

PROJECT REPORT ON SCHOOL MANAGEMENT SYSTEM

Under the supervision of: **RAJESH KUMAR SINGH** (Database Architecture)

PROJECT REPORT SUBMTTED TO INDIRA GANDHI NATIONAL OPEN UNIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF

BACHLOAR OF COMPUTER APPLICATION

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Project Proposal Proforma

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5. Industrial/	Teaching experience	of the Guide (in Years)	10+ years
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Certificate of Originality

IX CERTIFICATE OF ORIGINALITY

This is to certify that the project report entitled School Management System submitted to Indira Gandhi National Open University in partial fulfilment of the requirements for the award of the degree of BACHELOR OF COMPUTER APPLICATIONS (BCA), is an original work carried out by Mr./ Ms. Ahives h kumar Lharman Enrolment No.: 2108238925 under the guidance of Mr./ Ms. Ragesh kumar Lingh

The matter embodied in this project is a genuine work done by the student and has not been submitted whether to this University or to any other University / Institute for the fulfilment of the requirement of any course of study.

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Technology Specialist

RAJESH KUMAR SINGH
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Objective:

Database architect with 14+ years of extensive experience in capacity planning, data modeling, server administration, database development, data analysis & providing cloud-based solutions. Hands on experience on MS SQL Server, MS AZURE, AWS, MySQL & Oracle technologies. Having strong server administrative skills and providing solutions for complex database architecture, Query Optimization & Performance issues.

SQL Server Implementation

SQL Server DBA Developer

Customization/ Migration

Documentation

SNAPSHOT

- ⇒ Over 14 years of IT experience as Database Administrator/Architect in MS SQL Server 2019, 2017, 2016, 2014, 2012, 2008, Oracle 9i and MySQL Databases in Banking, Insurance, and education domain.
- ⇒ Currently designated as Database Architect in CIGNEX Datamatics, Gurgaon from April 2017
- Onsite: Environment Agency, Abu Dhabi July 2010 to December 2010 SQL DBA/Developer.
- ⇒ Having experience in providing cost-effective infrastructure solutions (onpremises & clouds) for new project and accessing & providing suggestions to scale the existing infrastructure for existing applications/projects. Currently handling multiple projects and one on-going POC for new client.
- ⇒ Having good understanding of cloud-based solutions like Azure & AWS and working closely with DevOps team to on-boarding required infra- structure by calculating cost using AWS calculator.
- ⇒ Possess in-depth understanding in installation, database migration, log, database creation & monitoring MS SQL Server 2019, 2017, 2016, 2014, 2012, 2008R2, 2005 and 2000.
- A keen planner and implementer with skills in configuring, scheduling, and administering routine jobs, tasks, alerts and
- ⇒ maintenance Plans for maintaining database consistency and integrity.
- ⇒ Experience on Query Optimization, Performance tuning, Index Defragmentation, and use of Dynamic Management Views/Functions.
- As a database expert, having hands-on experience in Data Modeling, Database performance tuning and Query optimization, Data Integration, Data Security, Data Governance and Data Visualization and Reporting, Scalability and High Availability of database.
- Expertise in Data Migration (On premise to Cloud (Azure & AWS RDS) & Server up gradation activity, migrated multiple databases from SQL version 2008/2005 to SQL Server 2012/2014/2016/2017/2019. Upgraded servers from 2008/2012 to 2014/2016/2017/2019 for various clients and troubleshoot the issues during up gradation. Migrated SQL Server database to MySQL to reduce the organization cost & migrated the complex database process into the Python to reduce dependency on database.
- ⇒ Experience on MSSQL-SSIS/SSRS, Database Migration
- ⇒ Experience on Configuring, Managing, Monitoring, and Troubleshooting MS SQL Server.
- ⇒ Database Development experience with large databases
- ⇒ Strong SQL server **Developer skills** including writing stored procedures, user defined functions, views, Triggers to facilitate efficient data manipulation and data integrity.
- ⇒ Worked on the physical modeling of the database which involves creating the database objects like Tables, Views, Indexes, Triggers, Stored Procedures, and Functions etc.
- ⇒ Involved in performance tuning of Stored Procedures, Data Compression, Triggers, User Defined Functions and inline SQL scripts.
- ⇒ Experience in writing T-SQL scripts and Distributed Queries on linked servers for different database utilities.
- ⇒ SSIS (Data migration from multiple data sources, created SSIS package for client use, ETC.) & SSRS
- ⇒ Knowledge over Eagle Pace Tool (**ETL Tool**)
- ⇒ Experienced in writing and testing Queries, Views, Triggers, and Stored Procedures in SQL Server.
- ⇒ Expertise in developing Test Scenarios, Test Plan, Triggers and Test Scripts.

TECHNICAL KEY SKILLS

DATABASE DEVELOPMENT:

T-SQL, SQL Server Development, Query Optimization, Stored Procedures, Functions, Data Modeling,

Triggers, ETL, SSIS/BI and SSRS.

DATABASE ADMINISTRATION:

SQL Server Setup, Installation, Version Upgrade & Architect Setup

Implementing and Maintaining Log Shipping, Mirroring, Always On, Distributed Always On.

SQL Server Hardening & Best Practice Implementation

Design and Implement Database Backup Restore & Disaster Recovery Strategy

Database Archiving / Partitioning

Performance Tuning Execution plan, Profiler, Performance Monitor and Extended Events

Good Knowledge of **Power Shell** Script Setting up Base lining and Capacity Planning

SQL Server Hardware sizing and bottleneck tuning

Data Transfer / Transformation / Migration

Plan, Design and Scheduled Database Maintenance & Administrative Tasks

Configuring Replication / Data Synchronization

SQL Server Database Monitoring with DDL Triggers, SQL Server Profiler, Event Notifications

Schedule SQL Jobs, SQL Server across multiple Servers

Database reporting tools : SQL Server reporting services (SSRS).

Programming Language : C#.NET, VB.NET, VB 6.0, C

Platform : Windows 2000/2003/XP/win7/Linux.

Web Technologies : ASP, ASP.NET 1.1/2.0/3.5, HTML, XML, and Java Script. Reporting Tools : Crystal Report, Data Report and SQL Server reporting

Server : IIŚ.

Tools : VSS (Visual Source safe)/CVS/GIT

Database Backup Tools : NetBackup, DDBoost

Monitoring Tools : Patrol Monitoring, New Relic ETL Tools : SSIS, Talend, Learning ADF.

CERTIFICATION

Microsoft SQL 2012 DBA Certification

FUNCTIONAL

SQL Server Implementation:

SQL SERVER Experience

- ⇒ A technical professional with functional expertise in Database Administration of 9+ years' experience
 in high availability, database backup & recovery and database design & management and extending
 support to technical teams.
- ⇒ Possess in-depth understanding in installation, database migration, log, database creation & monitoring MS SQL Server 2019/2017/2016/2014/2012/2008R2.
- ⇒ A keen planner and implementer with skills in configuring, scheduling, and administering routine jobs, tasks, alerts and
- \Rightarrow maintenance Plans for maintaining database consistency and integrity.
- ⇒ Excellent communication, collaboration & team building skills with proficiency at grasping new technical concepts quickly and utilizing the same in a productive manner.
- ⇒ Experience on Query Optimization, Performance tuning, Index Defragmentation, and use of Dynamic Management Views/Functions (DMV).
- ⇒ Experience on MSSQL-SSIS/SSRS, Database Migration.
- \Rightarrow Experience on Configuring, Managing, Monitoring, and Troubleshooting MS SQL Server.
- ⇒ Database Development experience with large databases
- ⇒ Very comfortable in Stored procedures, Functions, Triggers and Cursors.
- ⇒ Having good knowledge on SSIS, SSRS and SSIS Package Development.
- ⇒ Migration of SQL Server to SQL Server 2019/2017/2014/2012/2008/2005.
- ⇒ Cloud database migration from On promise SQL, MYSQL, Oracle to AWS & Azure SQL.
- ⇒ ETL and business intelligence use for copying objects from another server, etc.
- ⇒ Managing implementation of SQL Server & All Modules.
- ⇒ Developing functional and technical specifications.
- ⇒ Setting up of master files and function locations; importing the relevant data.
- ⇒ Developing all relevant reports per user requirements including maintenance notifications, activity, and malfunction reports.

Description: Experience our Can-Do Third-Party Logistics Worldwide. We provide end-to-end supply chain solutions worldwide that include:

- ⇒ Solutions Design Procurement Services
- ⇒ Consolidation/Origin Services
- ⇒ Freight Forwarding (ocean and air)
- ⇒ International Transportation (road and rail)
- ⇒ Customs Brokerage
- ⇒ Contract Manufacturing
- ⇒ Warehousing and Distribution
- ⇒ Contract Packaging
- ⇒ Staffing
- ⇒ Deconsolidation
- ⇒ Freight Management
- ⇒ Transportation Services
- ⇒ Dedicated Contract Carriage

Onsite Projects:

Project: SSI (Sustainable Schools Initiative)
Website: http://sustainableschools.ead.ae/

Client: Environment Agency - Abu Dhabi (UAE)

Platform: C#.net **Tools:** Visual Studio

Database: MSSQL 2005/2008 **Period:** Dec'08 – Jun '09

Role: Involved in Database Design, Performance Tuning, Query Optimization, Complex Query Design, Stored Procedure Writing, Function Writing, Trigger Writing, Database Migration & DBA activities etc.

Description: "AL MADARIS AL MUSTDAMA" or Sustainable Schools is a whole school initiative that addresses students, parents, teachers, administrative staff and maintenance staff eventually linking them to the larger community. The components of the project are interactive and participatory. Traditional systems confer teachers with the role of being both the Problem Setter and the Solution Provider. In this initiative teachers become facilitators and encourage student to discover solutions independently. By participating in this initiative your school would get an opportunity to

- a) Assess its own environmental impact and be able to address it
- b) Empower students to reach out to the community
- c) Provide training and resource material for teachers and learn new skills for imparting effective environment education in their classrooms
- d) Expose students to hands on field experience.

This program would not only help reduce your school's ecological footprint but actually will help increase your 'ecological handprint', which are actions towards achieving sustainability. While schools strive to inculcate strong environmental ethics and behavior amongst the students, participating in this program would help your school assess your environmental performance standards as each component of the initiative has a specific scoring Weightage.

Project: RPDB (Resource Person Management System)

Website: http://cseindia.org/rpdb

Client: CSE INDIA
Platform: C#.net
Tools: Visual Studio
Database: MSSQL 2005
Period: Jul '09 - Dec '10

Role: Involved in Database Design, Performance Tuning/Query Optimization, Complex

Query Design, Stored Procedure Writing, Function Writing, Trigger Writing, Database Migration & DBA activities etc.

Description: The purpose of this project is managing contact information of contact list. This project has archive of duration 1990-2002. This project manage 1.5 million no of customers. If operator want to search from old data then choose archive. This project is maintaining history of data.

Project: Manufacturing, Store and Management System

Platform: VB.net Tools: Visual Studio Database: MSSQL 2005 Period: Oct '07 – Dec '08

Organizational Experience

Since Aug, 2016 – Apr, 2017 Associated with Kuoni Global Services, Gurgaon as Lead Database & Development.

Since Aug 2015 – Aug 2016 Associated with MediaAgility Private Limited, Gurgaon as Senior Software Engineer/DBA.

Since Aug 2014 – Jun 2015 Associated with Polaris Financial Technology Limited, Gurgaonas Database Lead.

Since May 2013 - Aug 2014 Associated with PolicyBazaar.com, Noida as Senior DBA

Since Aug 2012 – Apr 2013 Associated with R Systems International, Noida as Senior Software Engineer.

Since Jan 2012 – Aug 2012 Associated with MediaAgility Private Limited, Gurgaon as Senior Software Engineer.

Since Nov 2008 - Jan 2012 Associated with CSE INDIA, Delhi as Sr. Programmer.

Sep 2007 - Nov 2008 Associated with PACL India Limited, Delhi as Software Engineer.

Onsite:

Since Jul 2010 – Dec 2010 Associated with Environment Agency, Abu Dhabi (UAE) as SQL Server DBA.

Key Skills:

- ⇒ Back End: SQL Server 2019/2017/2016/2014/2012/2008/2005/2000, Oracle 9i & MYSQL
- ⇒ Report: SQL Server Reporting services (SSRS), Crystal Report.
- ⇒ Front End: ASP.NET, C#. NET, VB.NET.
- ⇒ Monitoring Tool: Petrol, New Relic, Red gate, SQL Sentry
- ⇒ Migration Tools: DMS, SQL Server Migration Assistant, Data Migration Assistant

Project: ORC Agency

Client: AON

Platform: ASP.NET/VB.NET **Tools:** Visual Studio, SSRS, SSIS

Database: MSSQL 2017 **Period:** Jun'17 – Dec '19

Role:

Database design (i.e. design conceptual, logical and physical data models via Oracle Data modeler)

Installation and configuration of SQL server 2019.

Migrate data from legacy systems (2008R2) to new solutions (2019) Analyze structural requirements for new software and applications.

Improve system performance by conducting tests, troubleshooting, and integrating new

elementsOptimize new and current database systems.

Define & configure security and DB maintenance (Index, Statistics, backup, etc.).

Responsible for providing 24 X 7 critical production support of all associated production & nonproduction (UAT, OA & DEV) SOL instances for high availability & performance concerns.

Responsible for ongoing enhancement from database perspective.

Description: This Software is developed for maintaining the Details of Field Associates. Company deals with different kind of fixed deposit, recurring deposit. The Purpose is to minimize the Paperwork and Calculation. Distribution of Incentive on the business brought by junior is distributed in the Chain of Senior. It makes the Chain of Agents having different designation. Used to Calculate the Regular Incentive, Special Incentive, etc. It also deals with sending the vouchers to Incentivein MDB at several Branches.

Project: Property service and Claim Documentation

Client: AON
Platform: VB.NET
Tools: Visual Studio
Database: MSSQL 2019
Period: Jan'20 – Dec '20

Role:

Database design (i.e. design conceptual, logical, and physical data models via Oracle Data modeler)Installation and configuration of SOL server 2019.

Analyze structural requirements for new software and applications.

Improve system performance by conducting tests, troubleshooting, and integrating new elementsOptimize new and current database systems.

Define & configure security and DB maintenance (Index, Statistics, backup, etc.).

Responsible for ongoing enhancement from database perspective.

Description: The purpose of project to calculate maturity, benefit & claim amount as per financial year plan association with policy. If we can talk high level architecture of this project. Its equivalent to the LIC (Life insurance Corporation) along with multiple add-ons features. In this application, start from the policy registration and end till claim settle all inline activity/action/alert/events manages. empowers organizations and individuals to secure a better future through innovative talent, retirement. It shows workers how to navigate retirement risk while providing new levels of financial security.

Project: FINT (Financial-Tracking)

Website: http://www.financial-tracking.com

Client: Financial Tracking, LLC, United State of America (USA)

Platform: Python Database: MSSQL 2012 Period: Sep'15 - Aug '16

Role: Performance Tuning, Code review of DB objects, Database Modeling, Complex procedure writing and Index maintenance. Database design (i.e. design conceptual, logical, and physical data models via

Oracle Data modeler)

Description:

In FINT, I delivered below items/modules with end-to-end Development and Release.

- New report framework Design and Developed (Back-end) and Dynamic document Module report migrated into new framework.
- SSIS Packages framework design, Developed and Optimized up to 60%.
- New communication model developed and design.
- In Portfolio suitability module, I suggested logic for back date Batch processing.
- Many ETS module batch procedures optimized.
- Activity Centre module, new data model design, developed and handle old existingdata.
- Implemented shared data source and single solution for all SSRS reports and SSIS packages for easy and fast re-deployment.
- User defined data type implemented for [Entity_ID], in future character length modification required then only need to change in one place.
- Rule Group Module, Synchronized modification from [User Setup] and Rule Group.
- Worked for (Client: Freddie) specific changes, Dynamic document creation and report changes

Project: FLARE (Financial Local Accounting & Regulatory Environment)

Website: http://RBS.com/

Client: Royal Bank of Scotland (RBS)

Platform: C#.Net

Database: MSSQL 2008 R2 **Period:** Sep'14 – Apr '15

Role: PowerShell/T-SQL scripting, Performance Tuning/ Query Optimization, Data Compression, Complex

Query Design, SSIS, DTS and SSRS development

MS SQL DB server Datacenter migration, Implemented best backup checks policy

Log shipping/Replication/Mirroring/SQL internals.

Login, User and linked server creation and permission grant.

Scheduling and monitoring SQL job.

Description: Financial Local Accounting and Regulatory Environment (FLARE) is a business process or technology to produce local reporting for each GBM country. It takes feeds from the strategic sub-ledger and processes data to meet regulatory, statutory, tax and other reporting requirements. FLARE is designed to achieve its objectives of Local GAAP and Regulatory reporting.

Key objectives:

Reduce control risk and increase efficiency.

Allow automation of Local regulatory reporting process, either regionally or locally

Ensure that the solution provides value without increasing the extent of inter-system reconciliations Implement a strategic environment which facilitates the production and capture of local GAAP data.

Using granular local GAAP data, automate the production of reports required by local authorities Enhance efficiency via straight-through processing and automate reconciliation controls Improve responsiveness to regulatory change.

Standardize Finance local processes and retire bespoke EUDA and local solutions.

Empower local users with users to facilitate analysis and effectively address local regulatory queries.

- ⇒ Solutions Design Procurement Services
- ⇒ Consolidation/Origin Services
- ⇒ Freight Forwarding (ocean and air)
- ⇒ International Transportation (road and rail)
- ⇒ Customs Brokerage
- ⇒ Contract Manufacturing
- ⇒ Warehousing and Distribution
- ⇒ Contract Packaging
- ⇒ Staffing
- ⇒ Deconsolidation
- ⇒ Freight Management
- ⇒ Transportation Services
- ⇒ Dedicated Contract Carriage

Project: PolicyBazaar

Website: http://www.policybazaar.com

Client: Policy Bazaar (INDIA)
Platform: C#.Net, ASP.NET
Database: MSSQL 2012
Period: May'13 – Jul '14

DBA Role:

Transactional Replication: Data Distribution and reporting purpose

Mirroring: High Availability Log-shipping in Standby mode Backup Policy, Maintenance plan

Performance counter added for knowing status of log space & fix.

Index maintenance

Troubleshooting of SQL issues and queries. Datacenter migration, Partitioning/shredding

Development Role:

PowerShell & T-SQL scripting, Performance Tuning/ Query Optimization, Data Compression, Complex Query Design, Creating Report in SSRS

Description: Here at Policy Bazaar, we are committed to simplify your search for insurance and financial solutions, thus saving you from hassles and headaches. And the best thing; you don't have to pay a dime for our services.

<u>Life Insurance</u> – Buy a Life Insurance and protect your loved ones against the uncertainties of life.

Term Plans – Show your family how much you care. Term Insurance needs you to pay a nominal premium amount for a specified term and you get a substantial sum assured for your family. Choose from a number of options with flexibility of premium, cover amount, addition of riders, etcetera.

<u>Car Insurance</u> – Wearing your seat belt might not be enough, buy car insurance before you take off on the road.

<u>Health Insurance</u> – Put your health first, always. Choose from a wide range of health insurance plans for self and your family.

<u>Travel Insurance</u> – You never know what might come upon you whilst abroad. Whether you are on a vacation or a business visit put your mind at ease by getting insured before you set off on your expedition.

Project: Jacobson Logistics

Website: http://jacobsonco.com/

Client: Jacobson (USA)
Platform: C#.Net

Database: MSSQL 2008 R2 **Period:** Aug'12 – Mar '13

Role: Stored Procedure Writing, Function Writing, Trigger Writing, Performance Tuning/ Ouerv

Optimization, Data Compression, Complex Query Design, Creating Report in SSRS

Database Migration & all DBA activities

Role: Involved in Database Design, Performance Tuning/ Query Optimization, Complex Query Design, Stored Procedure Writing, Function Writing, Trigger Writing, Database Migration & DBA activities etc.

Description: A Windows Desktop Application deals with Mattress manufacturing and maintaining the material store for raw, semi-finished and finished Materials. Also has provision for jobbers etc.

Project: Integrated Solution for PACL INDIA LIMTED

Platform: VB.net Tools: Visual Studio Database: MS SQL 2005 Period: Oct '07 – Nov '08

Role: Involved in Database Design, Performance Tuning, Query Optimization, Complex Query Design, Stored Procedure Writing, Function Writing, Trigger Writing, Database Migration & DBA activities etc.

Description:

Functional modules Maintain Support

- Business Module running at 200 Customer Support Centers all over India (web based).
- Business Module running at Head Office.
- Human Resource, it also includes performance appraisal module.
- Store and Purchase
- Daily base taking file CSV file and upload in `main server those servers use for full and final
 ofthe case.

Project: PMR (Performance Monitoring Report)

Platform: VB.NET

Database: SQL Server 2000 **Period:** Jun '11 – Jan '12

Role: Involved in Database Design, Performance Tuning, Query Optimization, Complex Query Design, Stored Procedure Writing, Function Writing, Application Development etc.

Description: This project managing weekly, monthly, quarterly, and yearly report and appraisals report

also.

Project: TAS (Transporters Automation System)

Platform: VB 6.0 Database: MSSQL 2005 Period: Jun '07 - Dec '08

Role: Involved in Database Design, Performance Tuning, Query Optimization, Complex Query Design, Stored Procedure Writing, Function Writing, Trigger Writing, Database Migration & DBA activities etc.

Description: The objective of this project is to develop an automation system to meet the requirements of transporters. The system is required to provide a cost effective and efficient solution for maintaining information related to transport business and generating various reports, that will help transporters in making decisions.

- Maintain party records.
- Maintain other transporters records.
- Maintain employee records.
- Maintain information about trucks.
- Maintain trip details.
- Keep track of payments given and payments received.
- Maintain details of various expenses.
- Compute salaries of employees.
- Keep track of court cases and dates.
- Keep track of CHALLAN and CHALLAN dates.
- Providing various reports to transporter for decision-making.
- Generating bills for parties.
- To provide security to the system against unauthorized persons.

Academia

- ⇒ M.C.A. (Master of computer Application) from IGNOU. New Delhi in 2008.
- ⇒ PGDCA (Post Graduate Diploma in computer Application) from IGNOU. New Delhi in 2004.
- ⇒ C.I.C (Certificate in Computing) from IGNOU. New Delhi in 2003.
- ⇒ **B. Sc. with Math (H)** from J.P. University in 2002.
- ⇒ Microsoft SQL 2012 DBA Certification
- ⇒ A.D.C.A (Advance Diploma of Computer Application) from IGNOU. New Delhi in 2007.
- ⇒ P.G.D.C.À (Post Graduate Diploma of Computer Application) from IGNOU. New Delhi in 2006.

Personal Dossier

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New Delhi-110059

(Near DWARKA More Metro Station)

Reference

Available on request

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FRONT PAGE



School Management System

INTRODUCTION

This software is a **desktop application** compatible with various Windows platforms such as XP, 2007, 2008, and 2010. Its primary purpose is to streamline administrative tasks within schools, particularly in managing student and teacher records stored in databases.

The project aims to address the challenges associated with maintaining student and teacher information using traditional file systems. With this application, school administrators can efficiently handle a wide range of activities, making the process more manageable compared to manual record-keeping.

Designed to cater to schools like "**GYAN NIKETAN PUBLIC SCHOOL**" in New Delhi, which accommodates over 10,000 students, around 50 teachers, and numerous administrative staffs, the software significantly simplifies the critical task of record management.

Utilizing Java Swing for the frontend and MySQL for the backend, the system ensures both security and ease of use. Java Swing is known for its robustness and simplicity, while MySQL provides a powerful platform for managing databases.

The "**School Management System**" facilitates various tasks such as student admissions, teacher recruitment, attendance tracking for both students and teachers, fee management, updating student and teacher information, recording student marks, and checking student results.

OBJECTIVE

In today's world, computers play a vital role in organizations due to their ability to efficiently handle large volumes of data compared to humans. They enable users to access information promptly when needed.

Consider a school that has been operating for 17 years with a significant number of students. Managing and accessing information about the school promptly becomes challenging for the management. Introducing a computer system into the school's operations would greatly streamline data management and access.

The primary aim of implementing a **School Management System** project is to effectively handle various aspects of the school such as student, class, teacher, and course details. This system facilitates the management of school-related information, including registrations and courses, primarily from an administrative standpoint, with access limited to authorized personnel. By automating tasks, the project seeks to reduce manual workload associated with managing schools, students, registrations, and classes. It covers a wide array of functions including tracking class details, teacher and student information, results, and attendance.

The objectives of the School Management System include:

- **Revenue Management:** Efficiently handle financial aspects of the school.
- Admission Management: Streamline the process of admitting students.
- Reducing Communication Gaps: Enhance communication within the school community.
- **Monitoring Student Performance:** Provide tools for tracking and analyzing student progress.
- Organizing and Simplifying Everyday Tasks: Streamline routine administrative tasks.
- **Centralized Data Access:** Ensure easy access to comprehensive data for authorized personnel.
- **Time Table and Attendance Management:** Facilitate scheduling and monitoring of attendance records.

In essence, the School Management System aims to leverage computer technology to improve the efficiency and effectiveness of school administration, ultimately benefiting both the staff and students.

OBJECTIVE

*Hardware Requirement:

Processor
 Intel i3 and Above

Processor Speed 2.5 GHZ

Hard Disk Space Minimum 500 GB

RAM Memory Minimum 4 GB

*Software Requirement:

Operating System Windows 7 And Above

Database MySQL

Frontend NetBeans

Language JAVA

Language Method Swing

Server wamp serve

*WHY FRONT-END JAVA: -

• Front-end Java is preferred for several reasons, one being its platform independence. Unlike languages such as C and C++, which compile into platform-specific machine code, Java compiles into platform-independent bytecode. This bytecode can be distributed over the web and interpreted by the Java Virtual Machine (JVM) on any platform it's being executed on. This means that Java applications can run seamlessly on various operating systems without the need for recompilation, making them highly versatile and accessible across different devices and environments.

