PHP", "Javascript", "App.Net", "C language", and "C#". The table below it has columns for "CourseId", "CourseName", "TimeDuration", and "Fees". The table data is as follows:

CourseId	CourseName	TimeDuration	Fees
101	PHP	3	8000
102	Javascript	2	4000
103	App.Net	6	15000
110	C language	2	3500
115	C#	3	7000

- In the "Manage Course" functionality of your application, the user can add, edit, or delete course details.
- It allows for efficient handling of course information such as course name, duration, and fees.

## ❖ Fees

Student Id: 2

Student Name: KINAIL LAKHATARIYA

Course Name: Javascript

Course Fees: 4000

Fees Paid: 100

Remaining Fees: 3900.00

Final Paid Fee:

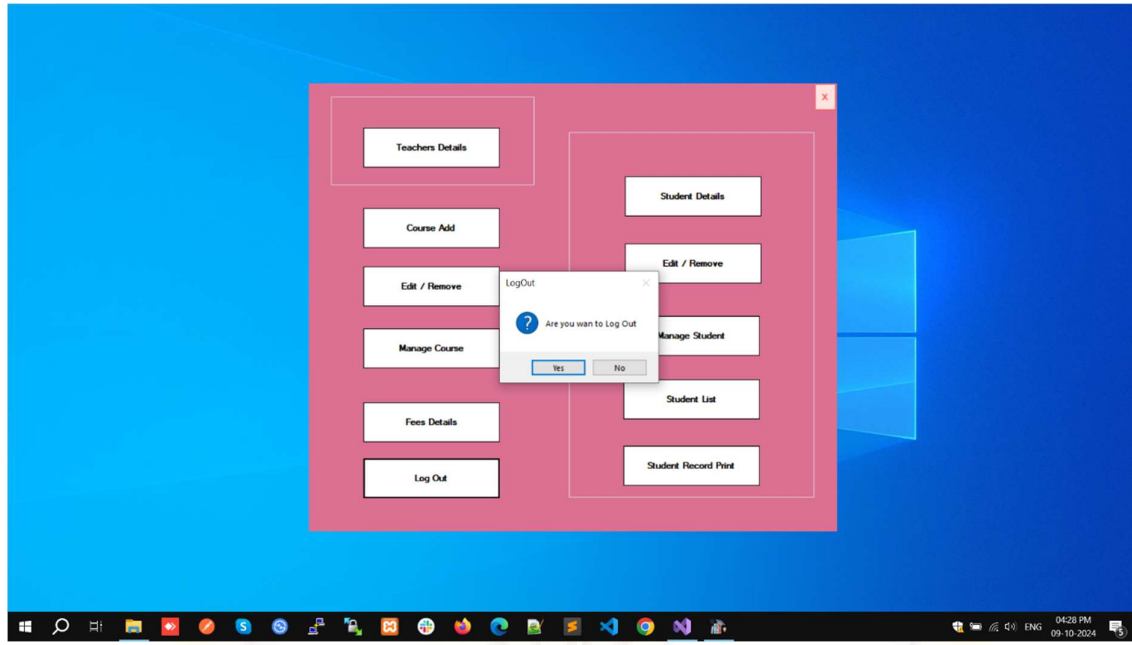
Print Back Paid

CourseName	Fees
PHP	8000
Javascript	4000
App Net	15000
C language	3500
C#	7000

Student_Id	Student_Name
2	KINAIL LAKHATARIYA
3	MAYANK PATEL
11	TAPANG
21	sweta
101	SWETA

- **Fees** refer to the amount of money required for a student to enroll in and complete a course. It includes tuition and any additional costs associated with the course.

## ❖ LogOut



- **Logout** is the action of securely exiting a user session from the application, ensuring that any personal or administrative data is protected and the system is returned to the login screen for the next user.

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## Future Requirements Of Projects

I will try to remove all the errors which is harmful for Website and will add new features with user friendly design in future.

So I try my best to project more effective and give the batter facility.



## LIMITATIONS OF PROJECT

The project has limitations such as single admin access, limited scalability, no cloud support, basic reporting, and minimal customization options.

These limitations might make it harder to adapt the system as needs change in the future.



## BIBLIOGRAPHY

- [www.google.com](http://www.google.com)
- [stackoverflow.com](http://stackoverflow.com)