- Java is an object-oriented programming language, which means that it structures software as a collection of objects, each containing both data and behavior. This approach enhances code organization and reusability.
- Java is renowned for its robust security features, making it possible to develop systems that are resistant to viruses and other malicious attacks.
- Java supports distributed computing, allowing developers to create applications that can operate across multiple networked systems seamlessly.
- In Java, a thread represents a separate path of execution within a program, enabling the execution of multiple tasks concurrently. Multi-threading in Java offers the advantage of efficient memory usage by sharing a common memory area among threads. Threads are particularly useful for tasks such as multimedia processing and web applications.
- Java is considered a dynamic language as it supports dynamic class loading, allowing classes to be loaded into memory as needed. Additionally, Java provides support for functions from other languages such as C and C++, enhancing its versatility and interoperability.

*WHY FRONT-END JAVA: -

MySQL is a relational database management system (RDBMS) that utilizes the Structured Query Language (SQL) for querying and managing data stored in tables. SQL is the standard language for interacting with relational databases, making MySQL widely accessible and easy to use for data manipulation tasks.

Being open-source and freely available under the GNU license, MySQL is highly popular among developers and organizations for its cost-effectiveness and flexibility. It is supported by Oracle Corporation, further ensuring its reliability and continued development.

Feature of MySQL: -

- MySQL is user-friendly and requires only a basic understanding of SQL for building and interacting with databases. With just a few simple SQL statements, users can create, retrieve, update, and delete data within MySQL databases effortlessly.
- MySQL is freely available for download from the official MySQL website, making it accessible to everyone without incurring any costs.

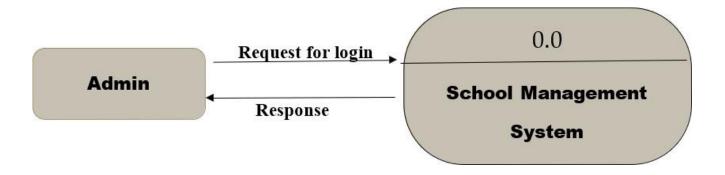
- MySQL is recognized for its high performance, supported by numerous benchmark tests.
- MySQL offers features like Triggers, Stored Procedures, and Views, which enhance developer productivity by providing advanced functionalities for database management.

Java Swings: -

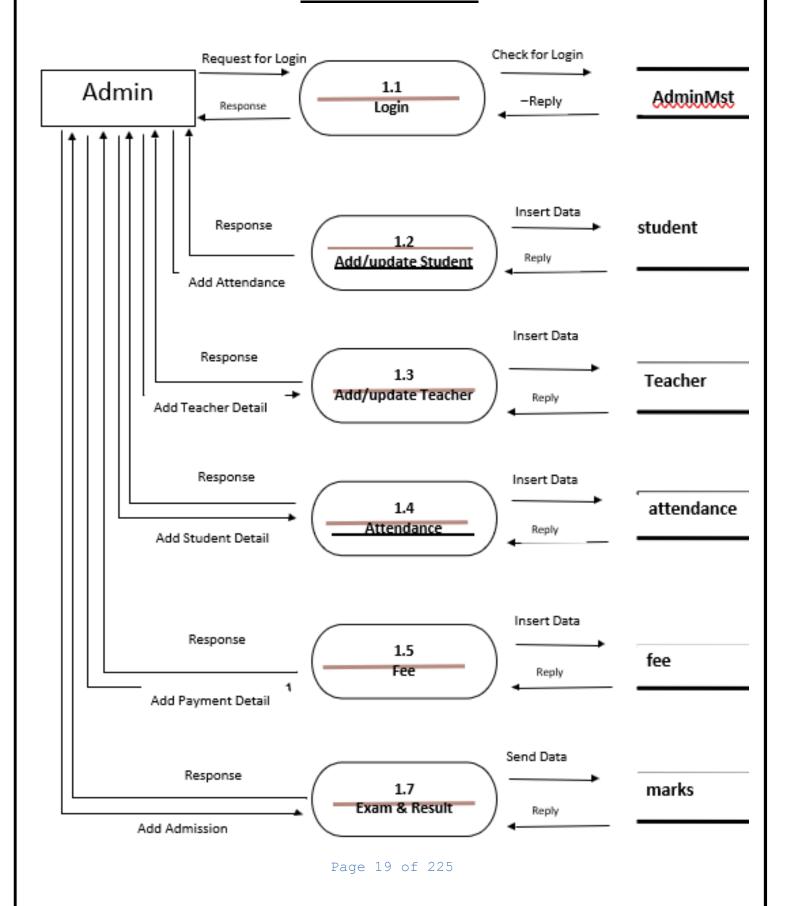
Java Swing, a component of Java Foundation Classes (JFC), is utilized for developing window-based applications. It is constructed upon the AWT (Abstract Windowing Toolkit) API and is entirely implemented in Java. Given that our application is designed for Windows environments, Java Swing is chosen as it facilitates the creation of graphical user interface (GUI) for Windows applications.

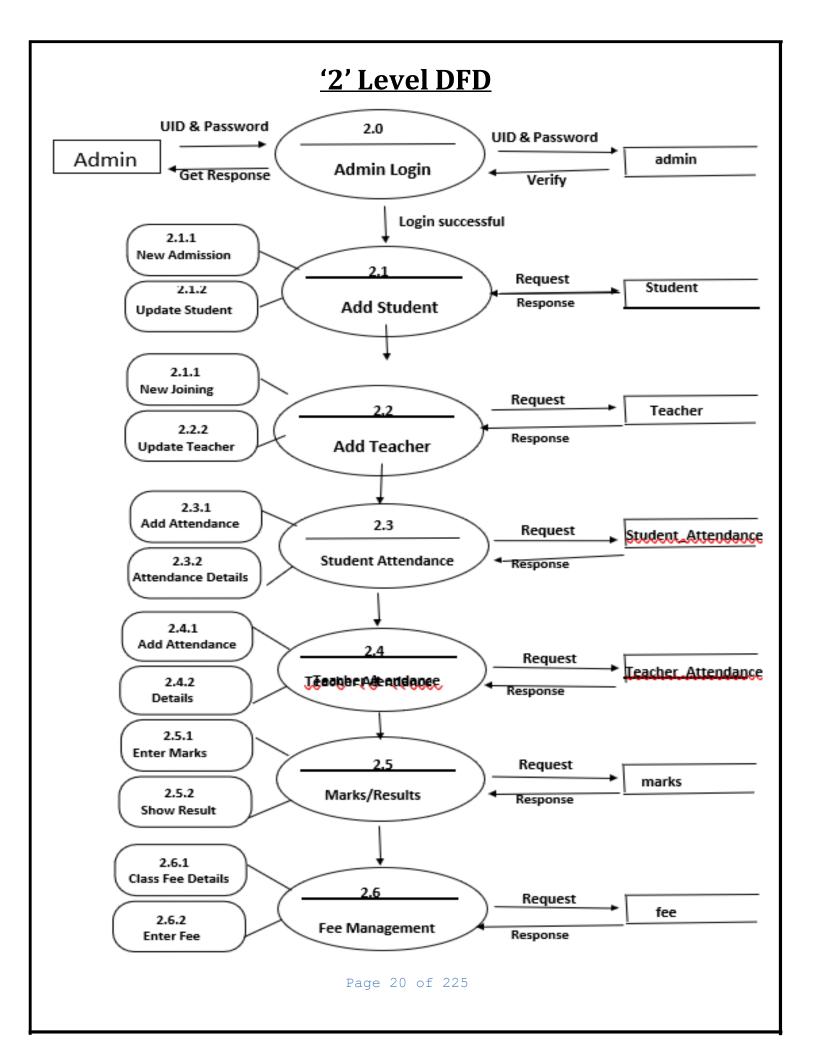
DATA FLOW DIAGRAM

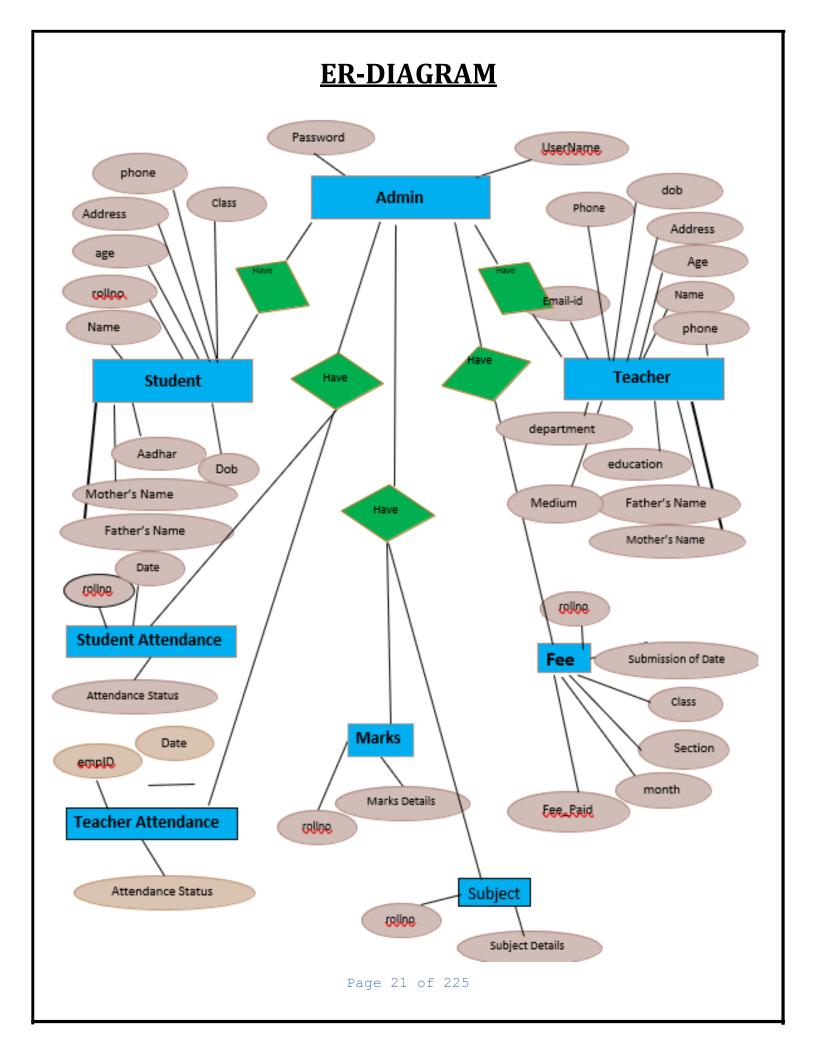
'0' Level DFD



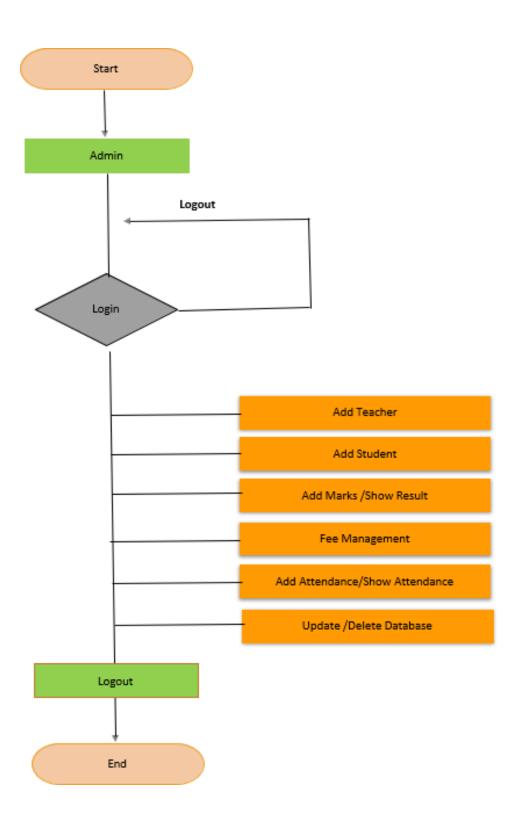
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FLOW CHART FOR SCHOOL INFORMATION SYSTEM



MODULE DESCRIPTION

- **1. Login Page Module: -** Provides access for both administrators and school management personnel. Once logged in, administrators gain full access to manage various menu options including admissions, attendance, examinations, staff, library, fee, accounts, and reports.
- **2. Master Module:** Enables administrators to add new students and teachers, automatically generating IDs for them.
- **3. Details Module: -** Facilitates the viewing and management of all records within the system, focusing on student and teacher records. It allows for the deletion of records if necessary.
- **4. Attendance Module: -** Allows for the submission of attendance records for both students and teachers.
- **5. Attendance Details Module: -** Offers a detailed view of attendance records post-submission, providing flexibility according to specific requirements.
- **6. Examination Module: -** Enables the input of student marks post-examinations. It allows for result checking by roll number, with all student exam results stored and managed within the module.
- **7. Update Details Module: -** Allows administrators to update records, either all records or specific ones, as needed. For instance, if a student's address changes after admission, this module facilitates updating the student's information accordingly.
- **8. Fee Details Module: -** Provides an overview of the fee structure for all classes. Administrators can submit student fees on a monthly basis and generate fee receipts.
- **9. Utility Service Module: -** Offers convenient tools such as a calculator, web browser, and Notepad for daily tasks like information retrieval, note-taking, and simple calculations.
- **10. About Module: -** Contains information about the developer(s) involved in creating the system.
- **11. Exit Module: -** Allows users to safely exit the system.

TABLE DESCRIPTION

Table Login

Column name	Datatype	Length	Nullable	Key
user_id	int		not null	primary key
password_	varchar	200	not null	

Table student

Column name	Datatype	Length	Nullable	Key
ID	int		not null	Primary Key
Name_	Varchar	200	not null	
Father_name	Varchar	200	not null	
Mother_name	Varchar	200	not null	
DOB	Varchar	200	not null	
Adhar_no	Varchar	200	not null	
Phone_no	Varchar	200	not null	
E_mail	Varchar	200	not null	
Class	Varchar	200	not null	
Address	Varchar	200	not null	

Table Teacher

Column name	Datatype	Length	Nullable	Key
Teacher_id	int		not null	Primary Key
Name_	Varchar	200	not null	
Father_name	Varchar	200	not null	
Education	Varchar	200	not null	
Department	Varchar	200	not null	
Adhar_no	Varchar	200	not null	
Phone_no	Varchar	200	not null	
E_mail	Varchar	200	not null	

DOB	Varchar	200	not null	
Address	Varchar	200	not null	

Table Grades

Column name	Datatype	Length	Nullable	Key
ID	int		not null	Primary Key
Name_	Varchar	200	not null	
Class	Varchar	200	not null	
Physics	Int			
Chemistry	int			
Maths	int			
Grades	Varchar	200	not null	

Table Fee_Submit

Column name	Datatype	Length	Nullable	Key
ID	int		not null	Primary Key
Date_	Varchar	200	not null	
Class	Varchar	200	not null	
Month_	Varchar	200	not null	
Fee	int		not null	
Status_	Varchar	200	not null	

Table Teacher Attendance

Column name	Datatype	Length	Nullable	Key
ID	int		not null	Primary Key
Date_	Varchar	200	not null	

First_Half	Varchar	200	not null	
Second_Half	Varchar	200	not null	

Table Student Attendance

Column name	Datatype	Length	Nullable	Key
ID	int		not null	Primary Key
Date_	Varchar	200	not null	
First_Half	Varchar	200	not null	
Second_Half	Varchar	200	not null	

Table Design Query

Database

```
create database sms; --School Management
System
use sms;
```

Login Table Design

```
create table user_login
(user_id int primary key not null,
password_ varchar (200) not null);
```

Student Table Design

```
create table student
(ID int primary key not null,
Name_ varchar (200) not null,
Father_name varchar (200) not null,
Mother_name varchar (200) not null,
DOB varchar (200) not null,
Adhar_no varchar (200) not null,
Phone_no varchar (200) not null,
E_mail varchar (200) not null,
Class varchar (200) not null,
Address varchar (200) not null);
```

Teacher Table Design

```
create table Teacher
(Teacher_id int primary key not null,
Name_ varchar (200) not null,
Father_name varchar (200) not null,
Education varchar (200) not null,
Department varchar (200) not null,
Adhar_no varchar (200) not null,
Phone_no varchar (200) not null,
E_mail varchar (200) not null,
DOB varchar (200) not null,
Address varchar (200) not null);
```

Grades Table Design

```
create table Grades
(Id int primary key not null,
Name_ varchar (255) not null,
Class int not null,
Physics int,
Chemistry int,
Maths int,
Grades varchar(255) not null);
```

Fee Submit Table Design

```
Create table Fee_Submit
(Id int primary key not null,
Date_ varchar (255) not null,
Class varchar (255) not null,
Month_ varchar (255) not null,
Fee int not null,
Status varchar (255) not null);
```

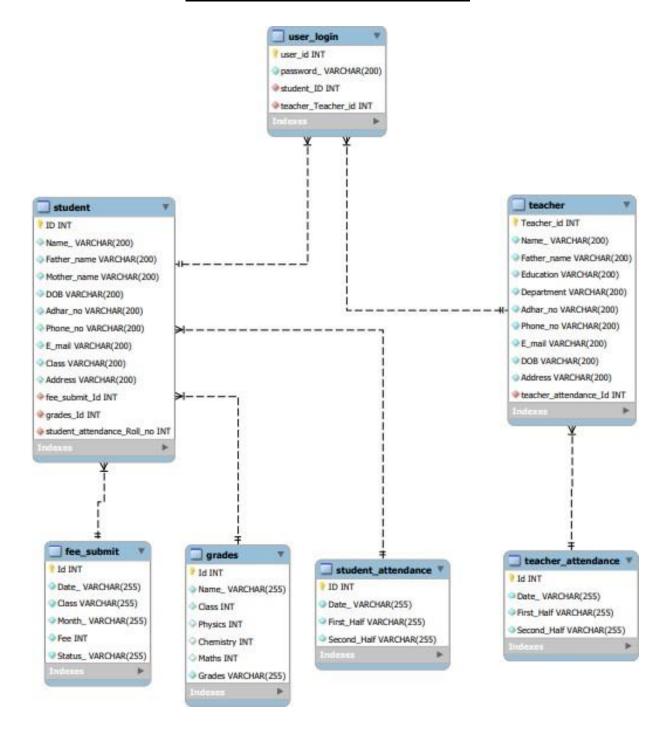
Teacher Attendance Table Design

```
Create table Teacher_Attendance (Id int primary key not null, Date_ varchar (255) not null, First_Half varchar (255) not null, Second Half varchar (255) not null);
```

Student Attendance Table Design

```
Create table Student_Attendance (Roll_no int primary key not null, Date_ varchar (255) not null, First_Half varchar (255) not null, Second Half varchar (255) not null);
```

DATABASE DIAGRAM



PROGRAM CODE

Splash Code: -

```
package schoolmanagement.system;
import java.util.HashSet;
import java.util.Set;
import java.sql.*;
/**
 * @author it's Anivesh
public class SchoolManagementSystem {
    /**
     * @param args the command line arguments
     * /
    public static void main(String[] args) {
        // TODO code application logic here
        LoginPage LoginPageFrame = new LoginPage();
        LoginPageFrame.setVisible(true);
        LoginPageFrame.pack();
        LoginPageFrame.setLocationRelativeTo(null);
    }
}
```

Login Page Code: -

```
* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
package schoolmanagement.system;
import java.awt.HeadlessException;
import java.sql.*;
import javax.swing.JOptionPane;
/**
 * @author it's Anivesh
public class LoginPage extends javax.swing.JFrame {
    /**
     * Creates new form LoginPage
    public LoginPage() {
        initComponents();
    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
        jPanel1 = new javax.swing.JPanel();
        Right = new javax.swing.JPanel();
        Icon = new javax.swing.JLabel();
        Schoolname = new javax.swing.JLabel();
        Schoolname1 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        Left = new javax.swing.JPanel();
        Heading = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        User id = new javax.swing.JTextField();
        jLabel3 = new javax.swing.JLabel();
        Password = new javax.swing.JPasswordField();
        Loginbutton = new javax.swing.JButton();
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT ON CLOSE);
        setTitle("LOGIN");
        jPanel1.setBackground(new java.awt.Color(204, 204, 204));
        jPanel1.setPreferredSize(new java.awt.Dimension(800, 500));
        jPanel1.setLayout(null);
        Right.setBackground(new java.awt.Color(0, 102, 102));
        Right.setMaximumSize(new java.awt.Dimension(400, 500));
        Right.setMinimumSize(new java.awt.Dimension(400, 500));
        Right.setPreferredSize(new java.awt.Dimension(400, 500));
        Icon.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/schoolmanagement/system/login (1).png"))); // NOI18N
        Schoolname.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N
        Schoolname.setForeground(new java.awt.Color(255, 255, 255));
        Schoolname.setText("System");
        Schoolname1.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N
        Schoolname1.setForeground(new java.awt.Color(255, 255, 255));
        Schoolname1.setText(" School Management");
        jLabel5.setFont(new java.awt.Font("Segoe UI Variable", 0, 12)); // NOI18N
        jLabel5.setForeground(new java.awt.Color(153, 153, 153));
        ¡Label5.setText("© Copyright 2024 anivesh. All rights reserved");
        javax.swing.GroupLayout RightLayout = new javax.swing.GroupLayout(Right);
        Right.setLayout(RightLayout);
        RightLayout.setHorizontalGroup(
            RightLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
RightLayout.createSequentialGroup()
                 .addContainerGap(85, Short.MAX VALUE)
                 .addGroup(RightLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE)
                     .addGroup(RightLayout.createSequentialGroup()
                         .addGap(48, 48, 48)
                         .addComponent(Icon, javax.swing.GroupLayout.PREFERRED SIZE, 138,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(RightLayout.createSequentialGroup()
                         .addGap(86, 86, 86)
                         .addComponent(Schoolname))
                     .addComponent(Schoolname1))
                 .addGap(50, 50, 50))
        );
        RightLayout.setVerticalGroup(
            RightLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(RightLayout.createSequentialGroup()
```

```
.addGap(93, 93, 93)
                .addComponent(Icon, javax.swing.GroupLayout.PREFERRED SIZE, 149,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(Schoolname1)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(Schoolname)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 123,
Short.MAX VALUE)
                 .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED SIZE, 31,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(28, 28, 28))
        );
        ¡Panel1.add(Right);
        Right.setBounds(0, 0, 400, 500);
        Right.getAccessibleContext().setAccessibleName("RIGHT");
        Left.setBackground(new java.awt.Color(255, 255, 255));
        Left.setForeground(new java.awt.Color(0, 102, 102));
        Left.setPreferredSize(new java.awt.Dimension(400, 500));
        Heading.setBackground(new java.awt.Color(0, 102, 102));
        Heading.setFont(new java.awt.Font("Segoe UI", 1, 36)); // NOI18N
        Heading.setForeground(new java.awt.Color(0, 102, 102));
        Heading.setText("LOGIN");
        jLabel2.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(153, 153, 153));
        jLabel2.setText("User id");
        User id.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
        User id.setForeground(new java.awt.Color(51, 51, 51));
        User id.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                User idActionPerformed(evt);
        });
        jLabel3.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
        jLabel3.setForeground(new java.awt.Color(153, 153, 153));
        jLabel3.setText("Password");
        Loginbutton.setBackground(new java.awt.Color(0, 102, 102));
        Loginbutton.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
        Loginbutton.setForeground(new java.awt.Color(255, 255, 255));
        Loginbutton.setText("Login");
        Loginbutton.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                LoginbuttonActionPerformed(evt);
```

```
}
        });
        javax.swing.GroupLayout LeftLayout = new javax.swing.GroupLayout(Left);
        Left.setLayout(LeftLayout);
        LeftLayout.setHorizontalGroup(
            LeftLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, LeftLayout.createSequentialGroup()
                 .addContainerGap(146, Short.MAX VALUE)
                 .addComponent(Heading)
                 .addGap(143, 143, 143))
            .addGroup(LeftLayout.createSequentialGroup()
                 .addGap(46, 46, 46)
                 .addGroup(LeftLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(Loginbutton, javax.swing.GroupLayout.PREFERRED SIZE, 80,
javax.swing.GroupLayout.PREFERRED SIZE)
.addGroup(LeftLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                         .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED SIZE, 82,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addComponent(User id, javax.swing.GroupLayout.DEFAULT SIZE, 266,
Short.MAX_VALUE)
                         .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED SIZE, 82,
javax.swing.GroupLayout.PREFERRED_SIZE)
                         .addComponent(Password)))
                .addContainerGap(javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE))
        LeftLayout.setVerticalGroup(
            LeftLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
             .addGroup(LeftLayout.createSequentialGroup()
                 .addGap(44, 44, 44)
                 .addComponent(Heading)
                 .addGap(46, 46, 46)
                 .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED SIZE, 22,
javax.swing.GroupLayout.PREFERRED SIZE)
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                 .addComponent(User id, javax.swing.GroupLayout.PREFERRED SIZE, 32,
javax.swing.GroupLayout.PREFERRED SIZE)
                 .addGap(18, 18, 18)
                 .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED SIZE, 22,
javax.swing.GroupLayout.PREFERRED SIZE)
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                 .addComponent(Password, javax.swing.GroupLayout.PREFERRED SIZE, 32,
javax.swing.GroupLayout.PREFERRED SIZE)
                 .addGap(27, 27, 27)
                 .addComponent(Loginbutton, javax.swing.GroupLayout.PREFERRED SIZE, 32,
javax.swing.GroupLayout.PREFERRED SIZE)
                 .addContainerGap(153, Short.MAX VALUE))
        );
```

```
jPanel1.add(Left);
        Left.setBounds(400, 0, 400, 500);
        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
        pack();
    }// </editor-fold>
    private void User idActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
   private void LoginbuttonActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String ui=User id.getText();
        String p = Password.getText();
        try{
            Class.forName("com.mysql.jdbc.Driver");
            Connection conn;
            conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/sms","root","2202");
            Statement st=(Statement)conn.createStatement();
            String sql = "select * from user login";
            ResultSet rs;
            rs = st.executeQuery(sql);
            while(rs.next()){
            String user id = rs.getString("user id");
            String password = rs.getString("password ");
            if(ui.equals(user id) && p.equals(password)){
```

```
new Welcome().setVisible(true);
            else
                JOptionPane.showMessageDialog(this , "User id or password is incorrect!");
        catch(HeadlessException | ClassNotFoundException | SQLException e) {
            JOptionPane.showMessageDialog(null, "Error while establishing connection!");
    }
     * @param args the command line arguments
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                 if ("Nimbus".equals(info.getName())) {
                     javax.swing.UIManager.setLookAndFeel(info.getClassName());
                     break;
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(LoginPage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(LoginPage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(LoginPage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(LoginPage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        //</editor-fold>
```

```
/* Create and display the form */
    java.awt.EventQueue.invokeLater(() -> {
        new LoginPage().setVisible(true);
    });
// Variables declaration - do not modify
private javax.swing.JLabel Heading;
private javax.swing.JLabel Icon;
private javax.swing.JPanel Left;
private javax.swing.JButton Loginbutton;
private javax.swing.JPasswordField Password;
private javax.swing.JPanel Right;
private javax.swing.JLabel Schoolname;
private javax.swing.JLabel Schoolname1;
private javax.swing.JTextField User id;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel5;
private javax.swing.JPanel jPanel1;
// End of variables declaration
```

Welcome Page Code: -

```
/*
    * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
    * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
    */
    package schoolmanagement.system;
/**
    *
    *@author it's Anivesh
    */
    public class Welcome extends javax.swing.JFrame {
        /**
          * Creates new form Welcome
          */
          public Welcome() {
                initComponents();
        }
        /**
        * This method is called from within the constructor to initialize the form.
        * WARNING: Do NOT modify this code. The content of this method is always
        * regenerated by the Form Editor.
```

```
*/
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {
    ¡Panel1 = new javax.swing.JPanel();
    ¡Panel2 = new javax.swing.JPanel();
    Heading = new javax.swing.JLabel();
    Logout = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    Heading1 = new javax.swing.JLabel();
    jPanel4 = new javax.swing.JPanel();
    studentclick = new javax.swing.JLabel();
    studenttext = new javax.swing.JLabel();
    ¡Panel8 = new javax.swing.JPanel();
    teacherclick = new javax.swing.JLabel();
    teachertext = new javax.swing.JLabel();
    ¡Panel9 = new javax.swing.JPanel();
    feeclick = new javax.swing.JLabel();
    feetext = new javax.swing.JLabel();
    jPanel10 = new javax.swing.JPanel();
    gradeclick = new javax.swing.JLabel();
    gradetext = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT ON CLOSE);
    setTitle("WELCOME");
    jPanel1.setBackground(new java.awt.Color(255, 255, 255));
    jPanel1.setPreferredSize(new java.awt.Dimension(800, 500));
    jPanel1.setLayout(null);
    jPanel2.setBackground(new java.awt.Color(0, 102, 102));
    Heading.setBackground(new java.awt.Color(0, 102, 102));
    Heading.setFont(new java.awt.Font("Segoe UI", 2, 24)); // NOI18N
    Heading.setForeground(new java.awt.Color(255, 255, 255));
    Heading.setText("hey, Welcome");
    Logout.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
    Logout.setForeground(new java.awt.Color(255, 255, 255));
    Logout.setText("<Logout");</pre>
    Logout.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            LogoutMouseClicked(evt);
    });
    jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
```

```
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("School Management System ");
        Heading1.setBackground(new java.awt.Color(0, 102, 102));
        Heading1.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N
        Heading1.setForeground(new java.awt.Color(255, 255, 255));
        Heading1.setText("MENU");
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        ¡Panel2.setLayout(¡Panel2Layout);
        iPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                 .addGap(37, 37, 37)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED SIZE, 310,
javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(Heading))
                .addGap(18, 18, 18)
                .addComponent(Heading1)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 298,
Short.MAX VALUE)
                 .addComponent(Logout, javax.swing.GroupLayout.PREFERRED SIZE, 52,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(22, 22, 22))
        jPanel2Layout.setVerticalGroup(
            ¡Panel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addGap(33, 33, 33)
                         .addComponent(Heading)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                         .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED SIZE, 32,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addGap(17, 17, 17)
                         .addComponent(Logout, javax.swing.GroupLayout.PREFERRED SIZE, 30,
javax.swing.GroupLayout.PREFERRED SIZE))
                    .addGroup(jPanel2Layout.createSequentialGroup()
                         .addGap(46, 46, 46)
                         .addComponent(Heading1)))
                .addContainerGap(47, Short.MAX VALUE))
        );
        jPanel1.add(jPanel2);
        ¡Panel2.setBounds(0, 0, 810, 150);
```

```
jPanel4.setBackground(new java.awt.Color(255, 255, 255));
        studentclick.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/icon/student.png"))); // NOI18N
        studentclick.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                 studentclickMouseClicked(evt);
        });
        studenttext.setBackground(new java.awt.Color(255, 255, 255));
        studenttext.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        studenttext.setForeground(new java.awt.Color(0, 102, 102));
        studenttext.setText("STUDENT'S");
        studenttext.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                 studenttextMouseClicked(evt);
        });
        javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
        jPanel4.setLayout(jPanel4Layout);
        jPanel4Layout.setHorizontalGroup(
            ¡Panel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel4Layout.createSequentialGroup()
                 .addComponent(studentclick, javax.swing.GroupLayout.DEFAULT SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
                 .addContainerGap())
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel4Layout.createSequentialGroup()
                 .addGap(0, 0, Short.MAX VALUE)
                 .addComponent(studenttext, javax.swing.GroupLayout.PREFERRED SIZE, 71,
javax.swing.GroupLayout.PREFERRED SIZE)
                 .addGap(27, 27, 27))
        );
        jPanel4Layout.setVerticalGroup(
            jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel4Layout.createSequentialGroup()
                 .addComponent(studentclick, javax.swing.GroupLayout.PREFERRED SIZE, 119,
javax.swing.GroupLayout.PREFERRED SIZE)
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                 .addComponent(studenttext, javax.swing.GroupLayout.DEFAULT SIZE, 23,
Short.MAX VALUE)
                 .addGap(12, 12, 12))
        );
        jPanel1.add(jPanel4);
        jPanel4.setBounds(90, 210, 130, 160);
```

```
¡Panel8.setBackground(new java.awt.Color(255, 255, 255));
        teacherclick.setIcon(new
avax.swing.ImageIcon(getClass().getResource("/schoolmanagement/system/Teacher.png"))); // NOI18N
        teacherclick.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                teacherclickMouseClicked(evt);
        });
        teachertext.setBackground(new java.awt.Color(255, 255, 255));
        teachertext.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        teachertext.setForeground(new java.awt.Color(0, 102, 102));
        teachertext.setText("TEACHER'S");
        teachertext.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                teachertextMouseClicked(evt);
        });
        javax.swing.GroupLayout jPanel8Layout = new javax.swing.GroupLayout(jPanel8);
        iPanel8.setLayout(jPanel8Layout);
        ¡Panel8Layout.setHorizontalGroup(
            jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(teacherclick, javax.swing.GroupLayout.DEFAULT SIZE, 130, Short.MAX VALUE)
            .addGroup(jPanel8Layout.createSequentialGroup()
                .addGap(28, 28, 28)
                .addComponent(teachertext, javax.swing.GroupLayout.PREFERRED SIZE, 71,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX_VALUE))
        );
        jPanel8Layout.setVerticalGroup(
            ¡Panel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel8Layout.createSequentialGroup()
                .addComponent(teacherclick, javax.swing.GroupLayout.PREFERRED SIZE, 122,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(teachertext, javax.swing.GroupLayout.DEFAULT SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
                .addGap(10, 10, 10))
        );
        jPanel1.add(jPanel8);
        ¡Panel8.setBounds(260, 210, 130, 160);
        ¡Panel9.setBackground(new java.awt.Color(255, 255, 255));
        feeclick.setIcon(new javax.swinq.ImageIcon(getClass().getResource("/icon/cost.png"))); //
NOI18N
        feeclick.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
public void mouseClicked(java.awt.event.MouseEvent evt) {
                feeclickMouseClicked(evt);
        });
        feetext.setBackground(new java.awt.Color(255, 255, 255));
        feetext.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        feetext.setForeground(new java.awt.Color(0, 102, 102));
        feetext.setText("FEE SECTION");
        feetext.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                feetextMouseClicked(evt);
            }
        });
        javax.swing.GroupLayout jPanel9Layout = new javax.swing.GroupLayout(jPanel9);
        jPanel9.setLayout(jPanel9Layout);
        ¡Panel9Layout.setHorizontalGroup(
            ¡Panel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(feeclick, javax.swing.GroupLayout.DEFAULT SIZE, 130, Short.MAX VALUE)
            .addGroup(jPanel9Layout.createSequentialGroup()
                 .addGap(23, 23, 23)
                 .addComponent(feetext, javax.swing.GroupLayout.PREFERRED SIZE, 82,
javax.swing.GroupLayout.PREFERRED SIZE)
                 .addContainerGap(javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE))
        );
        jPanel9Layout.setVerticalGroup(
            jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel9Layout.createSequentialGroup()
                 .addComponent(feeclick, javax.swing.GroupLayout.PREFERRED SIZE, 125,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                 .addComponent(feetext, javax.swing.GroupLayout.DEFAULT SIZE, 23, Short.MAX VALUE)
                 .addContainerGap())
        );
        ¡Panel1.add(¡Panel9);
        jPanel9.setBounds(420, 210, 130, 160);
        jPanel10.setBackground(new java.awt.Color(255, 255, 255));
        gradeclick.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icon/exam1.png"))); //
NOI18N
        gradeclick.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                gradeclickMouseClicked(evt);
        });
        gradetext.setBackground(new java.awt.Color(255, 255, 255));
```

```
gradetext.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        gradetext.setForeground(new java.awt.Color(0, 102, 102));
        gradetext.setText("GRADE'S");
        gradetext.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                gradetextMouseClicked(evt);
        });
        javax.swing.GroupLayout jPanel10Layout = new javax.swing.GroupLayout(jPanel10);
        ¡Panel10.setLayout(jPanel10Layout);
        jPanel10Layout.setHorizontalGroup(
            jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(gradeclick, javax.swing.GroupLayout.DEFAULT SIZE, 130, Short.MAX VALUE)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel10Layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
                .addComponent(gradetext, javax.swing.GroupLayout.PREFERRED SIZE, 82,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(22, 22, 22))
        );
        iPanel10Layout.setVerticalGroup(
            jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel10Layout.createSequentialGroup()
                .addComponent(gradeclick, javax.swing.GroupLayout.PREFERRED SIZE, 125,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(gradetext, javax.swing.GroupLayout.DEFAULT SIZE, 23, Short.MAX VALUE)
                .addContainerGap())
        );
        ¡Panel1.add(¡Panel10);
        jPanel10.setBounds(580, 210, 130, 160);
        jLabel3.setFont(new java.awt.Font("Segoe UI", 3, 12)); // NOI18N
        jLabel3.setForeground(new java.awt.Color(0, 102, 102));
        jLabel3.setText("Select where you want to go...");
        ¡Panel1.add(jLabel3);
        jLabel3.setBounds(320, 150, 190, 32);
        jLabel5.setFont(new java.awt.Font("Seqoe UI Variable", 0, 12)); // NOI18N
        jLabel5.setForeground(new java.awt.Color(153, 153, 153));
        jLabel5.setText("© Copyright 2024 anivesh. All rights reserved");
        ¡Panel1.add(¡Label5);
        jLabel5.setBounds(290, 440, 236, 16);
        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE,
                                      javax.swing.GroupLayout.PREFERRED SIZE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
        jPanel1.getAccessibleContext().setAccessibleName("WELCOME");
       pack();
    }// </editor-fold>
   private void studentclickMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        StudentPage obj =new StudentPage();
        obj.setVisible(true);
        dispose();
   private void teacherclickMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        TeacherPage obj =new TeacherPage();
        obj.setVisible(true);
        dispose();
    }
   private void feeclickMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        FeePage obj =new FeePage();
        obj.setVisible(true);
        dispose();
    }
   private void gradeclickMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        GradeCard obj =new GradeCard();
        obj.setVisible(true);
        dispose();
   private void studenttextMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        StudentPage obj =new StudentPage();
        obj.setVisible(true);
        dispose();
```

```
private void teachertextMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        TeacherPage obj =new TeacherPage();
        obj.setVisible(true);
        dispose();
    }
    private void feetextMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        FeePage obj =new FeePage();
        obj.setVisible(true);
        dispose();
    }
    private void gradetextMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        GradeCard obj =new GradeCard();
        obj.setVisible(true);
        dispose();
    }
    private void LogoutMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        LoginPage obj =new LoginPage();
        obj.setVisible(true);
        dispose();
    private void aboutMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        Aboutus obj = new Aboutus();
        obj.setVisible(true);
        dispose();
    }
     * @param args the command line arguments
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
```

```
break;
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(Welcome.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(Welcome.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(Welcome.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(Welcome.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        //</editor-fold>
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Welcome().setVisible(true);
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JLabel Heading;
    private javax.swing.JLabel Heading1;
    private javax.swing.JLabel Logout;
    private javax.swing.JLabel feeclick;
    private javax.swing.JLabel feetext;
    private javax.swing.JLabel gradeclick;
    private javax.swing.JLabel gradetext;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel10;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel4;
    private javax.swing.JPanel jPanel8;
    private javax.swing.JPanel jPanel9;
    private javax.swing.JLabel studentclick;
    private javax.swing.JLabel studenttext;
    private javax.swing.JLabel teacherclick;
```

```
private javax.swing.JLabel teachertext;
// End of variables declaration
```

Student Page Code: -

```
* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
package schoolmanagement.system;
/**
 * @author it's Anivesh
public class StudentPage extends javax.swing.JFrame {
    /**
     * Creates new form StudentPage
    public StudentPage() {
        initComponents();
     * This method is called from within the constructor to initialize the form.
     ^{\star} WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        jLabel4 = new javax.swing.JLabel();
        Schoolname1 = new javax.swing.JLabel();
        Schoolname = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        backclick = new javax.swing.JLabel();
        attendence = new javax.swing.JButton();
        addstudent = new javax.swing.JButton();
        Heading = new javax.swing.JLabel();
        editstudent = new javax.swing.JButton();
        searchanddelete = new javax.swing.JButton();
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT ON CLOSE);
        setTitle("STUDENT PAGE");
        jPanel1.setBackground(new java.awt.Color(255, 255, 255));
        ¡Panel1.setPreferredSize(new java.awt.Dimension(800, 500));
        jPanel1.setLayout(null);
        ¡Panel2.setBackground(new java.awt.Color(0, 102, 102));
        ¡Panel2.setPreferredSize(new java.awt.Dimension(400, 500));
        jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icon/student.png")));
NOT18N
        Schoolname1.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N
        Schoolname1.setForeground(new java.awt.Color(255, 255, 255));
        Schoolname1.setText(" School Management");
        Schoolname.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N
        Schoolname.setForeground(new java.awt.Color(255, 255, 255));
        Schoolname.setText("System");
        jLabel5.setFont(new java.awt.Font("Segoe UI Variable", 0, 12)); // NOI18N
        jLabel5.setForeground(new java.awt.Color(153, 153, 153));
        jLabel5.setText("@ Copyright 2024 anivesh. All rights reserved");
        backclick.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
        backclick.setForeground(new java.awt.Color(255, 255, 255));
        backclick.setText("<Back");</pre>
        backclick.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                backclickMouseClicked(evt);
        });
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        ¡Panel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addContainerGap(77, Short.MAX VALUE)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                         .addComponent(jLabel4)
                         .addGap(124, 124, 124))
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                         .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED SIZE, 265,
```

```
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(48, 48, 48))
                     .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                         .addComponent(Schoolname1)
                         .addGap(66, 66, 66))
                     .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                         .addComponent(backclick, javax.swing.GroupLayout.PREFERRED SIZE, 52,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(19, 19, 19))
                     .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                         .addComponent (Schoolname)
                         .addGap(138, 138, 138))))
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                 .addGap(19, 19, 19)
                .addComponent(backclick, javax.swing.GroupLayout.PREFERRED SIZE, 30,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(73, 73, 73)
                 .addComponent(jLabel4)
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                 .addComponent (Schoolname1)
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                 .addComponent(Schoolname)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 102,
Short.MAX VALUE)
                 .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED SIZE, 31,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(29, 29, 29))
        );
        jPanel1.add(jPanel2);
        jPanel2.setBounds(410, 0, 390, 500);
        attendence.setBackground(new java.awt.Color(0, 102, 102));
        attendence.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        attendence.setForeground(new java.awt.Color(255, 255, 255));
        attendence.setText("ATTENDENCE");
        attendence.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                attendenceActionPerformed(evt);
            }
        });
        ¡Panel1.add(attendence);
        attendence.setBounds(100, 370, 220, 40);
```

```
addstudent.setBackground(new java.awt.Color(0, 102, 102));
        addstudent.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        addstudent.setForeground(new java.awt.Color(255, 255, 255));
        addstudent.setText("ADD STUDENT");
        addstudent.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                addstudentActionPerformed(evt);
        });
        ¡Panel1.add(addstudent);
        addstudent.setBounds(100, 190, 220, 40);
        Heading.setBackground(new java.awt.Color(0, 102, 102));
        Heading.setFont(new java.awt.Font("Segoe UI", 1, 36)); // NOI18N
        Heading.setForeground(new java.awt.Color(0, 102, 102));
        Heading.setText("STUDENT PAGE");
        ¡Panell.add(Heading);
        Heading.setBounds(70, 70, 270, 48);
        editstudent.setBackground(new java.awt.Color(0, 102, 102));
        editstudent.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        editstudent.setForeground(new java.awt.Color(255, 255, 255));
        editstudent.setText("EDIT STUDENT");
        editstudent.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                editstudentActionPerformed(evt);
        });
        ¡Panel1.add(editstudent);
        editstudent.setBounds(100, 250, 220, 40);
        searchanddelete.setBackground(new java.awt.Color(0, 102, 102));
        searchanddelete.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        searchanddelete.setForeground(new java.awt.Color(255, 255, 255));
        searchanddelete.setText("SEARCH & DELETE");
        searchanddelete.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                searchanddeleteActionPerformed(evt);
        ¡Panel1.add(searchanddelete);
        searchanddelete.setBounds(100, 310, 220, 40);
        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
```

```
.addGap(0, 0, Short.MAX VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
       pack();
   }// </editor-fold>
   private void attendenceActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        StudentAttendance obj = new StudentAttendance();
        obj.setVisible(true);
       dispose();
   }
   private void addstudentActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
       AddStudentPage obj = new AddStudentPage();
       obj.setVisible(true);
       dispose();
   }
   private void editstudentActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
       EditStudent obj;
       obj = new EditStudent();
        obj.setVisible(true);
       dispose();
   }
   private void backclickMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
       Welcome obj = new Welcome();
        obj.setVisible(true);
       dispose();
   }
   private void searchanddeleteActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        SearchandDelete obj = new SearchandDelete();
       obj.setVisible(true);
       dispose();
   }
    /**
```

```
* @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                 if ("Nimbus".equals(info.getName())) {
                     javax.swing.UIManager.setLookAndFeel(info.getClassName());
                     break;
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(StudentPage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(StudentPage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(StudentPage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(StudentPage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        //</editor-fold>
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new StudentPage().setVisible(true);
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JLabel Heading;
    private javax.swing.JLabel Schoolname;
    private javax.swing.JLabel Schoolnamel;
    private javax.swing.JButton addstudent;
    private javax.swing.JButton attendence;
```

```
private javax.swing.JLabel backclick;
private javax.swing.JButton editstudent;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JButton searchanddelete;
// End of variables declaration
```

Add Student Page Code: -

```
* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
package schoolmanagement.system;
import java.awt.HeadlessException;
import javax.swing.JOptionPane;
import java.sql.*;
 * @author it's Anivesh
public class AddStudentPage extends javax.swing.JFrame {
    /**
     * Creates new form AddStudentPage
    public AddStudentPage() {
        initComponents();
    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
        jPanel2 = new javax.swing.JPanel();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        Heading = new javax.swing.JLabel();
```

```
jLabel2 = new javax.swing.JLabel();
        fathername = new javax.swing.JTextField();
        jLabel3 = new javax.swing.JLabel();
        name = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        mothername = new javax.swing.JTextField();
        jLabel5 = new javax.swing.JLabel();
        dob = new javax.swing.JTextField();
        jLabel6 = new javax.swing.JLabel();
        adharno = new javax.swing.JTextField();
        phoneno = new javax.swing.JTextField();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        email = new javax.swing.JTextField();
        cl = new javax.swing.JTextField();
        jhquyf = new javax.swing.JLabel();
        address = new javax.swing.JTextField();
        jLabel10 = new javax.swing.JLabel();
        submit = new javax.swing.JButton();
        backclick = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        rollno = new javax.swing.JTextField();
        jLabel11 = new javax.swing.JLabel();
        New = new javax.swing.JButton();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT ON CLOSE);
        jPanel2.setBackground(new java.awt.Color(255, 255, 255));
        ¡Panel2.setPreferredSize(new java.awt.Dimension(900, 600));
        jPanel1.setBackground(new java.awt.Color(0, 102, 102));
        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icon/add-friend.png")));
// NOT18N
        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        ¡Panel1.setLayout(¡Panel1Layout);
        jPanel1Layout.setHorizontalGroup(
            ¡Panel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
¡Panel1Layout.createSequentialGroup()
                .addContainerGap(34, Short.MAX VALUE)
                .addComponent(jLabel1)
                .addGap(25, 25, 25))
        );
        ¡Panel1Layout.setVerticalGroup(
            ¡Panel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(195, 195, 195)
                .addComponent(jLabel1)
```

```
.addContainerGap(javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE))
);
Heading.setBackground(new java.awt.Color(0, 102, 102));
Heading.setFont(new java.awt.Font("Segoe UI", 1, 36)); // NOI18N
Heading.setForeground(new java.awt.Color(0, 102, 102));
Heading.setText("ADD NEW STUDENT");
jLabel2.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel2.setForeground(new java.awt.Color(153, 153, 153));
jLabel2.setText("Full Name");
fathername.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
fathername.setForeground(new java.awt.Color(51, 51, 51));
fathername.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        fathernameActionPerformed(evt);
    }
});
jLabel3.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel3.setForeground(new java.awt.Color(153, 153, 153));
jLabel3.setText("Father Name");
name.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
name.setForeground(new java.awt.Color(51, 51, 51));
name.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        nameActionPerformed(evt);
});
jLabel4.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel4.setForeground(new java.awt.Color(153, 153, 153));
jLabel4.setText("Mother Name");
mothername.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
mothername.setForeground(new java.awt.Color(51, 51, 51));
mothername.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        mothernameActionPerformed(evt);
    }
});
jLabel5.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel5.setForeground(new java.awt.Color(153, 153, 153));
jLabel5.setText("D.O.B.");
dob.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
dob.setForeground(new java.awt.Color(51, 51, 51));
```

```
dob.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        dobActionPerformed(evt);
});
jLabel6.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel6.setForeground(new java.awt.Color(153, 153, 153));
jLabel6.setText("Adhar No.");
adharno.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
adharno.setForeground(new java.awt.Color(51, 51, 51));
adharno.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        adharnoActionPerformed(evt);
});
phoneno.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
phoneno.setForeground(new java.awt.Color(51, 51, 51));
phoneno.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        phonenoActionPerformed(evt);
});
jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel7.setForeground(new java.awt.Color(153, 153, 153));
jLabel7.setText("Phone No.");
jLabel8.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel8.setForeground(new java.awt.Color(153, 153, 153));
jLabel8.setText("E-mail");
email.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
email.setForeground(new java.awt.Color(51, 51, 51));
email.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        emailActionPerformed(evt);
});
cl.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
cl.setForeground(new java.awt.Color(51, 51, 51));
cl.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        clActionPerformed(evt);
});
```

```
jhquyf.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jhguyf.setForeground(new java.awt.Color(153, 153, 153));
jhquyf.setText("Class");
address.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
address.setForeground(new java.awt.Color(51, 51, 51));
address.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        addressActionPerformed(evt);
});
jLabel10.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel10.setForeground(new java.awt.Color(153, 153, 153));
jLabel10.setText("Address");
submit.setBackground(new java.awt.Color(0, 102, 102));
submit.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
submit.setForeground(new java.awt.Color(255, 255, 255));
submit.setText("Submit");
submit.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        submitActionPerformed(evt);
});
backclick.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
backclick.setForeground(new java.awt.Color(0, 102, 102));
backclick.setText("<Back");</pre>
backclick.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        backclickMouseClicked(evt);
});
jLabel9.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel9.setForeground(new java.awt.Color(153, 153, 153));
jLabel9.setText("Roll No.");
rollno.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
rollno.setForeground(new java.awt.Color(51, 51, 51));
rollno.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        rollnoActionPerformed(evt);
    }
});
jLabel11.setFont(new java.awt.Font("Segoe UI Variable", 0, 12)); // NOI18N
jLabel11.setForeground(new java.awt.Color(153, 153, 153));
jLabel11.setText("@ Copyright 2024 anivesh. All rights reserved");
```

```
New.setBackground(new java.awt.Color(0, 102, 102));
        New.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
        New.setForeground(new java.awt.Color(255, 255, 255));
        New.setText("New");
        New.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                NewActionPerformed(evt);
        });
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            ¡Panel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                 .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addGap(33, 33, 33)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                             .addGroup(jPanel2Layout.createSequentialGroup()
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                                     .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
¡Panel2Layout.createSequentialGroup()
                                         .addComponent(jLabel2,
javax.swing.GroupLayout.PREFERRED SIZE, 71, javax.swing.GroupLayout.PREFERRED SIZE)
                                        .addGap(269, 269, 269)
                                         .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED SIZE, 110, javax.swing.GroupLayout.PREFERRED SIZE))
                                     .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
¡Panel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                                         .addGroup(jPanel2Layout.createSequentialGroup()
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                                 .addComponent (mothername,
javax.swing.GroupLayout.PREFERRED SIZE, 265, javax.swing.GroupLayout.PREFERRED SIZE)
                                                 .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED SIZE, 120, javax.swing.GroupLayout.PREFERRED SIZE))
                                              .addGap(75, 75, 75)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                                  .addComponent(jLabel5,
javax.swing.GroupLayout.PREFERRED SIZE, 71, javax.swing.GroupLayout.PREFERRED SIZE)
                                                 .addComponent(dob,
javax.swing.GroupLayout.PREFERRED SIZE, 265, javax.swing.GroupLayout.PREFERRED SIZE)
```

```
.addComponent (phoneno,
javax.swing.GroupLayout.PREFERRED SIZE, 265, javax.swing.GroupLayout.PREFERRED SIZE)
                                                  .addComponent(jhquyf,
javax.swing.GroupLayout.PREFERRED SIZE,
                                        71, javax.swing.GroupLayout.PREFERRED SIZE)
                                                  .addComponent(cl,
                                        265, javax.swing.GroupLayout.PREFERRED SIZE)
javax.swing.GroupLayout.PREFERRED SIZE,
                                                  .addComponent(jLabel7,
                                        101, javax.swing.GroupLayout.PREFERRED SIZE)))
javax.swing.GroupLayout.PREFERRED SIZE,
                                         .addGroup(jPanel2Layout.createSequentialGroup()
                                              .addComponent(name,
                                        265, javax.swing.GroupLayout.PREFERRED SIZE)
javax.swing.GroupLayout.PREFERRED SIZE,
                                              .addGap(75, 75, 75)
                                              .addComponent(fathername,
javax.swing.GroupLayout.PREFERRED SIZE, 265, javax.swing.GroupLayout.PREFERRED SIZE)))
                                     .addComponent(jLabel6,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.PREFERRED SIZE, 71,
javax.swing.GroupLayout.PREFERRED SIZE)
                                     .addComponent(adharno,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE)
                                     .addComponent(jLabel8,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.PREFERRED SIZE, 71,
javax.swing.GroupLayout.PREFERRED SIZE)
                                     .addComponent(email, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED SIZE, 265, javax.swing.GroupLayout.PREFERRED SIZE)
                                     .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel2Layout.createSequentialGroup()
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                                             .addComponent(jLabel9,
javax.swing.GroupLayout.PREFERRED SIZE, 71, javax.swing.GroupLayout.PREFERRED SIZE)
                                             .addComponent(rollno,
javax.swing.GroupLayout.PREFERRED SIZE, 265, javax.swing.GroupLayout.PREFERRED SIZE))
                                         .addGap(75, 75, 75)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                             .addComponent(jLabel10,
javax.swing.GroupLayout.PREFERRED SIZE, 71, javax.swing.GroupLayout.PREFERRED SIZE)
                                              .addComponent(address)))
                                     .addGroup(jPanel2Layout.createSequentialGroup()
                                         .addComponent(New, javax.swing.GroupLayout.PREFERRED SIZE,
92, javax.swing.GroupLayout.PREFERRED SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                                         .addComponent(submit,
javax.swing.GroupLayout.PREFERRED SIZE, 92, javax.swing.GroupLayout.PREFERRED SIZE)))
                                 .addContainerGap(75, Short.MAX VALUE))
                             .addGroup(jPanel2Layout.createSequentialGroup()
                                 .addGap(140, 140, 140)
                                 .addComponent(Heading, javax.swing.GroupLayout.PREFERRED SIZE, 370,
```

```
javax.swing.GroupLayout.PREFERRED SIZE)
                                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
                                 .addComponent(backclick, javax.swing.GroupLayout.PREFERRED SIZE, 52,
javax.swing.GroupLayout.PREFERRED SIZE)
                                 .addGap(24, 24, 24))))
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addGap(183, 183, 183)
                         .addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(0, 0, Short.MAX VALUE))))
        );
        jPanel2Layout.setVerticalGroup(
            ¡Panel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanell, javax.swing.GroupLayout.DEFAULT SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
            .addGroup(jPanel2Layout.createSequentialGroup()
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addGap(20, 20, 20)
                         .addComponent(Heading))
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addContainerGap()
                         .addComponent(backclick, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED SIZE)))
                 .addGap(32, 32, 32)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(jLabel2)
                     .addComponent(jLabel3))
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addGap(8, 8, 8)
                         .addComponent(name, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                         .addComponent(fathername, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)))
                 .addGap(28, 28, 28)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(jLabel5)
                     .addComponent(jLabel4))
                 .addGap(8, 8, 8)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(dob, javax.swing.GroupLayout.PREFERRED SIZE,
```

```
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(mothername, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                .addGap(18, 18, 18)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(jLabel6)
                         .addGap(8, 8, 8)
                         .addComponent(adharno, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(jLabel7)
                         .addGap(8, 8, 8)
                         .addComponent(phoneno, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)))
                 .addGap(18, 18, 18)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(jLabel8)
                         .addGap(8, 8, 8)
                         .addComponent(email, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(jhquyf)
                         .addGap(8, 8, 8)
                         .addComponent(cl, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)))
                 .addGap(18, 18, 18)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(jLabel10)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                         .addComponent(address, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(jLabel9)
                         .addGap(8, 8, 8)
                         .addComponent(rollno, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 32,
Short.MAX VALUE)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(submit)
                     .addComponent(New))
                 .addGap(20, 20, 20)
                 .addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED SIZE, 27,
```

```
javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(22, 22, 22))
        );
        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
        pack();
    }// </editor-fold>
    private void fathernameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void nameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void mothernameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void adharnoActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void phonenoActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void emailActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void clActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
```

```
}
    private void addressActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
   private void submitActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        try{
            Class.forName("com.mysql.jdbc.Driver");
            try (Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/sms","root","2202")) {
                String sql = "insert into student values (?,?,?,?,?,?,?,?,?)";
                PreparedStatement ptstmt=conn.prepareStatement(sql);
                ptstmt.setString(1, rollno.getText());
                ptstmt.setString(2, name.getText());
                ptstmt.setString(3, fathername.getText());
                ptstmt.setString(4, mothername.getText());
                ptstmt.setString(5, dob.getText());
                ptstmt.setString(6, adharno.getText());
                ptstmt.setString(7, phoneno.getText());
                ptstmt.setString(8, email.getText());
                ptstmt.setString(9, cl.getText());
                ptstmt.setString(10, address.getText());
                ptstmt.executeUpdate();
                JOptionPane.showMessageDialog(null, "Data Stores Sucessfully");
        catch (HeadlessException | ClassNotFoundException | SQLException e)
            JOptionPane.showMessageDialog(null, e);
    }
    private void backclickMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        StudentPage obj =new StudentPage();
        obj.setVisible(true);
        dispose();
    }
   private void rollnoActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void dobActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
```

```
}
    private void NewActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        AddStudentPage obj =new AddStudentPage();
        obj.setVisible(true);
        dispose();
    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                     javax.swing.UIManager.setLookAndFeel(info.getClassName());
                     break;
                 }
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(AddStudentPage.class.getName()).log(java.util.logging.Level.SEVER
E, null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(AddStudentPage.class.getName()).log(java.util.logging.Level.SEVER
E, null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(AddStudentPage.class.getName()).log(java.util.logging.Level.SEVER
E, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(AddStudentPage.class.getName()).log(java.util.logging.Level.SEVER
E, null, ex);
        //</editor-fold>
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new AddStudentPage().setVisible(true);
```

```
});
// Variables declaration - do not modify
private javax.swing.JLabel Heading;
private javax.swing.JButton New;
private javax.swing.JTextField address;
private javax.swing.JTextField adharno;
private javax.swing.JLabel backclick;
private javax.swing.JTextField cl;
private javax.swing.JTextField dob;
private javax.swing.JTextField email;
private javax.swing.JTextField fathername;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JLabel jhguyf;
private javax.swing.JTextField mothername;
private javax.swing.JTextField name;
private javax.swing.JTextField phoneno;
private javax.swing.JTextField rollno;
private javax.swing.JButton submit;
// End of variables declaration
```

Edit Student Page Code: -

```
/*
  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
license
  * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
  */
package schoolmanagement.system;
import java.awt.HeadlessException;
import javax.swing.JOptionPane;
import javax.swing.JOptionPane;
import javax.sql.*;
/**
  *
```

```
* @author it's Anivesh
public class EditStudent extends javax.swing.JFrame {
     * Creates new form EditStudent
     */
    public EditStudent() {
        initComponents();
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
        jPanel1 = new javax.swing.JPanel();
        Heading = new javax.swing.JLabel();
        backclick = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        rollno = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        name = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        fathername = new javax.swing.JTextField();
        jLabel5 = new javax.swing.JLabel();
        mothername = new javax.swing.JTextField();
        jLabel6 = new javax.swing.JLabel();
        dob = new javax.swing.JTextField();
        jLabel7 = new javax.swing.JLabel();
        adharno = new javax.swing.JTextField();
        jLabel8 = new javax.swing.JLabel();
        phoneno = new javax.swing.JTextField();
        jhquyf = new javax.swing.JLabel();
        email = new javax.swing.JTextField();
        jLabel9 = new javax.swing.JLabel();
        cl = new javax.swing.JTextField();
        jLabel10 = new javax.swing.JLabel();
        address = new javax.swing.JTextField();
        Update = new javax.swing.JButton();
        jLabel11 = new javax.swing.JLabel();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT ON CLOSE);
        setTitle("EDIT STUDENT");
```

```
setAutoRequestFocus(false);
        setPreferredSize(new java.awt.Dimension(900, 600));
        getContentPane().setLayout(null);
        jPanel1.setBackground(new java.awt.Color(255, 255, 255));
        ¡Panel1.setPreferredSize(new java.awt.Dimension(900, 600));
        Heading.setBackground(new java.awt.Color(0, 102, 102));
        Heading.setFont(new java.awt.Font("Segoe UI", 1, 36)); // NOI18N
        Heading.setForeground(new java.awt.Color(0, 102, 102));
        Heading.setText("EDIT STUDENT INFO.");
        backclick.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
        backclick.setForeground(new java.awt.Color(0, 102, 102));
        backclick.setText("<Back");</pre>
        backclick.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                backclickMouseClicked(evt);
        });
        ¡Panel2.setBackground(new java.awt.Color(0, 102, 102));
        jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icon/refresh-
data.png"))); // NOI18N
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            ¡Panel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                .addContainerGap(34, Short.MAX VALUE)
                .addComponent(jLabel1)
                .addGap(25, 25, 25))
        );
        iPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(195, 195, 195)
                .addComponent(jLabel1)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE))
        );
        rollno.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
        rollno.setForeground(new java.awt.Color(51, 51, 51));
        rollno.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                rollnoActionPerformed(evt);
```

```
});
jLabel2.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel2.setForeground(new java.awt.Color(153, 153, 153));
jLabel2.setText("Roll No.");
jLabel3.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel3.setForeground(new java.awt.Color(153, 153, 153));
jLabel3.setText("Name");
name.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
name.setForeground(new java.awt.Color(51, 51, 51));
name.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        nameActionPerformed(evt);
});
jLabel4.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel4.setForeground(new java.awt.Color(153, 153, 153));
jLabel4.setText("Father Name");
fathername.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
fathername.setForeground(new java.awt.Color(51, 51, 51));
fathername.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        fathernameActionPerformed(evt);
});
jLabel5.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel5.setForeground(new java.awt.Color(153, 153, 153));
iLabel5.setText("Mother Name");
mothername.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
mothername.setForeground(new java.awt.Color(51, 51, 51));
mothername.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        mothernameActionPerformed(evt);
});
jLabel6.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel6.setForeground(new java.awt.Color(153, 153, 153));
jLabel6.setText("D.O.B.");
dob.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
dob.setForeground(new java.awt.Color(51, 51, 51));
dob.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```
dobActionPerformed(evt);
    }
});
jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel7.setForeground(new java.awt.Color(153, 153, 153));
jLabel7.setText("Adhar No.");
adharno.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
adharno.setForeground(new java.awt.Color(51, 51, 51));
adharno.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        adharnoActionPerformed(evt);
});
jLabel8.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel8.setForeground(new java.awt.Color(153, 153, 153));
jLabel8.setText("Phone No.");
phoneno.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
phoneno.setForeground(new java.awt.Color(51, 51, 51));
phoneno.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        phonenoActionPerformed(evt);
});
jhquyf.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jhquyf.setForeground(new java.awt.Color(153, 153, 153));
jhguyf.setText("E-mail");
email.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
email.setForeground(new java.awt.Color(51, 51, 51));
email.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        emailActionPerformed(evt);
});
jLabel9.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel9.setForeground(new java.awt.Color(153, 153, 153));
jLabel9.setText("Class");
cl.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
cl.setForeground(new java.awt.Color(51, 51, 51));
cl.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        clActionPerformed(evt);
```

```
});
        jLabel10.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
        jLabel10.setForeground(new java.awt.Color(153, 153, 153));
        jLabel10.setText("Address");
        address.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
        address.setForeground(new java.awt.Color(51, 51, 51));
        address.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                addressActionPerformed(evt);
            }
        });
        Update.setBackground(new java.awt.Color(0, 102, 102));
        Update.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
        Update.setForeground(new java.awt.Color(255, 255, 255));
        Update.setText("Update");
        Update.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                UpdateActionPerformed(evt);
        });
        jLabel11.setFont(new java.awt.Font("Segoe UI Variable", 0, 12)); // NOI18N
        jLabel11.setForeground(new java.awt.Color(153, 153, 153));
        jLabel11.setText("@ Copyright 2024 anivesh. All rights reserved");
        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        ¡Panel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                 .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                 .addGap(33, 33, 33)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                             .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup()
                                 .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED SIZE, 71,
javax.swing.GroupLayout.PREFERRED SIZE)
                                 .addGap(269, 269, 269)
                                 .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED SIZE, 110,
javax.swing.GroupLayout.PREFERRED SIZE))
                             .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
| PanellLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
```

```
.addGroup(jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                         .addComponent(fathername,
                                        265, javax.swing.GroupLayout.PREFERRED SIZE)
javax.swing.GroupLayout.PREFERRED SIZE,
                                          .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED SIZE, 120, javax.swing.GroupLayout.PREFERRED SIZE))
                                     .addGap(75, 75, 75)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                          .addComponent (mothername,
javax.swing.GroupLayout.PREFERRED SIZE,
                                       265, javax.swing.GroupLayout.PREFERRED SIZE)
                                          .addComponent(adharno,
                                        265, javax.swing.GroupLayout.PREFERRED SIZE)
javax.swing.GroupLayout.PREFERRED SIZE,
                                         .addComponent(jhquyf,
                                        71, javax.swing.GroupLayout.PREFERRED SIZE)
javax.swing.GroupLayout.PREFERRED SIZE,
                                          .addComponent(email, javax.swing.GroupLayout.PREFERRED SIZE,
265, javax.swing.GroupLayout.PREFERRED SIZE)
                                         .addComponent(jLabel7,
javax.swing.GroupLayout.PREFERRED SIZE, 101, javax.swing.GroupLayout.PREFERRED SIZE)
                                         .addComponent(jLabel5,
javax.swing.GroupLayout.PREFERRED SIZE, 114, javax.swing.GroupLayout.PREFERRED SIZE)))
                                 .addGroup(jPanel1Layout.createSequentialGroup()
                                     .addComponent(rollno, javax.swing.GroupLayout.PREFERRED SIZE,
265, javax.swing.GroupLayout.PREFERRED SIZE)
                                     .addGap(75, 75, 75)
                                     .addComponent(name, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE)))
                             .addComponent(jLabel6, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED SIZE, 71, javax.swing.GroupLayout.PREFERRED SIZE)
                             .addComponent(dob, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED SIZE, 265, javax.swing.GroupLayout.PREFERRED SIZE)
                             .addComponent(phoneno, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED SIZE, 265, javax.swing.GroupLayout.PREFERRED SIZE)
                             .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                                     .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED SIZE,
71, javax.swing.GroupLayout.PREFERRED SIZE)
                                     .addComponent(cl, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE))
                                 .addGap(75, 75, 75)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                     .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED SIZE,
71, javax.swing.GroupLayout.PREFERRED SIZE)
                                     .addComponent(address)))
                             .addGroup(jPanel1Layout.createSequentialGroup()
                                  .addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED SIZE, 265,
```

```
javax.swing.GroupLayout.PREFERRED SIZE)
                                 .addGap(100, 100, 100)
                                 .addComponent(Update, javax.swing.GroupLayout.PREFERRED SIZE, 92,
javax.swing.GroupLayout.PREFERRED SIZE))
                             .addComponent(jLabel8, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED SIZE, 98, javax.swing.GroupLayout.PREFERRED SIZE))
                         .addContainerGap(javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE))
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addGap(140, 140, 140)
                         .addComponent(Heading, javax.swing.GroupLayout.PREFERRED SIZE, 370,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 69,
Short.MAX VALUE)
                         .addComponent(backclick, javax.swing.GroupLayout.PREFERRED SIZE, 52,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(49, 49, 49))))
        ¡Panel1Layout.setVerticalGroup(
            ¡Panel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
             .addGroup(jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addGap(20, 20, 20)
                         .addComponent(Heading))
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addContainerGap()
                         .addComponent(backclick, javax.swing.GroupLayout.PREFERRED SIZE, 30,
javax.swing.GroupLayout.PREFERRED SIZE)))
                 .addGap(32, 32, 32)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(jLabel2)
                     .addComponent(jLabel3))
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addGap(8, 8, 8)
                         .addComponent(rollno, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                         .addComponent(name, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)))
                 .addGap(28, 28, 28)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(jLabel5)
```

```
.addComponent(jLabel4))
                 .addGap(8, 8, 8)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(mothername, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(fathername, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                 .addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addComponent(jLabel6)
                         .addGap(8, 8, 8)
                         .addComponent(dob, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addComponent(jLabel7)
                         .addGap(8, 8, 8)
                         .addComponent(adharno, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)))
                 .addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addComponent(jLabel8)
                         .addGap(8, 8, 8)
                         .addComponent(phoneno, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addComponent(jhquyf)
                         .addGap(8, 8, 8)
                         .addComponent(email, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)))
                 .addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addComponent(jLabel10)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                         .addComponent(address, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addComponent(iLabel9)
                         .addGap(8, 8, 8)
                         .addComponent(cl, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)))
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel1Layout.createSequentialGroup()
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 32,
Short.MAX VALUE)
                        .addComponent(Update)
                         .addGap(69, 69, 69))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                         .addGap(50, 50, 50)
                         .addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED SIZE, 27,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addContainerGap(javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE))))
        );
        getContentPane().add(jPanel1);
        jPanel1.setBounds(0, 0, 900, 600);
        pack();
    }// </editor-fold>
   private void backclickMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        StudentPage obj =new StudentPage();
        obj.setVisible(true);
        dispose();
    }
    private void rollnoActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void nameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void fathernameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
   private void mothernameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void dobActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
   private void adharnoActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void phonenoActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
```

```
}
   private void emailActionPerformed(java.awt.event.ActionEvent evt) {
       // TODO add your handling code here:
   private void clActionPerformed(java.awt.event.ActionEvent evt) {
       // TODO add your handling code here:
   private void addressActionPerformed(java.awt.event.ActionEvent evt) {
       // TODO add your handling code here:
   private void UpdateActionPerformed(java.awt.event.ActionEvent evt) {
       // TODO add your handling code here:
       String r = rollno.getText();
       String nme = name.getText();
       String fname = fathername.getText();
       String mname = mothername.getText();
       String birth = dob.getText();
       String Adhar no = adharno.getText();
       String pnum = phoneno.getText();
       String mail = email.getText();
       String cls = cl.getText();
       String Add = address.getText();
       try{
           Class.forName("com.mysql.jdbc.Driver");
           Connection conn;
           conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/sms","root","2202");
           String sql;
           sql = "UPDATE `student` SET `Name ` ='"+nme+"', `Father name` = '"+fname+"',
Mother name` = '"+mname+"', `DOB` = '"+birth+"', `Adhar no` = '"+Adhar no+"', `Phone no` =
'"+pnum+"', `E mail` = '"+mail+"', `Class` = '"+cls+"', `Address` = '"+Add+"' WHERE `ID` = '"+r+"'";
           PreparedStatement ptstmt=conn.prepareStatement(sql);
           ptstmt.execute();
           JOptionPane.showMessageDialog(null, "Record has been Updated Sucessfully!");
        catch (HeadlessException | ClassNotFoundException | SQLException e)
           JOptionPane.showMessageDialog(null, e);
   }
   /**
```

```
* @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                 if ("Nimbus".equals(info.getName())) {
                     javax.swing.UIManager.setLookAndFeel(info.getClassName());
                     break;
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(EditStudent.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(EditStudent.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(EditStudent.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(EditStudent.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        //</editor-fold>
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new EditStudent().setVisible(true);
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JLabel Heading;
    private javax.swing.JButton Update;
    private javax.swing.JTextField address;
    private javax.swing.JTextField adharno;
    private javax.swing.JLabel backclick;
```

```
private javax.swing.JTextField cl;
private javax.swing.JTextField dob;
private javax.swing.JTextField email;
private javax.swing.JTextField fathername;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JLabel jhguyf;
private javax.swing.JTextField mothername;
private javax.swing.JTextField name;
private javax.swing.JTextField phoneno;
private javax.swing.JTextField rollno;
// End of variables declaration
```

Search & Delete Student Page Code:

```
/*
  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
license
  * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
  */
package schoolmanagement.system;
import java.awt.HeadlessException;
import javax.swing.JOptionPane;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

/**
  * @author it's Anivesh
  */
public class SearchandDelete extends javax.swing.JFrame {
    /**
    * Creates new form SearchandDelete
    */
    public SearchandDelete() {
        initComponents();
    }
}
```

```
* This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {
    ¡Panel1 = new javax.swing.JPanel();
    jPanel2 = new javax.swing.JPanel();
    Heading = new javax.swing.JLabel();
    back = new javax.swing.JLabel();
    jScrollPane1 = new javax.swing.JScrollPane();
    studenttable = new javax.swing.JTable();
    jLabel2 = new javax.swing.JLabel();
    delete = new javax.swing.JButton();
    search = new javax.swing.JButton();
    sid = new javax.swing.JTextField();
    text = new javax.swing.JLabel();
    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT ON CLOSE);
    setTitle("Search & Delete");
    setPreferredSize(new java.awt.Dimension(900, 600));
    jPanel1.setBackground(new java.awt.Color(255, 255, 255));
    jPanel1.setName(""); // NOI18N
    ¡Panell.setPreferredSize(new java.awt.Dimension(900, 600));
    jPanel1.setLayout(null);
    jPanel2.setBackground(new java.awt.Color(0, 102, 102));
    Heading.setBackground(new java.awt.Color(255, 255, 255));
    Heading.setFont(new java.awt.Font("Segoe UI", 1, 36)); // NOI18N
    Heading.setForeground(new java.awt.Color(255, 255, 255));
    Heading.setText("Search & Delete Student.");
    back.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
    back.setForeground(new java.awt.Color(255, 255, 255));
    back.setText("<Back");</pre>
    back.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            backMouseClicked(evt);
        }
    });
    javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(
```

```
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                                   .addGroup(jPanel2Layout.createSequentialGroup()
                                                                   .addContainerGap(248, Short.MAX VALUE)
   .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                                                                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
 ¡Panel2Layout.createSequentialGroup()
                                                                                                    .addComponent(Heading, javax.swing.GroupLayout.PREFERRED SIZE, 440,
javax.swing.GroupLayout.PREFERRED SIZE)
                                                                                                    .addGap(212, 212, 212))
                                                                                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
 jPanel2Layout.createSequentialGroup()
                                                                                                    .addComponent(back, javax.swing.GroupLayout.PREFERRED SIZE, 52,
javax.swing.GroupLayout.PREFERRED SIZE)
                                                                                                   .addGap(22, 22, 22))))
                                 );
                                  jPanel2Layout.setVerticalGroup(
                                                  ¡Panel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                                   .addGroup(jPanel2Layout.createSequentialGroup()
                                                                    .addContainerGap()
                                                                   .addComponent(back, javax.swing.GroupLayout.PREFERRED SIZE, 38,
 javax.swing.GroupLayout.PREFERRED SIZE)
                                                                   .addGap(1, 1, 1)
                                                                   .addComponent(Heading)
                                                                   .addContainerGap(47, Short.MAX VALUE))
                                  );
                                  jPanel1.add(jPanel2);
                                 jPanel2.setBounds(0, 0, 900, 140);
                                 studenttable.setModel(new javax.swing.table.DefaultTableModel(
                                                  new Object [][] {
                                                                   {null, null, null,
                                                                   {null, null, null,
                                                                   {null, null, 
                                                                   {null, null, null},
                                                                   {null, null, null, null, null, null, null, null, null, null, null,
                                                                   {null, null, null,
                                                                  {null, null, null, null, null, null, null, null, null, null, null
                                                  new String [] {
                                                                   "Id", "Name", "Father name", "Mother name", "DOB", "Adhar no", "Phone no", "E-mail",
  "Class", "Address"
                                 ) {
                                                  Class[] types = new Class [] {
                                                                   java.lang.Integer.class, java.lang.String.class, java.lang.String.class,
java.lang.String.class, java.lang.String.class, java.lang.String.class, java.lang.String.class,
 java.lang.String.class, java.lang.String.class, java.lang.String.class
                                                   };
```

```
public Class getColumnClass(int columnIndex) {
        return types [columnIndex];
    }
});
jScrollPane1.setViewportView(studenttable);
¡Panel1.add(¡ScrollPane1);
jScrollPane1.setBounds(0, 180, 900, 160);
jLabel2.setBackground(new java.awt.Color(0, 102, 102));
jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel2.setForeground(new java.awt.Color(0, 102, 102));
jLabel2.setText("Student Details.");
¡Panel1.add(¡Label2);
jLabel2.setBounds(360, 150, 220, 20);
delete.setBackground(new java.awt.Color(0, 102, 102));
delete.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
delete.setForeground(new java.awt.Color(255, 255, 255));
delete.setText("DELETE");
delete.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
        deleteActionPerformed(evt);
});
¡Panel1.add(delete);
delete.setBounds(240, 470, 150, 40);
search.setBackground(new java.awt.Color(0, 102, 102));
search.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
search.setForeground(new java.awt.Color(255, 255, 255));
search.setText("SEARCH");
search.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
        searchActionPerformed(evt);
});
jPanel1.add(search);
search.setBounds(360, 370, 150, 40);
sid.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
        sidActionPerformed(evt);
});
jPanel1.add(sid);
sid.setBounds(60, 470, 150, 40);
text.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
```

```
text.setForeground(new java.awt.Color(0, 102, 102));
        text.setText("Enter Id for Serch and Delete Student..");
        text.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                textMouseClicked(evt);
        });
        ¡Panel1.add(text);
        text.setBounds(60, 430, 220, 33);
        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 22, Short.MAX VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 12, Short.MAX VALUE))
        );
        pack();
    }// </editor-fold>
    private void deleteActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String sd = sid.getText();
        try{
            Class.forName("com.mysql.jdbc.Driver");
            Connection conn;
            conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/sms","root","2202");
            Statement st= conn.createStatement();
            String sql = "DELETE FROM `student` WHERE ID ="+sd;
            PreparedStatement ptst = conn.prepareStatement(sql);
            ptst.executeUpdate();
            JOptionPane.showMessageDialog(null, "Record Deleted");
            conn.close();
            sid.setText("");
        catch(HeadlessException | ClassNotFoundException | SQLException e) {
            JOptionPane.showMessageDialog(null,e);
    }
```

```
private void searchActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        try{
            Class.forName("com.mysql.jdbc.Driver");
            Connection conn;
            conn = DriverManager.getConnection("jdbc:mysgl://localhost:3306/sms","root","2202");
            Statement st= conn.createStatement();
            String sql = "select * from student";
            PreparedStatement ptst = conn.prepareStatement(sql);
            ResultSet rs =ptst.executeQuery();
            DefaultTableModel tm = (DefaultTableModel) studenttable.getModel();
            tm.setRowCount(0);
            while(rs.next()){
o[]={rs.getInt("ID"),rs.getString("Name "),rs.getString("Father name"),rs.getString("Mother name"),r
s.getString("DOB"),rs.getString("Adhar no"),rs.getString("Phone no"),rs.getString("E mail"),rs.getSt
ring("Class"),rs.getString("Address")};
                tm.addRow(o);
        catch(HeadlessException | ClassNotFoundException | SQLException e) {
            JOptionPane.showMessageDialog(null, "Error while establishing connection!");
    }
    private void sidActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void textMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
    private void backMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        StudentPage obj =new StudentPage();
        obj.setVisible(true);
        dispose();
    }
    /**
     * @param args the command line arguments
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
```

```
* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info:
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                     javax.swing.UIManager.setLookAndFeel(info.getClassName());
                     break;
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(SearchandDelete.class.getName()).log(java.util.logging.Level.SEVE
RE, null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(SearchandDelete.class.getName()).log(java.util.logging.Level.SEVE
RE, null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(SearchandDelete.class.getName()).log(java.util.logging.Level.SEVE
RE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(SearchandDelete.class.getName()).log(java.util.logging.Level.SEVE
RE, null, ex);
        //</editor-fold>
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new SearchandDelete().setVisible(true);
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JLabel Heading;
    private javax.swing.JLabel back;
    private javax.swing.JButton delete;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JButton search;
    private javax.swing.JTextField sid;
    private javax.swing.JTable studenttable;
    private javax.swing.JLabel text;
    // End of variables declaration
```

```
Student Attendance Page Code: -
```

```
* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
package schoolmanagement.system;
import java.awt.HeadlessException;
import javax.swing.JOptionPane;
import java.sql.*;
/**
 * @author anive
public class StudentAttendance extends javax.swing.JFrame {
     * Creates new form StudentAttendance
    public StudentAttendance() {
        initComponents();
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
        jPanel1 = new javax.swing.JPanel();
        ¡Panel2 = new javax.swing.JPanel();
        Heading = new javax.swing.JLabel();
        back = new javax.swing.JLabel();
        Heading1 = new javax.swing.JLabel();
        first = new javax.swing.JComboBox<>();
        text6 = new javax.swing.JLabel();
        text7 = new javax.swing.JLabel();
        second = new javax.swing.JComboBox<>();
        id = new javax.swing.JTextField();
        date = new javax.swing.JTextField();
        text8 = new javax.swing.JLabel();
        text9 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        next = new javax.swing.JButton();
```

```
submit = new javax.swing.JButton();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT ON CLOSE);
        setTitle("ATTENDANCE");
        setPreferredSize(new java.awt.Dimension(800, 500));
        ¡Panel1.setBackground(new java.awt.Color(255, 255, 255));
        ¡Panel1.setPreferredSize(new java.awt.Dimension(800, 500));
        ¡Panel2.setBackground(new java.awt.Color(0, 102, 102));
        Heading.setBackground(new java.awt.Color(0, 102, 102));
        Heading.setFont(new java.awt.Font("Segoe UI", 2, 24)); // NOI18N
        Heading.setForeground(new java.awt.Color(255, 255, 255));
        Heading.setText("hey, good Morning");
        back.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
        back.setForeground(new java.awt.Color(255, 255, 255));
        back.setText("<back");</pre>
        back.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                backMouseClicked(evt);
            }
        });
        Heading1.setBackground(new java.awt.Color(0, 102, 102));
        Heading1.setFont(new java.awt.Font("Segoe UI", 1, 36)); // NOI18N
        Heading1.setForeground(new java.awt.Color(255, 255, 255));
        Heading1.setText("STUDENT ATTENDANCE");
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        ¡Panel2Layout.setHorizontalGroup(
            ¡Panel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(28, 28, 28)
                .addComponent(Heading)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
                .addComponent(back, javax.swing.GroupLayout.PREFERRED SIZE, 50,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(318, 318, 318))
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(188, 188, 188)
                .addComponent(Heading1)
                .addContainerGap(502, Short.MAX VALUE))
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel2Layout.createSequentialGroup()
                         .addGap(23, 23, 23)
                         .addComponent(Heading))
                    .addGroup(jPanel2Layout.createSequentialGroup()
                         .addGap(14, 14, 14)
                         .addComponent(back, javax.swing.GroupLayout.PREFERRED SIZE, 30,
javax.swing.GroupLayout.PREFERRED SIZE)))
                .addGap(18, 18, 18)
                .addComponent(Heading1)
                .addContainerGap(33, Short.MAX VALUE))
        );
        first.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Select One", "Present
", "Absent", "Leave" }));
        text6.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
        text6.setForeground(new java.awt.Color(0, 102, 102));
        text6.setText("First Half :-");
        text6.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                text6MouseClicked(evt);
        });
        text7.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
        text7.setForeground(new java.awt.Color(0, 102, 102));
        text7.setText("Second Half :-");
        text7.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                text7MouseClicked(evt);
        });
        second.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Select One", "Present
", "Absent", "Leave" }));
        id.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
        id.setForeground(new java.awt.Color(51, 51, 51));
        id.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                idActionPerformed(evt);
        });
        date.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
        date.setForeground(new java.awt.Color(51, 51, 51));
        date.setText("YYYY/MM/DD");
        date.addActionListener(new java.awt.event.ActionListener() {
```

```
public void actionPerformed(java.awt.event.ActionEvent evt) {
        dateActionPerformed(evt);
});
text8.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
text8.setForeground(new java.awt.Color(0, 102, 102));
text8.setText("Date :-");
text8.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        text8MouseClicked(evt);
    }
});
text9.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
text9.setForeground(new java.awt.Color(0, 102, 102));
text9.setText("Id :-");
text9.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        text9MouseClicked(evt);
    }
});
jLabel3.setFont(new java.awt.Font("Segoe UI", 3, 12)); // NOI18N
jLabel3.setForeground(new java.awt.Color(0, 102, 102));
jLabel3.setText("-: Mark your Presence :-");
next.setBackground(new java.awt.Color(0, 102, 102));
next.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
next.setForeground(new java.awt.Color(255, 255, 255));
next.setText("Next");
next.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        nextActionPerformed(evt);
    }
});
submit.setBackground(new java.awt.Color(0, 102, 102));
submit.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
submit.setForeground(new java.awt.Color(255, 255, 255));
submit.setText("Submit");
submit.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        submitActionPerformed(evt);
    }
});
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
```

```
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                 .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                 .addGap(0, 0, Short.MAX VALUE))
            .addGroup(jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addGap(316, 316, 316)
                         .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED SIZE, 190,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addGap(60, 60, 60)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                             .addComponent(text6)
                             .addComponent(text9))
                         .addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                             .addComponent(id)
                             .addComponent(first, 0, 170, Short.MAX VALUE))
                         .addGap(73, 73, 73)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                             .addComponent(text7)
                             .addComponent(text8))
                         .addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                             .addComponent(date, javax.swing.GroupLayout.DEFAULT SIZE, 170,
Short.MAX VALUE)
                             .addComponent(second, 0, javax.swing.GroupLayout.DEFAULT SIZE,
Short.MAX VALUE)))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                         .addGap(303, 303, 303)
                         .addComponent(next, javax.swing.GroupLayout.PREFERRED SIZE, 80,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                         .addComponent(submit, javax.swing.GroupLayout.PREFERRED SIZE, 80,
javax.swing.GroupLayout.PREFERRED SIZE)))
                .addContainerGap(javax.swinq.GroupLayout.DEFAULT SIZE, Short.MAX VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                 .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED SIZE, 32,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(33, 33, 33)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                         .addComponent(second, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addComponent(text7, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                         .addComponent(first, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addComponent(text6, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE)))
                .addGap(38, 38, 38)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(id, javax.swing.GroupLayout.PREFERRED SIZE, 32,
javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(date, javax.swing.GroupLayout.PREFERRED SIZE, 32,
javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(text8, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(text9, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE))
                 .addGap(46, 46, 46)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(next)
                     .addComponent(submit))
                .addGap(0, 96, Short.MAX VALUE))
        );
        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
             .addGroup(layout.createSequentialGroup()
                 .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                 .addGap(0, 6, Short.MAX VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                 .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
```

```
.addGap(0, 0, Short.MAX VALUE))
    );
    pack();
}// </editor-fold>
private void backMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    StudentPage obj =new StudentPage();
    obj.setVisible(true);
    dispose();
}
private void text6MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
private void text7MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
private void idActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
private void dateActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
private void text8MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
private void text9MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
private void nextActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    StudentAttendance obj =new StudentAttendance();
    obj.setVisible(true);
    dispose();
private void submitActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String i=id.getText();
    String d = date.getText();
    try{
```

```
Class.forName("com.mysql.jdbc.Driver");
            try (Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/sms","root","2202")) {
                String sql = "insert into Student Attendance values (?,?,?,?)";
                PreparedStatement ptstmt=conn.prepareStatement(sql);
                ptstmt.setString(1, id.getText());
                ptstmt.setString(2, date.getText());
                ptstmt.setString(3, (String) first.getSelectedItem());
                ptstmt.setString(4, (String) second.getSelectedItem());
                ptstmt.executeUpdate();
                JOptionPane.showMessageDialog(null, "Attendence Marked Sucessfully");
            }
        catch (HeadlessException | ClassNotFoundException | SQLException e)
            JOptionPane.showMessageDialog(null, e);
    }
     * @param args the command line arguments
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                     javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(StudentAttendance.class.getName()).log(java.util.logging.Level.SE
VERE, null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(StudentAttendance.class.getName()).log(java.util.logging.Level.SE
VERE, null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(StudentAttendance.class.getName()).log(java.util.logging.Level.SE
```

```
VERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(StudentAttendance.class.getName()).log(java.util.logging.Level.SE
VERE, null, ex);
        //</editor-fold>
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new StudentAttendance().setVisible(true);
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JLabel Heading;
    private javax.swing.JLabel Heading1;
    private javax.swing.JLabel back;
    private javax.swing.JTextField date;
    private javax.swing.JComboBox<String> first;
    private javax.swing.JTextField id;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JButton next;
    private javax.swing.JComboBox<String> second;
    private javax.swing.JButton submit;
    private javax.swing.JLabel text6;
    private javax.swing.JLabel text7;
    private javax.swing.JLabel text8;
    private javax.swing.JLabel text9;
    // End of variables declaration
 Teacher Page Code: -
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
package schoolmanagement.system;
/**
 * @author it's Anivesh
public class TeacherPage extends javax.swing.JFrame {
```

```
* Creates new form TeacherPage
   public TeacherPage() {
       initComponents();
   }
   /**
    * This method is called from within the constructor to initialize the form.
    * WARNING: Do NOT modify this code. The content of this method is always
    * regenerated by the Form Editor.
   @SuppressWarnings("unchecked")
   // <editor-fold defaultstate="collapsed" desc="Generated Code">
   private void initComponents() {
       jPanel1 = new javax.swing.JPanel();
       jPanel2 = new javax.swing.JPanel();
       jLabel4 = new javax.swing.JLabel();
       Schoolname1 = new javax.swing.JLabel();
       Schoolname = new javax.swing.JLabel();
       backclick = new javax.swing.JLabel();
       jLabel5 = new javax.swing.JLabel();
       Heading = new javax.swing.JLabel();
       addteacher = new javax.swing.JButton();
       editteacher = new javax.swing.JButton();
       searchanddelete = new javax.swing.JButton();
       attendence = new javax.swing.JButton();
       setDefaultCloseOperation(javax.swing.WindowConstants.EXIT ON CLOSE);
       setPreferredSize(new java.awt.Dimension(800, 500));
       jPanel1.setBackground(new java.awt.Color(255, 255, 255));
       jPanel1.setPreferredSize(new java.awt.Dimension(800, 500));
       jPanel1.setLayout(null);
       jPanel2.setBackground(new java.awt.Color(0, 102, 102));
       jPanel2.setPreferredSize(new java.awt.Dimension(400, 500));
       jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/icon/pngwing.com
(1).png"))); // NOI18N
       Schoolname1.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N
       Schoolname1.setForeground(new java.awt.Color(255, 255, 255));
       Schoolname1.setText(" School Management");
       Schoolname.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N
       Schoolname.setForeground(new java.awt.Color(255, 255, 255));
       Schoolname.setText("System");
```

```
backclick.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
        backclick.setForeground(new java.awt.Color(255, 255, 255));
        backclick.setText("<Back");</pre>
        backclick.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                backclickMouseClicked(evt);
        });
        jLabel5.setFont(new java.awt.Font("Seque UI Variable", 0, 12)); // NOI18N
        jLabel5.setForeground(new java.awt.Color(153, 153, 153));
        jLabel5.setText("@ Copyright 2024 anivesh. All rights reserved");
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            ¡Panel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
             .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                 .addContainerGap(96, Short.MAX VALUE)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                         .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                             .addComponent(jLabel4)
                             .addGap(124, 124, 124))
                         .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                             .addComponent(Schoolname1)
                             .addGap(66, 66, 66))
                         .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                             .addComponent(backclick, javax.swing.GroupLayout.PREFERRED SIZE, 52,
javax.swing.GroupLayout.PREFERRED SIZE)
                             .addGap(19, 19, 19))
                         .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                             .addComponent(Schoolname)
                             .addGap(138, 138, 138)))))
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
             .addGroup(jPanel2Layout.createSequentialGroup()
                 .addGap(19, 19, 19)
                 .addComponent(backclick, javax.swing.GroupLayout.PREFERRED SIZE, 30,
```

```
javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(73, 73, 73)
                .addComponent(jLabel4)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent (Schoolname1)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(Schoolname)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 71,
Short.MAX VALUE)
                 .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED SIZE, 31,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(60, 60, 60))
        );
        ¡Panel1.add(¡Panel2);
        jPanel2.setBounds(400, 0, 400, 500);
        Heading.setBackground(new java.awt.Color(0, 102, 102));
        Heading.setFont(new java.awt.Font("Segoe UI", 1, 36)); // NOI18N
        Heading.setForeground(new java.awt.Color(0, 102, 102));
        Heading.setText("TEACHER PAGE");
        iPanel1.add(Heading);
        Heading.setBounds(70, 50, 270, 48);
        addteacher.setBackground(new java.awt.Color(0, 102, 102));
        addteacher.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        addteacher.setForeground(new java.awt.Color(255, 255, 255));
        addteacher.setText("ADD TEACHER");
        addteacher.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                addteacherActionPerformed(evt);
        });
        ¡Panell.add(addteacher);
        addteacher.setBounds(100, 160, 220, 40);
        editteacher.setBackground(new java.awt.Color(0, 102, 102));
        editteacher.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        editteacher.setForeground(new java.awt.Color(255, 255, 255));
        editteacher.setText("EDIT TEACHER");
        editteacher.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                editteacherActionPerformed(evt);
        });
        jPanel1.add(editteacher);
        editteacher.setBounds(100, 220, 220, 40);
        searchanddelete.setBackground(new java.awt.Color(0, 102, 102));
        searchanddelete.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
```

```
searchanddelete.setForeground(new java.awt.Color(255, 255, 255));
        searchanddelete.setText("SEARCH & DELETE");
        searchanddelete.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                searchanddeleteActionPerformed(evt);
        });
        ¡Panel1.add(searchanddelete);
        searchanddelete.setBounds(100, 280, 220, 40);
        attendence.setBackground(new java.awt.Color(0, 102, 102));
        attendence.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        attendence.setForeground(new java.awt.Color(255, 255, 255));
        attendence.setText("ATTENDENCE");
        attendence.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                attendenceActionPerformed(evt);
        });
        jPanel1.add(attendence);
        attendence.setBounds(100, 340, 220, 40);
        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
        pack();
    }// </editor-fold>
    private void addteacherActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        AddTeacherPage obj =new AddTeacherPage();
        obj.setVisible(true);
        dispose();
    private void editteacherActionPerformed(java.awt.event.ActionEvent evt) {
```

```
// TODO add your handling code here:
        EditTeacher obj =new EditTeacher();
        obj.setVisible(true);
        dispose();
   private void searchanddeleteActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        TeacherSandD obj =new TeacherSandD();
        obj.setVisible(true);
        dispose();
    }
    private void attendenceActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        Attendance obj =new Attendance();
        obj.setVisible(true);
        dispose();
    }
   private void backclickMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        Welcome obj =new Welcome();
        obj.setVisible(true);
        dispose();
    }
    /**
     * @param args the command line arguments
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(TeacherPage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
```

```
java.util.logging.Logger.getLogger(TeacherPage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(TeacherPage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(TeacherPage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        //</editor-fold>
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new TeacherPage().setVisible(true);
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JLabel Heading;
    private javax.swing.JLabel Schoolname;
    private javax.swing.JLabel Schoolnamel;
    private javax.swing.JButton addteacher;
    private javax.swing.JButton attendence;
    private javax.swing.JLabel backclick;
    private javax.swing.JButton editteacher;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JPanel jPanell;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JButton searchanddelete;
    // End of variables declaration
 Add Teacher Page Code: -
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
package schoolmanagement.system;
import java.awt.HeadlessException;
import javax.swing.JOptionPane;
import java.sql.*;
/**
```

```
* @author it's Anivesh
public class AddTeacherPage extends javax.swing.JFrame {
    /**
     * Creates new form AddTeacherPage
    /*private static final String username ="root";
    private static final String password ="2202";
    private static final String Conn ="jdbc:mysgl://localhost:3306/sms";*/
    /*Connection sqlConn=null;
    PreparedStatement pst = null;
    ResultSet rs = null;
    int q , i ,id , deleteItem;*/
    public AddTeacherPage() {
        initComponents();
    /**
     * This method is called from within the constructor to initialize the form.
     ^{\star} WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
   /* public void upDateDB()
        try
        Class.forName("com.mysql.jdbc.Driver");
        sqlConn = DriverManager.getConnection(dataConn,username,password);
        pst = sqlConn.prepareStatement("Select * form sms");
        rs = pst.executeQuery();
        ResultSetMetaData stData = rs.getMetaData();
        q = stData.getColumnCount()
    } * /
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
        jPanel3 = new javax.swing.JPanel();
        ¡Panel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
```

```
jPanel4 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        Heading = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        fathername = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        name = new javax.swing.JTextField();
        jLabel5 = new javax.swing.JLabel();
        education = new javax.swing.JTextField();
        jLabel6 = new javax.swing.JLabel();
        department = new javax.swing.JTextField();
        jLabel7 = new javax.swing.JLabel();
        adharno = new javax.swing.JTextField();
        phoneno = new javax.swing.JTextField();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        email = new javax.swing.JTextField();
        dob = new javax.swing.JTextField();
        jhquyf = new javax.swing.JLabel();
        address = new javax.swing.JTextField();
        jLabel10 = new javax.swing.JLabel();
        submit = new javax.swing.JButton();
        backclick = new javax.swing.JLabel();
        jLabel11 = new javax.swing.JLabel();
        teacherid = new javax.swing.JTextField();
        New = new javax.swing.JButton();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT ON CLOSE);
        jPanel3.setBackground(new java.awt.Color(255, 255, 255));
        jPanel3.setPreferredSize(new java.awt.Dimension(900, 600));
        jPanel3.setLayout(null);
        jPanel1.setBackground(new java.awt.Color(0, 102, 102));
        jLabel1.setIcon(new
                              javax.swing.ImageIcon(getClass().getResource("/icon/add-friend.png")));
// NOI18N
        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        ¡Panel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
¡Panel1Layout.createSequentialGroup()
                .addContainerGap(34, Short.MAX VALUE)
                .addComponent(jLabel1)
                .addGap(25, 25, 25))
        );
        jPanel1Layout.setVerticalGroup(
            ¡Panel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(195, 195, 195)
                .addComponent(jLabel1)
                .addContainerGap(277, Short.MAX VALUE))
        );
        ¡Panel3.add(¡Panel1);
        jPanel1.setBounds(0, 0, 187, 600);
        jPanel2.setBackground(new java.awt.Color(255, 255, 255));
        iPanel2.setPreferredSize(new java.awt.Dimension(900, 600));
        jPanel4.setBackground(new java.awt.Color(0, 102, 102));
                              javax.swing.ImageIcon(getClass().getResource("/icon/add-friend.png")));
        jLabel2.setIcon(new
// NOI18N
        javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
        ¡Panel4.setLayout(jPanel4Layout);
        jPanel4Layout.setHorizontalGroup(
            jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel4Layout.createSequentialGroup()
                .addContainerGap(34, Short.MAX VALUE)
                .addComponent(jLabel2)
                .addGap(25, 25, 25))
        jPanel4Layout.setVerticalGroup(
            ¡Panel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel4Layout.createSequentialGroup()
                .addGap(195, 195, 195)
                .addComponent(jLabel2)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE))
        );
        Heading.setBackground(new java.awt.Color(0, 102, 102));
        Heading.setFont(new java.awt.Font("Segoe UI", 1, 36)); // NOI18N
        Heading.setForeground(new java.awt.Color(0, 102, 102));
        Heading.setText("ADD NEW TEACHER");
        jLabel3.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
        jLabel3.setForeground(new java.awt.Color(153, 153, 153));
        jLabel3.setText("Full Name");
        fathername.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
        fathername.setForeground(new java.awt.Color(51, 51, 51));
        fathername.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                fathernameActionPerformed(evt);
```

```
});
jLabel4.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel4.setForeground(new java.awt.Color(153, 153, 153));
jLabel4.setText("Father Name");
name.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
name.setForeground(new java.awt.Color(51, 51, 51));
name.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        nameActionPerformed(evt);
    }
});
jLabel5.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel5.setForeground(new java.awt.Color(153, 153, 153));
jLabel5.setText("Education");
education.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
education.setForeground(new java.awt.Color(51, 51, 51));
education.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        educationActionPerformed(evt);
});
jLabel6.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel6.setForeground(new java.awt.Color(153, 153, 153));
jLabel6.setText("Department");
department.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
department.setForeground(new java.awt.Color(51, 51, 51));
department.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        departmentActionPerformed(evt);
});
jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel7.setForeground(new java.awt.Color(153, 153, 153));
jLabel7.setText("Adhar No.");
adharno.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
adharno.setForeground(new java.awt.Color(51, 51, 51));
adharno.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        adharnoActionPerformed(evt);
});
```

```
phoneno.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
phoneno.setForeground(new java.awt.Color(51, 51, 51));
phoneno.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        phonenoActionPerformed(evt);
});
jLabel8.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel8.setForeground(new java.awt.Color(153, 153, 153));
jLabel8.setText("Phone No.");
jLabel9.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel9.setForeground(new java.awt.Color(153, 153, 153));
jLabel9.setText("E-mail");
email.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
email.setForeground(new java.awt.Color(51, 51, 51));
email.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        emailActionPerformed(evt);
});
dob.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
dob.setForeground(new java.awt.Color(51, 51, 51));
dob.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        dobActionPerformed(evt);
});
jhquyf.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jhguyf.setForeground(new java.awt.Color(153, 153, 153));
jhguyf.setText("D.O.B.");
address.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
address.setForeground(new java.awt.Color(51, 51, 51));
address.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        addressActionPerformed(evt);
    }
});
jLabel10.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel10.setForeground(new java.awt.Color(153, 153, 153));
jLabel10.setText("Address");
submit.setBackground(new java.awt.Color(0, 102, 102));
submit.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
```

```
submit.setText("Submit");
        submit.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                submitActionPerformed(evt);
        });
        backclick.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
       backclick.setForeground(new java.awt.Color(0, 102, 102));
        backclick.setText("<Back");</pre>
       backclick.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                backclickMouseClicked(evt);
        });
        jLabel11.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
        jLabel11.setForeground(new java.awt.Color(153, 153, 153));
        jLabel11.setText("Teacher Id");
        teacherid.setFont(new java.awt.Font("Seqoe UI", 0, 16)); // NOI18N
        teacherid.setForeground(new java.awt.Color(51, 51, 51));
        teacherid.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                teacheridActionPerformed(evt);
        });
        New.setBackground(new java.awt.Color(0, 102, 102));
        New.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
       New.setForeground(new java.awt.Color(255, 255, 255));
        New.setText("New");
       New.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                NewActionPerformed(evt);
        });
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(33, 33, 33)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel2Layout.createSequentialGroup()
```

submit.setForeground(new java.awt.Color(255, 255, 255));

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                             .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel2Layout.createSequentialGroup()
                                 .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED SIZE, 71,
javax.swing.GroupLayout.PREFERRED SIZE)
                                 .addGap(269, 269, 269)
                                 .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED SIZE, 110,
javax.swing.GroupLayout.PREFERRED SIZE))
                             .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
¡Panel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                                 .addGroup(jPanel2Layout.createSequentialGroup()
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                         .addComponent(education,
javax.swing.GroupLayout.PREFERRED SIZE, 265, javax.swing.GroupLayout.PREFERRED SIZE)
                                          .addComponent(jLabel5,
javax.swing.GroupLayout.PREFERRED SIZE, 120, javax.swing.GroupLayout.PREFERRED SIZE))
                                      .addGap(75, 75, 75)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                          .addComponent (department,
                                       265, javax.swing.GroupLayout.PREFERRED SIZE)
javax.swing.GroupLayout.PREFERRED SIZE,
                                          .addComponent (phoneno,
javax.swing.GroupLayout.PREFERRED SIZE,
                                        265, javax.swing.GroupLayout.PREFERRED SIZE)
                                         .addComponent(jhquyf,
                                        71, javax.swing.GroupLayout.PREFERRED SIZE)
javax.swing.GroupLayout.PREFERRED SIZE,
                                          .addComponent(dob, javax.swing.GroupLayout.PREFERRED SIZE,
265, javax.swing.GroupLayout.PREFERRED SIZE)
                                          .addComponent(jLabel8,
javax.swing.GroupLayout.PREFERRED SIZE, 101, javax.swing.GroupLayout.PREFERRED SIZE)
                                          .addComponent(jLabel6)))
                                 .addGroup(jPanel2Layout.createSequentialGroup()
                                     .addComponent(name, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE)
                                     .addGap(75, 75, 75)
                                     .addComponent(fathername,
javax.swing.GroupLayout.PREFERRED SIZE, 265, javax.swing.GroupLayout.PREFERRED SIZE)))
                             .addComponent(jLabel7, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED SIZE, 71, javax.swing.GroupLayout.PREFERRED SIZE)
                             .addComponent(adharno, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED SIZE, 265, javax.swing.GroupLayout.PREFERRED SIZE)
                             .addComponent(jLabel9, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED SIZE, 71, javax.swing.GroupLayout.PREFERRED SIZE)
                             .addComponent(email, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED SIZE, 265, javax.swing.GroupLayout.PREFERRED SIZE)
                             .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel2Layout.createSequentialGroup()
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addComponent(teacherid, javax.swing.GroupLayout.PREFERRED SIZE,
265, javax.swing.GroupLayout.PREFERRED SIZE)
                                     .addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED SIZE,
82, javax.swing.GroupLayout.PREFERRED SIZE))
                                 .addGap(75, 75, 75)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                     .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED SIZE,
71, javax.swing.GroupLayout.PREFERRED SIZE)
                                     .addComponent(address)))
                             .addGroup(jPanel2Layout.createSequentialGroup()
                                 .addComponent(New, javax.swing.GroupLayout.PREFERRED SIZE, 92,
javax.swing.GroupLayout.PREFERRED SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                                 .addComponent(submit, javax.swing.GroupLayout.PREFERRED SIZE, 92,
javax.swing.GroupLayout.PREFERRED SIZE)))
                         .addContainerGap(javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE))
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addGap(140, 140, 140)
                         .addComponent(Heading, javax.swing.GroupLayout.PREFERRED SIZE, 370,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 69,
Short.MAX VALUE)
                         .addComponent(backclick, javax.swing.GroupLayout.PREFERRED SIZE, 52,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(49, 49, 49))))
        );
        ¡Panel2Layout.setVerticalGroup(
            ¡Panel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
             .addGroup(jPanel2Layout.createSequentialGroup()
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addGap(20, 20, 20)
                         .addComponent(Heading))
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addContainerGap()
                         .addComponent(backclick, javax.swing.GroupLayout.PREFERRED SIZE, 30,
javax.swing.GroupLayout.PREFERRED SIZE)))
                .addGap(32, 32, 32)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(jLabel3)
                     .addComponent(jLabel4))
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addComponent(fathername, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(name, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                .addGap(24, 24, 24)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(jLabel6)
                     .addComponent(jLabel5))
                .addGap(8, 8, 8)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(department, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(education, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                 .addGap(18, 18, 18)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(jLabel7)
                         .addGap(8, 8, 8)
                         .addComponent(adharno, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(jLabel8)
                         .addGap(8, 8, 8)
                         .addComponent(phoneno, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)))
                 .addGap(18, 18, 18)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(jLabel9)
                         .addGap(8, 8, 8)
                         .addComponent(email, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(jhguyf)
                         .addGap(8, 8, 8)
                         .addComponent(dob, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)))
                .addGap(18, 18, 18)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(jLabel10)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                         .addComponent(address, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
```

```
.addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(jLabel11)
                         .addGap(8, 8, 8)
                         .addComponent(teacherid, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)))
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 32,
Short.MAX VALUE)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(submit)
                     .addComponent(New))
                 .addGap(69, 69, 69))
        );
        ¡Panel3.add(¡Panel2);
        ¡Panel2.setBounds(0, 0, 900, 600);
        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                 .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                 .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
        pack();
    }// </editor-fold>
    private void fathernameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void nameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void educationActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void departmentActionPerformed(java.awt.event.ActionEvent evt) {
```

```
// TODO add your handling code here:
    }
   private void adharnoActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void phonenoActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void emailActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void dobActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void addressActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void submitActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        try{
            Class.forName("com.mysql.jdbc.Driver");
            try (Connection conn =
DriverManager.getConnection("jdbc:mysgl://localhost:3306/sms","root","2202")) {
                String sql = "insert into Teacher values (?,?,?,?,?,?,?,?,?,?)";
                PreparedStatement ptstmt=conn.prepareStatement(sql);
                ptstmt.setString(1, teacherid.getText());
                ptstmt.setString(2, name.getText());
                ptstmt.setString(3, fathername.getText());
                ptstmt.setString(4, education.getText());
                ptstmt.setString(5, department.getText());
                ptstmt.setString(6, adharno.getText());
                ptstmt.setString(7, phoneno.getText());
                ptstmt.setString(8, email.getText());
                ptstmt.setString(9, dob.getText());
                ptstmt.setString(10, address.getText());
                ptstmt.executeUpdate();
                JOptionPane.showMessageDialog(null, "Data Stores Sucessfully");
            }
        catch (HeadlessException | ClassNotFoundException | SQLException e)
            JOptionPane.showMessageDialog(null, e);
```

```
}
    private void backclickMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        TeacherPage obj =new TeacherPage();
        obj.setVisible(true);
        dispose();
    }
    private void teacheridActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void NewActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        AddTeacherPage obj =new AddTeacherPage();
        obj.setVisible(true);
        dispose();
    }
    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                     javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(AddTeacherPage.class.getName()).log(java.util.logging.Level.SEVER
E, null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(AddTeacherPage.class.getName()).log(java.util.logging.Level.SEVER
E, null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(AddTeacherPage.class.getName()).log(java.util.logging.Level.SEVER
```

```
E, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(AddTeacherPage.class.getName()).log(java.util.logging.Level.SEVER
E, null, ex);
        //</editor-fold>
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new AddTeacherPage().setVisible(true);
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JLabel Heading;
    private javax.swing.JButton New;
    private javax.swing.JTextField address;
    private javax.swing.JTextField adharno;
    private javax.swing.JLabel backclick;
    private javax.swing.JTextField department;
    private javax.swing.JTextField dob;
    private javax.swing.JTextField education;
    private javax.swing.JTextField email;
    private javax.swing.JTextField fathername;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
    private javax.swing.JPanel jPanel4;
    private javax.swing.JLabel jhquyf;
    private javax.swing.JTextField name;
    private javax.swing.JTextField phoneno;
    private javax.swing.JButton submit;
    private javax.swing.JTextField teacherid;
    // End of variables declaration
```

Edit Teacher Page Code: -

```
* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
package schoolmanagement.system;
import java.awt.HeadlessException;
import javax.swing.JOptionPane;
import java.sql.*;
/**
 * @author it's Anivesh
public class EditTeacher extends javax.swing.JFrame {
    /**
     * Creates new form EditTeacher
    public EditTeacher() {
        initComponents();
    }
    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
        jPanel1 = new javax.swing.JPanel();
        jPanel5 = new javax.swing.JPanel();
        ¡Panel6 = new javax.swing.JPanel();
        jLabel12 = new javax.swing.JLabel();
        Heading1 = new javax.swing.JLabel();
        jLabel13 = new javax.swing.JLabel();
        fathername = new javax.swing.JTextField();
        jLabel14 = new javax.swing.JLabel();
        name = new javax.swing.JTextField();
        jLabel15 = new javax.swing.JLabel();
        education = new javax.swing.JTextField();
        jLabel16 = new javax.swing.JLabel();
        department = new javax.swing.JTextField();
        jLabel17 = new javax.swing.JLabel();
        adharno = new javax.swing.JTextField();
        phoneno = new javax.swing.JTextField();
```

```
jLabel18 = new javax.swing.JLabel();
        jLabel19 = new javax.swing.JLabel();
        email = new javax.swing.JTextField();
        dob = new javax.swing.JTextField();
        jhquyf1 = new javax.swing.JLabel();
        address = new javax.swing.JTextField();
        jLabel20 = new javax.swing.JLabel();
        submit = new javax.swing.JButton();
        backclick1 = new javax.swing.JLabel();
        jLabel21 = new javax.swing.JLabel();
        teacherid = new javax.swing.JTextField();
        jLabel22 = new javax.swing.JLabel();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT ON CLOSE);
        jPanel1.setBackground(new java.awt.Color(255, 255, 255));
        jPanel1.setPreferredSize(new java.awt.Dimension(900, 600));
        ¡Panel1.setLayout(null);
        jPanel5.setBackground(new java.awt.Color(255, 255, 255));
        jPanel5.setPreferredSize(new java.awt.Dimension(900, 600));
        jPanel6.setBackground(new java.awt.Color(0, 102, 102));
        jLabel12.setIcon(new
                               javax.swing.ImageIcon(getClass().getResource("/icon/add-friend.png")));
// NOI18N
        javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);
        jPanel6.setLayout(jPanel6Layout);
        jPanel6Layout.setHorizontalGroup(
            jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
¡Panel6Layout.createSequentialGroup()
                .addContainerGap(34, Short.MAX VALUE)
                .addComponent(jLabel12)
                .addGap(25, 25, 25))
        jPanel6Layout.setVerticalGroup(
            ¡Panel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel6Layout.createSequentialGroup()
                .addGap(195, 195, 195)
                .addComponent(jLabel12)
                .addContainerGap(javax.swinq.GroupLayout.DEFAULT SIZE, Short.MAX VALUE))
        );
        Heading1.setBackground(new java.awt.Color(0, 102, 102));
        Heading1.setFont(new java.awt.Font("Segoe UI", 1, 36)); // NOI18N
        Heading1.setForeground(new java.awt.Color(0, 102, 102));
        Heading1.setText("EDIT TEACHER INFO.");
```

```
jLabel13.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel13.setForeground(new java.awt.Color(153, 153, 153));
jLabel13.setText("Full Name");
fathername.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
fathername.setForeground(new java.awt.Color(51, 51, 51));
fathername.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        fathernameActionPerformed(evt);
});
jLabel14.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel14.setForeground(new java.awt.Color(153, 153, 153));
jLabel14.setText("Father Name");
name.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
name.setForeground(new java.awt.Color(51, 51, 51));
name.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        nameActionPerformed(evt);
});
jLabel15.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel15.setForeground(new java.awt.Color(153, 153, 153));
jLabel15.setText("Education");
education.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
education.setForeground(new java.awt.Color(51, 51, 51));
education.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        educationActionPerformed(evt);
    }
});
jLabel16.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel16.setForeground(new java.awt.Color(153, 153, 153));
jLabel16.setText("Department");
department.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
department.setForeground(new java.awt.Color(51, 51, 51));
department.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        departmentActionPerformed(evt);
    }
});
jLabel17.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel17.setForeground(new java.awt.Color(153, 153, 153));
```

```
jLabel17.setText("Adhar No.");
adharno.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
adharno.setForeground(new java.awt.Color(51, 51, 51));
adharno.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        adharnoActionPerformed(evt);
});
phoneno.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
phoneno.setForeground(new java.awt.Color(51, 51, 51));
phoneno.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        phonenoActionPerformed(evt);
});
jLabel18.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel18.setForeground(new java.awt.Color(153, 153, 153));
jLabel18.setText("Phone No.");
jLabel19.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jLabel19.setForeground(new java.awt.Color(153, 153, 153));
jLabel19.setText("E-mail");
email.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
email.setForeground(new java.awt.Color(51, 51, 51));
email.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        emailActionPerformed(evt);
});
dob.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
dob.setForeground(new java.awt.Color(51, 51, 51));
dob.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        dobActionPerformed(evt);
});
jhguyf1.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
jhguyf1.setForeground(new java.awt.Color(153, 153, 153));
jhquyf1.setText("D.O.B.");
address.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
address.setForeground(new java.awt.Color(51, 51, 51));
address.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```
addressActionPerformed(evt);
            }
        });
        jLabel20.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
        jLabel20.setForeground(new java.awt.Color(153, 153, 153));
        jLabel20.setText("Address");
        submit.setBackground(new java.awt.Color(0, 102, 102));
        submit.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
        submit.setForeground(new java.awt.Color(255, 255, 255));
        submit.setText("Submit");
        submit.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                submitActionPerformed(evt);
        });
       backclick1.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
       backclick1.setForeground(new java.awt.Color(0, 102, 102));
       backclick1.setText("<Back");</pre>
       backclick1.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                backclick1MouseClicked(evt);
        });
        jLabel21.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
        jLabel21.setForeground(new java.awt.Color(153, 153, 153));
        jLabel21.setText("Teacher Id");
        teacherid.setFont(new java.awt.Font("Seqoe UI", 0, 16)); // NOI18N
        teacherid.setForeground(new java.awt.Color(51, 51, 51));
        teacherid.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                teacheridActionPerformed(evt);
        });
        jLabel22.setFont(new java.awt.Font("Segoe UI Variable", 0, 12)); // NOI18N
        jLabel22.setForeground(new java.awt.Color(153, 153, 153));
        jLabel22.setText("@ Copyright 2024 anivesh. All rights reserved");
        javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
        ¡Panel5.setLayout(jPanel5Layout);
        jPanel5Layout.setHorizontalGroup(
            jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel5Layout.createSequentialGroup()
                .addComponent(jPanel6, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
```

```
.addGap(53, 53, 53)
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addGap(120, 120, 120)
                         .addComponent(Heading1, javax.swing.GroupLayout.PREFERRED SIZE, 370,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(110, 110, 110)
                         .addComponent(backclick1, javax.swing.GroupLayout.PREFERRED SIZE, 52,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED SIZE, 71,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(269, 269, 269)
                         .addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED SIZE, 110,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addComponent(name, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(75, 75, 75)
                         .addComponent(fathername, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addComponent(jLabel15, javax.swing.GroupLayout.PREFERRED SIZE, 120,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(220, 220, 220)
                         .addComponent(jLabel16, javax.swing.GroupLayout.PREFERRED SIZE, 99,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addComponent(education, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(75, 75, 75)
                         .addComponent(department, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addComponent(jLabel17, javax.swing.GroupLayout.PREFERRED SIZE, 90,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(250, 250, 250)
                         .addComponent(jLabel18, javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addComponent(adharno, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(75, 75, 75)
                         .addComponent(phoneno, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addComponent(jLabel19, javax.swing.GroupLayout.PREFERRED SIZE, 71,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(269, 269, 269)
```

```
.addComponent(jhquyf1, javax.swing.GroupLayout.PREFERRED SIZE, 71,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addComponent(email, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(75, 75, 75)
                         .addComponent(dob, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addComponent(jLabel21, javax.swing.GroupLayout.PREFERRED SIZE, 82,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(258, 258, 258)
                         .addComponent(jLabel20, javax.swing.GroupLayout.PREFERRED SIZE, 71,
javax.swing.GroupLayout.PREFERRED SIZE))
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                         .addGroup(jPanel5Layout.createSequentialGroup()
                             .addGap(160, 160, 160)
                             .addComponent(jLabel22, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE)
                             .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
                             .addComponent(submit, javax.swing.GroupLayout.PREFERRED SIZE, 92,
javax.swing.GroupLayout.PREFERRED SIZE))
                         .addGroup(jPanel5Layout.createSequentialGroup()
                             .addComponent(teacherid, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE)
                             .addGap(75, 75, 75)
                             .addComponent(address, javax.swing.GroupLayout.PREFERRED SIZE, 265,
javax.swing.GroupLayout.PREFERRED SIZE)))))
        );
        jPanel5Layout.setVerticalGroup(
            ¡Panel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
             .addComponent(jPanel6, javax.swing.GroupLayout.DEFAULT SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
             .addGroup(jPanel5Layout.createSequentialGroup()
                 .addGap(10, 10, 10)
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addGap(10, 10, 10)
                         .addComponent(Heading1))
                     .addComponent(backclick1, javax.swing.GroupLayout.PREFERRED SIZE, 30,
javax.swing.GroupLayout.PREFERRED SIZE))
                 .addGap(32, 32, 32)
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(jLabel13)
                     .addComponent(jLabel14))
                 .addGap(8, 8, 8)
```

```
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(name, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(fathername, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                .addGap(32, 32, 32)
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(jLabel15)
                     .addComponent(jLabel16))
                .addGap(8, 8, 8)
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(education, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                    .addComponent(department, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                .addGap(12, 12, 12)
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(jLabel17)
                     .addComponent(jLabel18))
                .addGap(8, 8, 8)
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(adharno, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                    .addComponent(phoneno, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                .addGap(22, 22, 22)
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel19)
                     .addComponent(jhguyf1))
                .addGap(8, 8, 8)
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(email, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(dob, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                .addGap(12, 12, 12)
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addComponent(jLabel21)
                     .addComponent(jLabel20))
                .addGap(8, 8, 8)
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addComponent(teacherid, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(address, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE))
                 .addGap(32, 32, 32)
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel5Layout.createSequentialGroup()
                         .addGap(20, 20, 20)
                         .addComponent(jLabel22, javax.swing.GroupLayout.PREFERRED SIZE, 27,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addComponent(submit)))
        );
        ¡Panel1.add(¡Panel5);
        jPanel5.setBounds(0, 0, 900, 600);
        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                 .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                 .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
        pack();
    }// </editor-fold>
    private void fathernameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void nameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void educationActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void departmentActionPerformed(java.awt.event.ActionEvent evt) {
```

```
// TODO add your handling code here:
   }
   private void adharnoActionPerformed(java.awt.event.ActionEvent evt) {
       // TODO add your handling code here:
   private void phonenoActionPerformed(java.awt.event.ActionEvent evt) {
       // TODO add your handling code here:
   private void emailActionPerformed(java.awt.event.ActionEvent evt) {
       // TODO add your handling code here:
   private void dobActionPerformed(java.awt.event.ActionEvent evt) {
       // TODO add your handling code here:
   private void addressActionPerformed(java.awt.event.ActionEvent evt) {
       // TODO add your handling code here:
   private void submitActionPerformed(java.awt.event.ActionEvent evt) {
       // TODO add your handling code here:
       String id = teacherid.getText();
       String nme = name.getText();
       String fname = fathername.getText();
       String edu = education.getText();
       String depart = department.getText();
       String Adhar no = adharno.getText();
       String pnum = phoneno.getText();
       String mail = email.getText();
       String d = dob.getText();
       String Add = address.getText();
       try{
           Class.forName("com.mysql.jdbc.Driver");
           Connection conn;
           conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/sms","root","2202");
           String sql;
           sql = "UPDATE `Teacher` SET `Name ` ='"+nme+"', `Father name` = '"+fname+"', `Education`
= '"+edu+"', `Department` = '"+depart+"', `Adhar no` = '"+Adhar no+"', `Phone no` = '"+pnum+"',
`E mail` = '"+mail+"', `DOB` = '"+d+"', `Address` = '"+Add+"' WHERE `Teacher id` = '"+id+"'";
           PreparedStatement ptstmt=conn.prepareStatement(sql);
           ptstmt.execute();
           JOptionPane.showMessageDialog(null, "Record has been Updated Sucessfully!");
```

```
}
         catch (HeadlessException | ClassNotFoundException | SQLException e)
            JOptionPane.showMessageDialog(null, e);
    }
    private void backclick1MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        TeacherPage obj =new TeacherPage();
        obj.setVisible(true);
        dispose();
    }
    private void teacheridActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    /**
     * @param args the command line arguments
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                     javax.swing.UIManager.setLookAndFeel(info.getClassName());
                     break;
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(EditTeacher.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(EditTeacher.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(EditTeacher.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
```

```
java.util.logging.Logger.getLogger(EditTeacher.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        //</editor-fold>
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new EditTeacher().setVisible(true);
        });
    // Variables declaration - do not modify
    private javax.swing.JLabel Heading1;
    private javax.swing.JTextField address;
    private javax.swing.JTextField adharno;
    private javax.swing.JLabel backclick1;
    private javax.swing.JTextField department;
    private javax.swing.JTextField dob;
    private javax.swing.JTextField education;
    private javax.swing.JTextField email;
    private javax.swing.JTextField fathername;
    private javax.swing.JLabel jLabel12;
    private javax.swing.JLabel jLabel13;
    private javax.swing.JLabel jLabel14;
    private javax.swing.JLabel jLabel15;
    private javax.swing.JLabel jLabel16;
    private javax.swing.JLabel jLabel17;
    private javax.swing.JLabel jLabel18;
    private javax.swing.JLabel jLabel19;
    private javax.swing.JLabel jLabel20;
    private javax.swing.JLabel jLabel21;
    private javax.swing.JLabel jLabel22;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel5;
    private javax.swing.JPanel jPanel6;
    private javax.swing.JLabel jhquyf1;
    private javax.swing.JTextField name;
    private javax.swing.JTextField phoneno;
    private javax.swing.JButton submit;
    private javax.swing.JTextField teacherid;
    // End of variables declaration
```

Search & Delete Teacher Page Code:

```
package schoolmanagement.system;
import java.awt.HeadlessException;
import javax.swing.JOptionPane;
import java.sql.*;
```

```
import javax.swing.table.DefaultTableModel;
/**
 * @author it's Anivesh
public class TeacherSandD extends javax.swing.JFrame {
    /**
     * Creates new form TeacherSandD
    public TeacherSandD() {
        initComponents();
    }
    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
        jPanel1 = new javax.swing.JPanel();
        ¡Panel2 = new javax.swing.JPanel();
        Heading = new javax.swing.JLabel();
        back = new javax.swing.JLabel();
        jScrollPane1 = new javax.swing.JScrollPane();
        teachertable = new javax.swing.JTable();
        jLabel2 = new javax.swing.JLabel();
        delete = new javax.swing.JButton();
        search = new javax.swing.JButton();
        tid = new javax.swing.JTextField();
        text = new javax.swing.JLabel();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT ON CLOSE);
        setPreferredSize(new java.awt.Dimension(900, 600));
        jPanel1.setBackground(new java.awt.Color(255, 255, 255));
        ¡Panel1.setPreferredSize(new java.awt.Dimension(900, 600));
        jPanel1.setLayout(null);
        jPanel2.setBackground(new java.awt.Color(0, 102, 102));
        Heading.setBackground(new java.awt.Color(255, 255, 255));
        Heading.setFont(new java.awt.Font("Segoe UI", 1, 36)); // NOI18N
        Heading.setForeground(new java.awt.Color(255, 255, 255));
        Heading.setText("Search & Delete Teacher.");
        back.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
```

```
back.setForeground(new java.awt.Color(255, 255, 255));
                                  back.setText("<Back");</pre>
                                  back.addMouseListener(new java.awt.event.MouseAdapter() {
                                                  public void mouseClicked(java.awt.event.MouseEvent evt) {
                                                                   backMouseClicked(evt);
                                  });
                                  javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
                                  ¡Panel2.setLayout(jPanel2Layout);
                                  jPanel2Layout.setHorizontalGroup(
                                                   jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                                   .addGroup(jPanel2Layout.createSequentialGroup()
                                                                     .addContainerGap(248, Short.MAX VALUE)
  .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                                                                     .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
 jPanel2Layout.createSequentialGroup()
                                                                                                      .addComponent(Heading, javax.swing.GroupLayout.PREFERRED SIZE, 440,
javax.swing.GroupLayout.PREFERRED SIZE)
                                                                                                     .addGap(212, 212, 212))
                                                                                     .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
 jPanel2Layout.createSequentialGroup()
                                                                                                      .addComponent(back, javax.swing.GroupLayout.PREFERRED SIZE, 52,
 javax.swing.GroupLayout.PREFERRED SIZE)
                                                                                                     .addGap(22, 22, 22))))
                                  jPanel2Layout.setVerticalGroup(
                                                   ¡Panel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                                    .addGroup(jPanel2Layout.createSequentialGroup()
                                                                    .addContainerGap()
                                                                    .addComponent(back, javax.swing.GroupLayout.PREFERRED SIZE, 38,
 javax.swing.GroupLayout.PREFERRED SIZE)
                                                                    .addGap(1, 1, 1)
                                                                    .addComponent(Heading)
                                                                    .addContainerGap(47, Short.MAX VALUE))
                                  );
                                  jPanel1.add(jPanel2);
                                  jPanel2.setBounds(0, 0, 900, 140);
                                  teachertable.setModel(new javax.swing.table.DefaultTableModel(
                                                   new Object [][] {
                                                                    {null, null, null,
                                                                    {null, null, null, null, null, null, null, null, null, null, null,
                                                                    {null, null, null,
                                                                    {null, null, 
                                                                    {null, null, null,
                                                                    {null, null, null,
                                                                    {null, null, null, null, null, null, null, null, null, null, null
```

```
},
            new String [] {
                "Id", "Name", "Father name", "Education", "Department", "Adhar no", "Phone no", "E-
mail", "DOB", "Address"
        ) {
            Class[] types = new Class [] {
                java.lang.Integer.class, java.lang.String.class, java.lang.String.class,
java.lang.String.class, java.lang.String.class, java.lang.Integer.class, java.lang.Integer.class,
java.lang.String.class, java.lang.String.class, java.lang.String.class
            };
            public Class getColumnClass(int columnIndex) {
                return types [columnIndex];
        });
        jScrollPane1.setViewportView(teachertable);
        ¡Panel1.add(jScrollPanel);
        jScrollPane1.setBounds(0, 180, 900, 180);
        jLabel2.setBackground(new java.awt.Color(0, 102, 102));
        jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(0, 102, 102));
        iLabel2.setText("Teacher's Details.");
        ¡Panel1.add(¡Label2);
        jLabel2.setBounds(360, 150, 220, 20);
        delete.setBackground(new java.awt.Color(0, 102, 102));
        delete.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        delete.setForeground(new java.awt.Color(255, 255, 255));
        delete.setText("DELETE");
        delete.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                deleteActionPerformed(evt);
            }
        });
        ¡Panel1.add(delete);
        delete.setBounds(240, 470, 150, 40);
        search.setBackground(new java.awt.Color(0, 102, 102));
        search.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        search.setForeground(new java.awt.Color(255, 255, 255));
        search.setText("SEARCH");
        search.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                searchActionPerformed(evt);
        });
        jPanel1.add(search);
```

```
search.setBounds(360, 370, 150, 40);
        tid.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                tidActionPerformed(evt);
        });
        ¡Panel1.add(tid);
        tid.setBounds(60, 470, 150, 40);
        text.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        text.setForeground(new java.awt.Color(0, 102, 102));
        text.setText("Enter Id for Serch and Delete Student..");
        text.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                textMouseClicked(evt);
        });
        jPanel1.add(text);
        text.setBounds(60, 430, 220, 33);
        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
        pack();
    }// </editor-fold>
    private void backMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        TeacherPage obj =new TeacherPage();
        obj.setVisible(true);
        dispose();
    private void deleteActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
```

```
String td = tid.getText();
        try{
            Class.forName("com.mysgl.jdbc.Driver");
            Connection conn;
            conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/sms","root","2202");
            String sql = "DELETE FROM `teacher` WHERE Teacher id ="+td;
            PreparedStatement ptst = conn.prepareStatement(sql);
            ptst.executeUpdate();
            JOptionPane.showMessageDialog(null, "Record Deleted");
            conn.close();
            tid.setText("");
        catch(HeadlessException | ClassNotFoundException | SQLException e) {
            JOptionPane.showMessageDialog(null,e);
    }
    private void searchActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        try{
            Class.forName("com.mysql.jdbc.Driver");
            Connection conn;
            conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/sms","root","2202");
            Statement st= conn.createStatement();
            String sql = "select * from Teacher";
            PreparedStatement ptst = conn.prepareStatement(sql);
            ResultSet rs =ptst.executeQuery();
            DefaultTableModel tm = (DefaultTableModel) teachertable.getModel();
            tm.setRowCount(0);
            while(rs.next()){
                Object
o[]={rs.getInt("Teacher id"),rs.getString("Name "),rs.getString("Father name"),rs.getString("Educati
on"),rs.getString("Department"),rs.getInt("Adhar no"),rs.getInt("Phone no"),rs.getString("E mail"),r
s.getString("DOB"),rs.getString("Address")};
                tm.addRow(o);
        catch(HeadlessException | ClassNotFoundException | SQLException e) {
            JOptionPane.showMessageDialog(null, "Record Not Found!");
    }
    private void tidActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void textMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
```

```
}
    /**
     * @param args the command line arguments
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                     javax.swing.UIManager.setLookAndFeel(info.getClassName());
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(TeacherSandD.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(TeacherSandD.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(TeacherSandD.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(TeacherSandD.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        //</editor-fold>
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new TeacherSandD().setVisible(true);
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JLabel Heading;
    private javax.swing.JLabel back;
```

```
private javax.swing.JButton delete;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JScrollPane jScrollPanel;
private javax.swing.JButton search;
private javax.swing.JTable teachertable;
private javax.swing.JLabel text;
private javax.swing.JTextField tid;
// End of variables declaration
```

Teacher Attendance Page Code: -

```
package schoolmanagement.system;
import java.awt.HeadlessException;
import javax.swing.JOptionPane;
import java.sql.*;
/**
 * @author anive
public class Attendance extends javax.swing.JFrame {
     * Creates new form Attendance
    public Attendance() {
        initComponents();
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        Heading = new javax.swing.JLabel();
        back = new javax.swing.JLabel();
        Heading1 = new javax.swing.JLabel();
        first = new javax.swing.JComboBox<>();
        text6 = new javax.swing.JLabel();
        text7 = new javax.swing.JLabel();
        second = new javax.swing.JComboBox<>();
        id = new javax.swing.JTextField();
```

```
text8 = new javax.swing.JLabel();
        text9 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        next = new javax.swing.JButton();
        submit = new javax.swing.JButton();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT ON CLOSE);
        setTitle("ATTENDANCE");
        setPreferredSize(new java.awt.Dimension(800, 500));
        jPanel1.setBackground(new java.awt.Color(255, 255, 255));
        jPanel1.setPreferredSize(new java.awt.Dimension(800, 500));
        ¡Panel2.setBackground(new java.awt.Color(0, 102, 102));
        Heading.setBackground(new java.awt.Color(0, 102, 102));
        Heading.setFont(new java.awt.Font("Segoe UI", 2, 24)); // NOI18N
        Heading.setForeground(new java.awt.Color(255, 255, 255));
        Heading.setText("hey, good Morning");
        back.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
        back.setForeground(new java.awt.Color(255, 255, 255));
        back.setText("<back");</pre>
        back.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                backMouseClicked(evt);
        });
        Heading1.setBackground(new java.awt.Color(0, 102, 102));
        Heading1.setFont(new java.awt.Font("Segoe UI", 1, 36)); // NOI18N
        Heading1.setForeground(new java.awt.Color(255, 255, 255));
        Heading1.setText("TEACHER ATTENDANCE");
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(28, 28, 28)
                .addComponent(Heading)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
                .addComponent(back, javax.swing.GroupLayout.PREFERRED SIZE, 58,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(301, 301, 301))
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(189, 189, 189)
                .addComponent(Heading1)
```

date = new javax.swing.JTextField();

```
.addContainerGap(501, Short.MAX VALUE))
        );
        iPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(23, 23, 23)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(Heading)
                    .addComponent(back, javax.swing.GroupLayout.PREFERRED SIZE, 30,
javax.swing.GroupLayout.PREFERRED SIZE))
                .addGap(18, 18, 18)
                .addComponent(Heading1)
                .addContainerGap(33, Short.MAX VALUE))
        );
        first.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Select One", "Present
", "Absent", "Leave" }));
        text6.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
        text6.setForeground(new java.awt.Color(0, 102, 102));
        text6.setText("First Half :-");
        text6.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                text6MouseClicked(evt);
            }
        });
        text7.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
        text7.setForeground(new java.awt.Color(0, 102, 102));
        text7.setText("Second Half :-");
        text7.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                text7MouseClicked(evt);
            }
        });
        second.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Select One", "Present
  "Absent", "Leave" }));
        id.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
        id.setForeground(new java.awt.Color(51, 51, 51));
        id.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                idActionPerformed(evt);
            }
        });
        date.setFont(new java.awt.Font("Segoe UI", 0, 16)); // NOI18N
        date.setForeground(new java.awt.Color(51, 51, 51));
```

```
date.setText("YYYY/MM/DD");
date.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        dateActionPerformed(evt);
});
text8.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
text8.setForeground(new java.awt.Color(0, 102, 102));
text8.setText("Date :-");
text8.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        text8MouseClicked(evt);
});
text9.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
text9.setForeground(new java.awt.Color(0, 102, 102));
text9.setText("Id :-");
text9.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        text9MouseClicked(evt);
    }
});
jLabel3.setFont(new java.awt.Font("Segoe UI", 3, 12)); // NOI18N
jLabel3.setForeground(new java.awt.Color(0, 102, 102));
jLabel3.setText("-: Mark your Presence :-");
next.setBackground(new java.awt.Color(0, 102, 102));
next.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
next.setForeground(new java.awt.Color(255, 255, 255));
next.setText("Next");
next.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        nextActionPerformed(evt);
    }
});
submit.setBackground(new java.awt.Color(0, 102, 102));
submit.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
submit.setForeground(new java.awt.Color(255, 255, 255));
submit.setText("Submit");
submit.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        submitActionPerformed(evt);
});
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
```

```
¡Panel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                 .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                 .addGap(0, 0, Short.MAX VALUE))
            .addGroup(jPanel1Layout.createSequentialGroup()
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addGap(316, 316, 316)
                         .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED SIZE, 190,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addGap(60, 60, 60)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                             .addComponent(text6)
                             .addComponent(text9))
                         .addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                             .addComponent(id)
                             .addComponent(first, 0, 170, Short.MAX VALUE))
                         .addGap(73, 73, 73)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                             .addComponent(text7)
                             .addComponent(text8))
                         .addGap(18, 18, 18)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                             .addComponent(date)
                             .addComponent(second, 0, 170, Short.MAX VALUE)))
                     .addGroup(jPanel1Layout.createSequentialGroup()
                         .addGap(303, 303, 303)
                         .addComponent(next, javax.swing.GroupLayout.PREFERRED SIZE, 80,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                         .addComponent(submit, javax.swing.GroupLayout.PREFERRED SIZE, 80,
javax.swing.GroupLayout.PREFERRED SIZE)))
                .addContainerGap(javax.swinq.GroupLayout.DEFAULT SIZE, Short.MAX VALUE))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                 .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED SIZE, 32,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(33, 33, 33)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                         .addComponent(second, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addComponent(text7, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                         .addComponent(first, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addComponent(text6, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE)))
                .addGap(38, 38, 38)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(id, javax.swing.GroupLayout.PREFERRED SIZE, 32,
javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(date, javax.swing.GroupLayout.PREFERRED SIZE, 32,
javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(text8, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(text9, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE))
                 .addGap(46, 46, 46)
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(next)
                     .addComponent(submit))
                .addGap(0, 96, Short.MAX VALUE))
        );
        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
             .addGroup(layout.createSequentialGroup()
                 .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                 .addGap(0, 113, Short.MAX VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                 .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
```

```
.addGap(0, 76, Short.MAX VALUE))
    );
    pack();
}// </editor-fold>
private void backMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    TeacherPage obj =new TeacherPage();
    obj.setVisible(true);
    dispose();
}
private void text6MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
private void text7MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
private void idActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
private void dateActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
private void text8MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
private void text9MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
private void nextActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Attendance obj = new Attendance();
    obj.setVisible(true);
    dispose();
private void submitActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String i=id.getText();
    String d = date.getText();
    try{
```

```
Class.forName("com.mysql.jdbc.Driver");
            try (Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/sms","root","2202")) {
                String sql = "insert into Teacher Attendance values (?,?,?,?)";
                 PreparedStatement ptstmt=conn.prepareStatement(sql);
                ptstmt.setString(1, id.getText());
                ptstmt.setString(2, date.getText());
                ptstmt.setString(3, (String) first.getSelectedItem());
                ptstmt.setString(4, (String) second.getSelectedItem());
                ptstmt.executeUpdate();
                JOptionPane.showMessageDialog(null, "Attendence Marked Sucessfully");
            }
        catch (HeadlessException | ClassNotFoundException | SQLException e)
            JOptionPane.showMessageDialog(null, e);
    }
     * @param args the command line arguments
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                     javax.swing.UIManager.setLookAndFeel(info.getClassName());
                     break;
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(Attendance.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(Attendance.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
```

```
java.util.logging.Logger.getLogger(Attendance.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(Attendance.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        //</editor-fold>
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Attendance().setVisible(true);
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JLabel Heading;
    private javax.swing.JLabel Heading1;
    private javax.swing.JLabel back;
    private javax.swing.JTextField date;
    private javax.swing.JComboBox<String> first;
    private javax.swing.JTextField id;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JButton next;
    private javax.swing.JComboBox<String> second;
    private javax.swing.JButton submit;
    private javax.swing.JLabel text6;
    private javax.swing.JLabel text7;
    private javax.swing.JLabel text8;
    private javax.swing.JLabel text9;
    // End of variables declaration
 Fee Page Code: -
package schoolmanagement.system;
import javax.swing.JOptionPane;
import java.sql.*;
/**
 * @author it's Anivesh
public class FeePage extends javax.swing.JFrame {
     * Creates new form FeePage
```

```
*/
public FeePage() {
    initComponents();
/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {
    ¡Panel1 = new javax.swing.JPanel();
    jPanel2 = new javax.swing.JPanel();
    text3 = new javax.swing.JLabel();
    text5 = new javax.swing.JLabel();
    clas = new javax.swing.JTextField();
    text4 = new javax.swing.JLabel();
    text6 = new javax.swing.JLabel();
    text2 = new javax.swing.JLabel();
    fee = new javax.swing.JTextField();
    id = new javax.swing.JTextField();
    Heading = new javax.swing.JLabel();
   pay = new javax.swing.JButton();
   months = new javax.swing.JComboBox<>();
    date = new javax.swing.JTextField();
    jScrollPane1 = new javax.swing.JScrollPane();
    text = new javax.swing.JTextArea();
    jLabel2 = new javax.swing.JLabel();
    back = new javax.swing.JLabel();
    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT ON CLOSE);
    setPreferredSize(new java.awt.Dimension(800, 500));
    ¡Panel1.setBackground(new java.awt.Color(255, 255, 255));
    jPanel1.setPreferredSize(new java.awt.Dimension(800, 500));
    jPanel1.setLayout(null);
    jPanel2.setBackground(new java.awt.Color(0, 102, 102));
    jPanel2.setPreferredSize(new java.awt.Dimension(400, 500));
    text3.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
    text3.setForeground(new java.awt.Color(255, 255, 255));
    text3.setText("Class:-");
    text3.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            text3MouseClicked(evt);
```

```
});
text5.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
text5.setForeground(new java.awt.Color(255, 255, 255));
text5.setText("ID :-");
text5.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        text5MouseClicked(evt);
    }
});
clas.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
        clasActionPerformed(evt);
});
text4.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
text4.setForeground(new java.awt.Color(255, 255, 255));
text4.setText("Date :-");
text4.addMouseListener(new java.awt.event.MouseAdapter() {
   public void mouseClicked(java.awt.event.MouseEvent evt) {
        text4MouseClicked(evt);
    }
});
text6.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
text6.setForeground(new java.awt.Color(255, 255, 255));
text6.setText("Month of Fee :-");
text6.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        text6MouseClicked(evt);
});
text2.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
text2.setForeground(new java.awt.Color(255, 255, 255));
text2.setText("Total Payble :-");
text2.addMouseListener(new java.awt.event.MouseAdapter() {
   public void mouseClicked(java.awt.event.MouseEvent evt) {
        text2MouseClicked(evt);
    }
});
fee.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
        feeActionPerformed(evt);
});
```

```
id.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                idActionPerformed(evt);
        });
        Heading.setBackground(new java.awt.Color(255, 255, 255));
        Heading.setFont(new java.awt.Font("Segoe UI", 1, 36)); // NOI18N
        Heading.setForeground(new java.awt.Color(255, 255, 255));
        Heading.setText("Fee Corner");
        pay.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
       pay.setText("Pay");
        pay.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                payActionPerformed(evt);
        });
        months.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Select Month",
"January", "Febraury", "March ", "April", "May", "June ", "July", "August", "September", "October",
"November", "December" }));
        date.setText("YYYY-MM-DD");
        date.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                dateActionPerformed(evt);
        });
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        ¡Panel2Layout.setHorizontalGroup(
            ¡Panel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(103, 103, 103)
                .addComponent(Heading)
                .addContainerGap(106, Short.MAX VALUE))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                             .addComponent(text3, javax.swing.GroupLayout.PREFERRED SIZE, 72,
javax.swing.GroupLayout.PREFERRED SIZE)
                             .addComponent(text4, javax.swing.GroupLayout.PREFERRED SIZE, 72,
javax.swing.GroupLayout.PREFERRED SIZE)
```

```
.addComponent(text5, javax.swing.GroupLayout.PREFERRED SIZE, 72,
javax.swing.GroupLayout.PREFERRED SIZE))
                         .addGap(3\overline{3}, 33, 33))
                     .addComponent(text6)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(text2)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 6,
javax.swing.GroupLayout.PREFERRED SIZE)))
                 .addGap(18, 18, 18)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                         .addComponent(pay, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED SIZE, 122, javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
                             .addComponent(fee, javax.swing.GroupLayout.DEFAULT SIZE, 150,
Short.MAX VALUE)
                             .addComponent(id, javax.swing.GroupLayout.DEFAULT SIZE, 150,
Short.MAX VALUE)
                             .addComponent(clas, javax.swing.GroupLayout.DEFAULT SIZE, 150,
Short.MAX VALUE)
                             .addComponent(date, javax.swing.GroupLayout.DEFAULT SIZE, 150,
Short.MAX VALUE)))
                     .addComponent(months, javax.swing.GroupLayout.PREFERRED SIZE, 150,
javax.swing.GroupLayout.PREFERRED SIZE))
                 .addGap(66, 66, 66))
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
             .addGroup(jPanel2Layout.createSequentialGroup()
                 .addGap(51, 51, 51)
                 .addComponent(Heading)
                 .addGap(39, 39, 39)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(id, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                         .addComponent(date, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(12, 12, 12)
                         .addComponent(clas, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                         .addComponent(months, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
```

```
.addComponent(fee, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(text5, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                         .addComponent(text4, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                         .addComponent(text3, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                         .addComponent(text6, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                         .addComponent(text2, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE)))
                .addGap(18, 18, 18)
                 .addComponent(pay, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addContainerGap(92, Short.MAX VALUE))
        );
        jPanel1.add(jPanel2);
        jPanel2.setBounds(0, 0, 390, 500);
        text.setColumns(20);
        text.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
        text.setRows(5);
        jScrollPane1.setViewportView(text);
        ¡Panel1.add(jScrollPanel);
        jScrollPane1.setBounds(420, 50, 340, 370);
        jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
        jLabel2.setText("Details:-");
        ¡Panel1.add(¡Label2);
        jLabel2.setBounds(420, 10, 90, 40);
        back.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
        back.setForeground(new java.awt.Color(0, 102, 102));
        back.setText("<Back");</pre>
        back.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                backMouseClicked(evt);
            }
        });
        jPanel1.add(back);
        back.setBounds(730, 0, 52, 38);
```

```
javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 48, Short.MAX VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                 .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 46, Short.MAX VALUE))
        );
        pack();
    }// </editor-fold>
    private void text3MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
    private void text5MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
    private void clasActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void text4MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
    private void text6MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
    private void text2MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
    private void feeActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    private void idActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
```

```
}
    private void payActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String ann = fee.getText();
        double a = Double.parseDouble(ann);
        String Id = id.getText();
        String dte = date.getText();
        String cl = clas.getText();
        Object m = months.getSelectedItem();
        double rem = a-18000;
        String status;
        if(rem==0){
            status = "Paid";
        else{
        status = "Unpaid";
        text.setText("\t School Management System\n\nTotal fee To be Paid 18000\nId :- "+Id+"\nDate
:- "+dte+"\nClass :- "+cl+
                "\nMonth :- "+m+"\nFee Paid :- "+a+"\nRemaing Fee :- "+rem+"\nstatus :- "+status);
        try{
            Class.forName("com.mysql.jdbc.Driver");
            try (Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/sms","root","2202")){
            String sql = "insert into Fee Submit values(?,?,?,?,?)";
            PreparedStatement ptstmt=conn.prepareStatement(sql);
                ptstmt.setString(1,Id);
                ptstmt.setString(2, dte);
                ptstmt.setString(3, cl);
                ptstmt.setString(4, (String) m);
                ptstmt.setDouble(5, a);
                ptstmt.setString(6, status);
                ptstmt.executeUpdate();
                JOptionPane.showMessageDialog(null, "Data has been Stored Successfully!");
                conn.close();
        catch(ClassNotFoundException | SQLException e) {
            JOptionPane.showMessageDialog(null, e);
```

```
}
    private void backMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        Welcome obj =new Welcome();
        obj.setVisible(true);
        dispose();
    private void dateActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    /**
     * @param args the command line arguments
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                 if ("Nimbus".equals(info.getName())) {
                     javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(FeePage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(FeePage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(FeePage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(FeePage.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        //</editor-fold>
```

```
/* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new FeePage().setVisible(true);
    });
// Variables declaration - do not modify
private javax.swing.JLabel Heading;
private javax.swing.JLabel back;
private javax.swing.JTextField clas;
private javax.swing.JTextField date;
private javax.swing.JTextField fee;
private javax.swing.JTextField id;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JComboBox<String> months;
private javax.swing.JButton pay;
private javax.swing.JTextArea text;
private javax.swing.JLabel text2;
private javax.swing.JLabel text3;
private javax.swing.JLabel text4;
private javax.swing.JLabel text5;
private javax.swing.JLabel text6;
// End of variables declaration
```

Grade's Page Code: -

```
package schoolmanagement.system;
import java.awt.HeadlessException;
import javax.swing.JOptionPane;
import java.sql.*;
/**

  * @author it's Anivesh
  */
public class GradeCard extends javax.swing.JFrame {
    /**
        * Creates new form GradeCard
        */
      public GradeCard() {
         initComponents();
    }
    /**
```

```
* This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {
    ¡Panel1 = new javax.swing.JPanel();
    jPanel2 = new javax.swing.JPanel();
    Heading = new javax.swing.JLabel();
    submit = new javax.swing.JButton();
    id = new javax.swing.JTextField();
    name = new javax.swing.JTextField();
    clas = new javax.swing.JTextField();
    Physics = new javax.swing.JTextField();
    Chemistry = new javax.swing.JTextField();
    Math = new javax.swing.JTextField();
    jLabel1 = new javax.swing.JLabel();
    text6 = new javax.swing.JLabel();
    text1 = new javax.swing.JLabel();
    text2 = new javax.swing.JLabel();
    text3 = new javax.swing.JLabel();
    text4 = new javax.swing.JLabel();
    text5 = new javax.swing.JLabel();
    back = new javax.swing.JLabel();
    showgrade = new javax.swing.JButton();
    jScrollPane1 = new javax.swing.JScrollPane();
    text = new javax.swing.JTextArea();
    jLabel2 = new javax.swing.JLabel();
    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT ON CLOSE);
    setTitle("GradeCard");
    setPreferredSize(new java.awt.Dimension(800, 600));
    ¡Panel1.setBackground(new java.awt.Color(255, 255, 255));
    ¡Panel1.setPreferredSize(new java.awt.Dimension(800, 600));
    jPanel1.setLayout(null);
    jPanel2.setBackground(new java.awt.Color(0, 102, 102));
    ¡Panel2.setPreferredSize(new java.awt.Dimension(400, 600));
    Heading.setBackground(new java.awt.Color(255, 255, 255));
    Heading.setFont(new java.awt.Font("Segoe UI", 1, 36)); // NOI18N
    Heading.setForeground(new java.awt.Color(255, 255, 255));
    Heading.setText("Grade Card");
    submit.setFont(new java.awt.Font("Seque UI", 1, 12)); // NOI18N
    submit.setText("SUBMIT");
    submit.addActionListener(new java.awt.event.ActionListener() {
```

```
public void actionPerformed(java.awt.event.ActionEvent evt) {
       submitActionPerformed(evt);
});
id.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
       idActionPerformed(evt);
   }
});
name.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
       nameActionPerformed(evt);
});
clas.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
       clasActionPerformed(evt);
});
Physics.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
       PhysicsActionPerformed(evt);
});
Chemistry.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
       ChemistryActionPerformed(evt);
});
Math.addActionListener(new java.awt.event.ActionListener() {
   public void actionPerformed(java.awt.event.ActionEvent evt) {
       MathActionPerformed(evt);
});
jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
text6.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
text6.setForeground(new java.awt.Color(255, 255, 255));
text6.setText("Physics :-");
text6.addMouseListener(new java.awt.event.MouseAdapter() {
   public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
text6MouseClicked(evt);
    }
});
text1.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
text1.setForeground(new java.awt.Color(255, 255, 255));
text1.setText("Chemistry :-");
text1.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        text1MouseClicked(evt);
    }
});
text2.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
text2.setForeground(new java.awt.Color(255, 255, 255));
text2.setText("Math's :-");
text2.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        text2MouseClicked(evt);
    }
});
text3.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
text3.setForeground(new java.awt.Color(255, 255, 255));
text3.setText("Class:-");
text3.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        text3MouseClicked(evt);
    }
});
text4.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
text4.setForeground(new java.awt.Color(255, 255, 255));
text4.setText("Name :-");
text4.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        text4MouseClicked(evt);
    }
});
text5.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
text5.setForeground(new java.awt.Color(255, 255, 255));
text5.setText("ID :-");
text5.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        text5MouseClicked(evt);
});
back.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
```

```
back.setForeground(new java.awt.Color(255, 255, 255));
        back.setText("<Back");</pre>
        back.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                backMouseClicked(evt);
        });
        showgrade.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
        showgrade.setText("Show grade's");
        showgrade.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                showgradeActionPerformed(evt);
        });
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        ¡Panel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                 .addGap(31, 31, 31)
                 .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
                 .addContainerGap())
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                .addGap(68, 68, 68)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addComponent(showgrade, javax.swing.GroupLayout.PREFERRED SIZE, 122,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
                         .addComponent(submit, javax.swing.GroupLayout.PREFERRED SIZE, 122,
javax.swing.GroupLayout.PREFERRED SIZE))
                     .addGroup(jPanel2Layout.createSequentialGroup()
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                             .addComponent(text6, javax.swing.GroupLayout.PREFERRED SIZE, 72,
javax.swing.GroupLayout.PREFERRED SIZE)
                             .addComponent(text2, javax.swing.GroupLayout.PREFERRED SIZE, 72,
javax.swing.GroupLayout.PREFERRED SIZE)
                             .addComponent(text1, javax.swing.GroupLayout.PREFERRED SIZE, 90,
javax.swing.GroupLayout.PREFERRED SIZE))
                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 26,
Short.MAX VALUE)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addComponent(Chemistry, javax.swing.GroupLayout.PREFERRED SIZE, 150,
javax.swing.GroupLayout.PREFERRED SIZE)
                             .addComponent(Physics, javax.swing.GroupLayout.PREFERRED SIZE, 150,
javax.swing.GroupLayout.PREFERRED SIZE)
                             .addComponent (Math, javax.swing.GroupLayout.PREFERRED SIZE, 150,
javax.swing.GroupLayout.PREFERRED SIZE))))
                 .addGap(66, 66, 66))
             .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                 .addContainerGap(javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
¡Panel2Layout.createSequentialGroup()
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                             .addComponent(text3, javax.swing.GroupLayout.PREFERRED SIZE, 72,
javax.swing.GroupLayout.PREFERRED SIZE)
                             .addComponent(text4, javax.swing.GroupLayout.PREFERRED SIZE, 72,
javax.swing.GroupLayout.PREFERRED SIZE)
                             .addComponent(text5, javax.swing.GroupLayout.PREFERRED SIZE, 72,
javax.swing.GroupLayout.PREFERRED SIZE))
                         .addGap(45, 45, 45)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                             .addComponent(id, javax.swing.GroupLayout.PREFERRED SIZE, 150,
javax.swing.GroupLayout.PREFERRED SIZE)
                             .addComponent(name, javax.swing.GroupLayout.PREFERRED SIZE, 150,
javax.swing.GroupLayout.PREFERRED SIZE)
                             .addComponent(clas, javax.swing.GroupLayout.PREFERRED SIZE, 150,
javax.swing.GroupLayout.PREFERRED SIZE))
                         .addGap(66, 66, 66))
                     .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                         .addComponent(back, javax.swing.GroupLayout.PREFERRED SIZE, 52,
javax.swing.GroupLayout.PREFERRED SIZE)
                         .addGap(23, 23, 23))))
             .addGroup(jPanel2Layout.createSequentialGroup()
                 .addGap(103, 103, 103)
                 .addComponent(Heading)
                 .addContainerGap(javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE))
        );
        jPanel2Layout.setVerticalGroup(
            ¡Panel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
             .addGroup(jPanel2Layout.createSequentialGroup()
                 .addContainerGap()
                 .addComponent(back, javax.swing.GroupLayout.PREFERRED SIZE, 38,
javax.swing.GroupLayout.PREFERRED SIZE)
                 .addGap(16, 16, 16)
                 .addComponent(Heading)
```

```
.addGap(51, 51, 51)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(id, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(text5, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE))
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(name, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(text4, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE))
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(clas, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(text3, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE))
                 .addGap(12, 12, 12)
                 .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED SIZE, 14,
javax.swing.GroupLayout.PREFERRED SIZE)
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(Physics, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(text6, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE))
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(Chemistry, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(text1, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE))
                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(Math, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
                     .addComponent(text2, javax.swing.GroupLayout.PREFERRED SIZE, 33,
javax.swing.GroupLayout.PREFERRED SIZE))
                 .addGap(31, 31, 31)
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                     .addComponent(submit, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE)
```

```
.addComponent(showgrade, javax.swing.GroupLayout.PREFERRED SIZE, 34,
javax.swing.GroupLayout.PREFERRED SIZE))
                .addContainerGap(156, Short.MAX VALUE))
        );
        ¡Panel1.add(¡Panel2);
        jPanel2.setBounds(400, 0, 400, 670);
        text.setColumns(20);
        text.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N
        text.setRows(5);
        jScrollPane1.setViewportView(text);
        ¡Panel1.add(jScrollPanel);
        jScrollPane1.setBounds(20, 70, 340, 440);
        jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
        jLabel2.setText("Details:-");
        jPanel1.add(jLabel2);
        jLabel2.setBounds(20, 30, 90, 40);
        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 106, Short.MAX VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
        pack();
    }// </editor-fold>
    private void text5MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
    private void text4MouseClicked(java.awt.event.MouseEvent evt) {
    private void text3MouseClicked(java.awt.event.MouseEvent evt) {
```

```
// TODO add your handling code here:
}
private void text2MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
private void text1MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
private void text6MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
private void MathActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
private void ChemistryActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
private void PhysicsActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
private void clasActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
private void nameActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
private void idActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
private void submitActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try{
        Class.forName("com.mysql.jdbc.Driver");
        Connection conn;
        conn = DriverManager.getConnection("jdbc:mysgl://localhost:3306/sms","root","2202");
        Statement st= conn.createStatement();
        String sql = "insert into Grades values (?,?,?,?,?,?,?)";
        String p = Physics.getText();
        double s1 = Double.parseDouble(p);
        String c = Chemistry.getText();
```

```
double s2 = Double.parseDouble(c);
String m = Math.getText();
double s3 = Double.parseDouble(m);
double total = ((s1+s2+s3)*100)/300;
String grade;
if(total>=80){
    grade = "A+";
else if(total>=70 && total<=80){
    grade = "A";
else if (total >=60 && total <= 70) {
    grade = "B";
else if (total >=50 && total <=60) {
    grade = "C";
else if (total >=40 && total <=50){
    grade = "C";
}
else{
    grade="Fail";
}
String i = id.getText();
String n = name.getText();
String cl = clas.getText();
String ph = Physics.getText();
String ch = Chemistry.getText();
String mt = Math.getText();
PreparedStatement ptst = conn.prepareStatement(sql);
ptst.setString(1, i);
ptst.setString(2, n);
ptst.setString(3, cl);
ptst.setString(4, ph);
ptst.setString(5, ch);
ptst.setString(6, mt);
ptst.setString(7, grade);
ptst.executeUpdate();
JOptionPane.showMessageDialog(null, "Data has been Saved!");
text.setText("Report Card\n\n\n Id :- "+i+"\n\n Student Name :- "+n+"\n\n Class :-
```

```
"+cl+"\n\nMarks\n\n Physics :- "+ph+
                    "\n\n Chemistry :- "+ch+"\n\n Math's :- "+mt+"\n\n Grade :- "+grade);
            conn.close();
        }
        catch(HeadlessException | ClassNotFoundException | SQLException e) {
            JOptionPane.showMessageDialog(null,"Error while establishing connection!");
    }
    private void backMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        Welcome obj =new Welcome();
        obj.setVisible(true);
        dispose();
    private void showgradeActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        ShowGrade obj =new ShowGrade();
        obj.setVisible(true);
        dispose();
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        trv {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(GradeCard.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
```

```
java.util.logging.Logger.getLogger(GradeCard.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(GradeCard.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(GradeCard.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        //</editor-fold>
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new GradeCard().setVisible(true);
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JTextField Chemistry;
    private javax.swing.JLabel Heading;
    private javax.swing.JTextField Math;
    private javax.swing.JTextField Physics;
    private javax.swing.JLabel back;
    private javax.swing.JTextField clas;
    private javax.swing.JTextField id;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTextField name;
    private javax.swing.JButton showgrade;
    private javax.swing.JButton submit;
    private javax.swing.JTextArea text;
    private javax.swing.JLabel text1;
    private javax.swing.JLabel text2;
    private javax.swing.JLabel text3;
    private javax.swing.JLabel text4;
    private javax.swing.JLabel text5;
    private javax.swing.JLabel text6;
    // End of variables declaration
```

Grade Card Page Code: -

package schoolmanagement.system;

```
import java.awt.HeadlessException;
import javax.swing.JOptionPane;
import java.sql.*;
import javax.swing.table.DefaultTableModel;
/**
 * @author it's Anivesh
public class ShowGrade extends javax.swing.JFrame {
    /**
     * Creates new form ShowGrade
    public ShowGrade() {
        initComponents();
    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
        ¡Panel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        Heading = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        back = new javax.swing.JLabel();
        jScrollPane1 = new javax.swing.JScrollPane();
        GradeTable = new javax.swing.JTable();
        show = new javax.swing.JButton();
        sid = new javax.swing.JTextField();
        text = new javax.swing.JLabel();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT ON CLOSE);
        setPreferredSize(new java.awt.Dimension(800, 500));
        jPanel1.setBackground(new java.awt.Color(255, 255, 255));
        jPanel1.setPreferredSize(new java.awt.Dimension(800, 500));
        jPanel1.setLayout(null);
        jPanel2.setBackground(new java.awt.Color(0, 102, 102));
        Heading.setBackground(new java.awt.Color(255, 255, 255));
        Heading.setFont(new java.awt.Font("Segoe UI", 1, 36)); // NOI18N
        Heading.setForeground(new java.awt.Color(255, 255, 255));
        Heading.setText("Grade Card");
```

```
jLabel2.setBackground(new java.awt.Color(255, 255, 255));
        jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("Mark's Details.");
        back.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
        back.setForeground(new java.awt.Color(255, 255, 255));
        back.setText("<Back");</pre>
        back.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                backMouseClicked(evt);
            }
        });
        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        ¡Panel2Layout.setHorizontalGroup(
            ¡Panel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED SIZE, 220,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(250, 250, 250))
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(305, 305, 305)
                .addComponent(Heading)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 240,
Short.MAX VALUE)
                .addComponent(back, javax.swing.GroupLayout.PREFERRED SIZE, 52,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(14, 14, 14))
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addGap(18, 18, 18)
                         .addComponent(Heading))
                     .addGroup(jPanel2Layout.createSequentialGroup()
                         .addContainerGap()
                         .addComponent(back, javax.swing.GroupLayout.PREFERRED SIZE, 38,
javax.swing.GroupLayout.PREFERRED SIZE)))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED SIZE, 20,
javax.swing.GroupLayout.PREFERRED SIZE)
                .addContainerGap(28, Short.MAX VALUE))
```

```
);
jPanel1.add(jPanel2);
jPanel2.setBounds(0, 0, 800, 120);
GradeTable.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null, null, null, null},
        {null, null, null, null, null, null, null,
    },
   new String [] {
        "Id", "Name", "Class", "Physics", "Chemistry", "Math's", "Grade"
    }
));
jScrollPane1.setViewportView(GradeTable);
jPanel1.add(jScrollPanel);
jScrollPane1.setBounds(0, 120, 800, 130);
show.setBackground(new java.awt.Color(0, 102, 102));
show.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
show.setForeground(new java.awt.Color(255, 255, 255));
show.setText("Show");
show.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        showActionPerformed(evt);
    }
});
¡Panel1.add(show);
show.setBounds(230, 320, 150, 40);
sid.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        sidActionPerformed(evt);
});
¡Panel1.add(sid);
sid.setBounds(20, 320, 180, 40);
text.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
text.setForeground(new java.awt.Color(0, 102, 102));
text.setText("Enter Id to search Grade Card.");
text.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        textMouseClicked(evt);
```

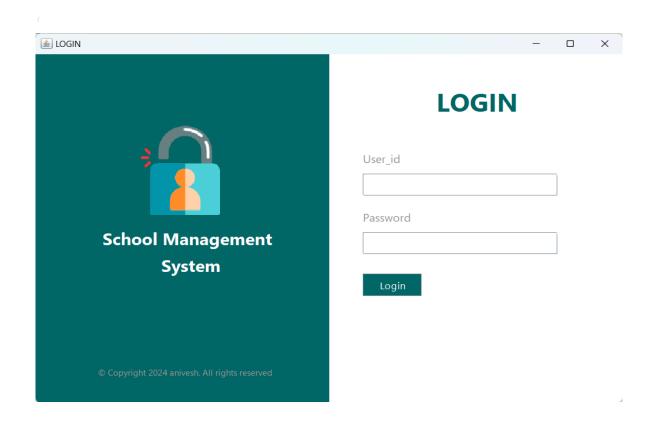
```
});
        jPanel1.add(text);
        text.setBounds(20, 280, 220, 33);
        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 0, Short.MAX VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)
                .addGap(0, 402, Short.MAX VALUE))
        );
        pack();
    }// </editor-fold>
    private void showActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String sd = sid.getText();
        try{
            Class.forName("com.mysql.jdbc.Driver");
            Connection conn;
            conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/sms","root","2202");
            String sql = "select * from sms.Grades Where Id ="+sd;
            PreparedStatement ptst = conn.prepareStatement(sql);
            ResultSet rs =ptst.executeQuery();
            DefaultTableModel tm = (DefaultTableModel)GradeTable.getModel();
            tm.setRowCount(0);
            while(rs.next()){
            Object
o[]={rs.getInt("Id"),rs.getString("Name "),rs.getInt("Class"),rs.getInt("Physics"),rs.getInt("Chemis
try"),rs.getInt("Maths"),rs.getString("Grades")};
            tm.addRow(o);
        catch(HeadlessException | ClassNotFoundException | SQLException e) {
            JOptionPane.showMessageDialog(null, "Id Not Found!");
    }
    private void sidActionPerformed(java.awt.event.ActionEvent evt) {
```

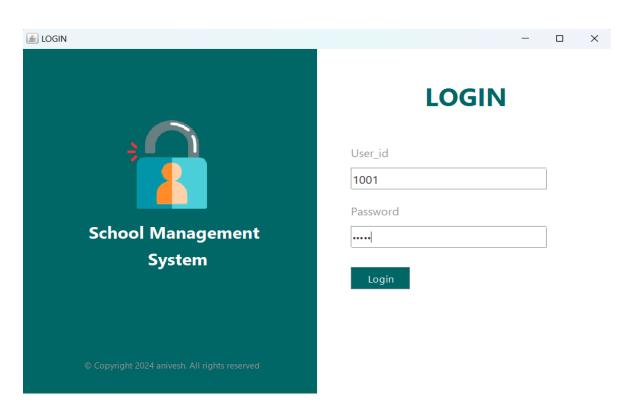
```
// TODO add your handling code here:
    }
    private void textMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
    private void backMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        GradeCard obj =new GradeCard();
        obj.setVisible(true);
        dispose();
    }
    /**
     * @param args the command line arguments
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                     javax.swing.UIManager.setLookAndFeel(info.getClassName());
                     break;
        } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(ShowGrade.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(ShowGrade.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(ShowGrade.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(ShowGrade.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        //</editor-fold>
```

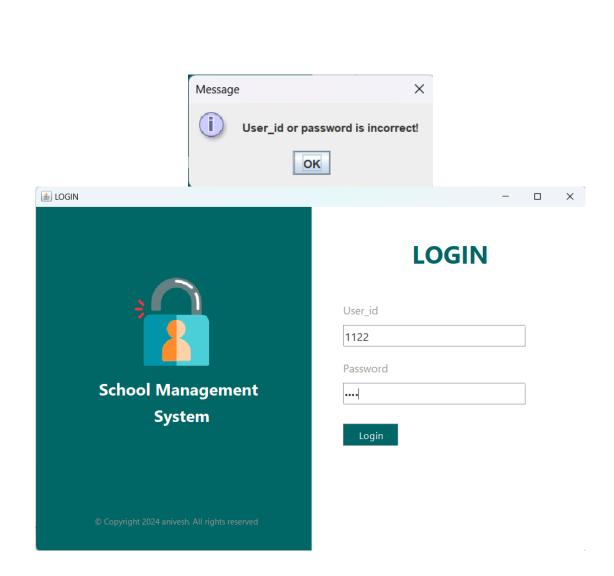
```
/* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new ShowGrade().setVisible(true);
    });
// Variables declaration - do not modify
private javax.swing.JTable GradeTable;
private javax.swing.JLabel Heading;
private javax.swing.JLabel back;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JButton show;
private javax.swing.JTextField sid;
private javax.swing.JLabel text;
// End of variables declaration
```

INPUT AND OUTPUT SCREEN

Login Page with user id and Password :-

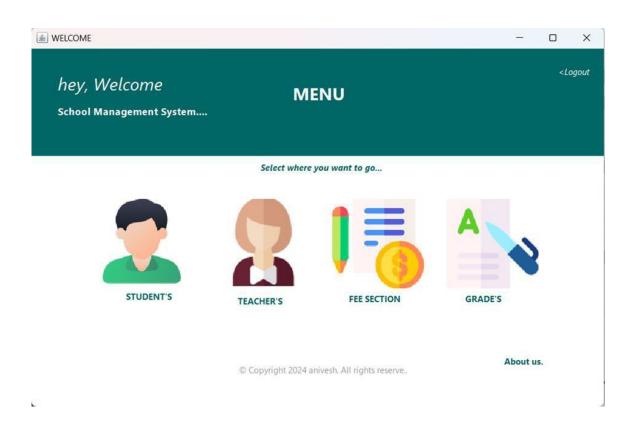




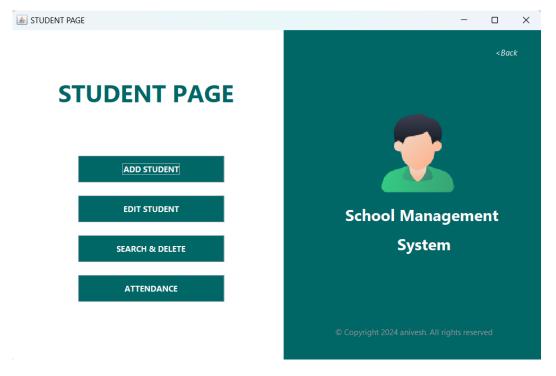


Home page or Welcome Page:-

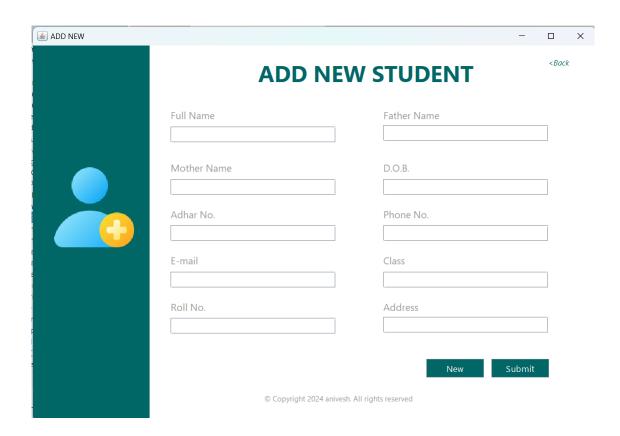
After Login successfully, then Main Home page will be open. Which is having 4 main menus with different - different form and functionality



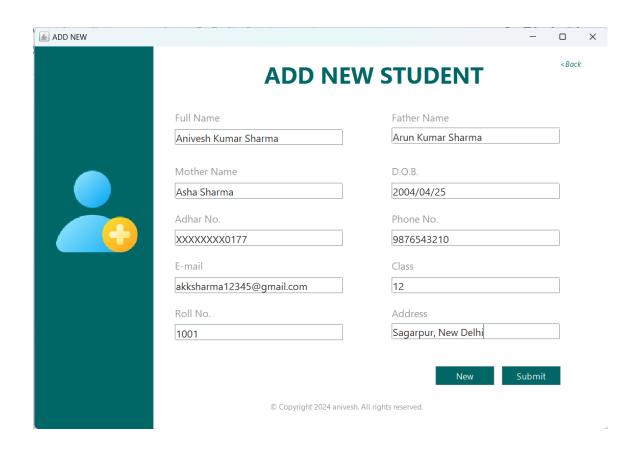
DESCRIPTION:- Using the first menu of Student Module, you have shown 4 menus. By help of 1st menu, we can open **Student's Page**, by help of 2nd menu, we can open **Teacher Page**, by help of 3nd menu, we can open **Fee Page** and by help of 4nd menu, we can open **Grade's Page**. Below 1st menu will opening



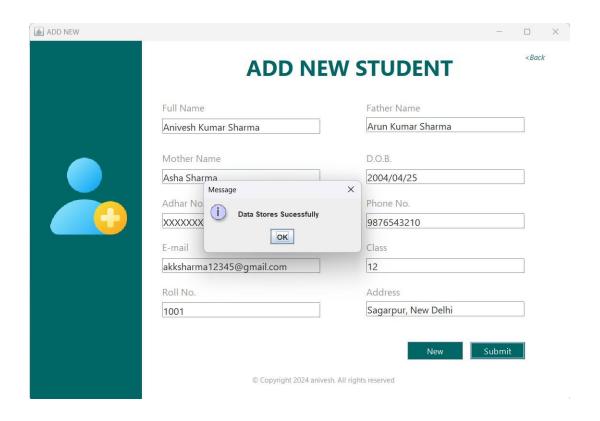
DESCRIPTION:- Using the first menu of Student Module, you have shown 4 menus. By help of 1st menu, we can open **Add New Student form**, by help of 2nd menu, we can open **Edit Student Details form**, by help of 3nd menu, we can open **Search & Delete Students form** and by help of 4nd menu, we can open **Student Attendance form**. Below 1st menu will opening



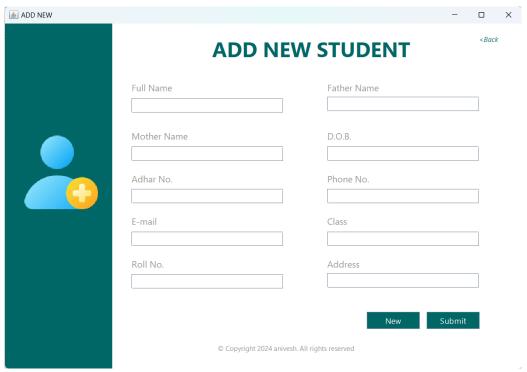
Below image showing, Fill data in Add New Student



By Clicking Submit Button, Data will instert in our Database and we got a Message.



Description: When the teacher details will be saved then by clicking New Button the fiels erased as show in below.



By Clicking < Back Button, we come on Student Page

DESCRIPTION:- Using the first menu of Student Module, you have shown 4 menus. By help of 1st menu, we can open **Add New Student form**, by help of 2nd menu, we can open **Edit Student Details form**, by help of 3nd menu, we can open **Search & Delete Students form** and by help of 4nd menu, we can open **Student Attendance form**. Below 2nd **Edit Student Details** menu will opening

■ EDIT STUDENT DETAILS		- D X
	EDIT STUDENT INFO.	
	Roll No.	Name
	Father Name	Mother Name
	D.O.B.	Adhar No.
	Phone No.	E-mail
	Class	Address
	© Copyright 2024 anivesh. A	All rights reserved Update
■ EDIT STUDENT DETAILS		-
	EDIT STU	DENT INFO.
	Roll No.	Name
	1001	Aniket
	Father Name	Mother Name
	Arun Kumar Sharma	Asha Sharma
	D.O.B.	Adhar No.
	2005/12/05	XXXXXXX7854
	Phone No.	E-mail
	7739927736	aniket12345@gmail.com
	Class	Address
	5	Sagarpur, New Delhi
	© Copyright 2024 anivesh. All rights reserved Update	

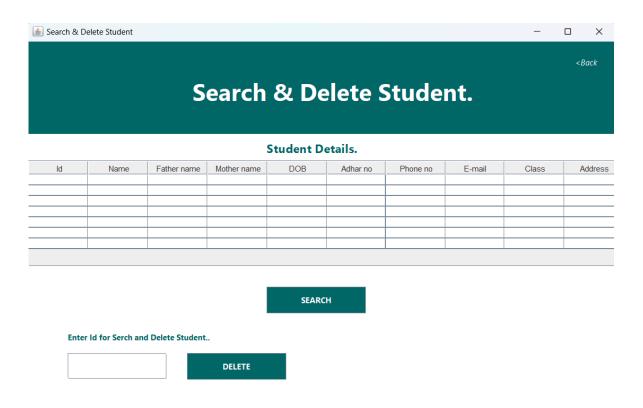
EDIT STUDENT DETAILS <Back **EDIT STUDENT INFO.** Roll No. Name 1001 Aniket Father Name Mother Name Arun Kumar S Message × sharma Record has been Updated Sucessfully! D.O.B. 2005/12/05 OK XXXX7854 Phone No. 7739927736 aniket12345@gmail.com Class Address Sagarpur, New Delhi

By Clicking Update Button, Data will be updated in our Database and we got a Message.

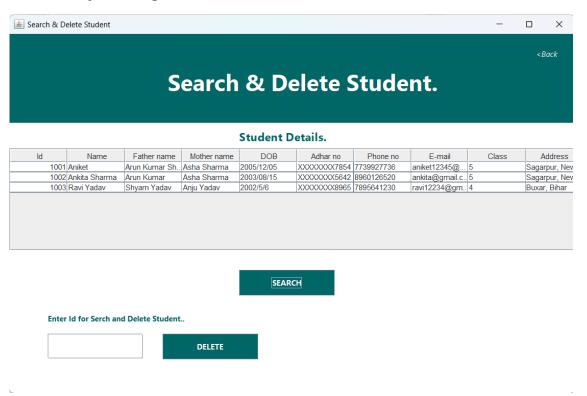
By Clicking <Back Button, we come on Student Page

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DESCRIPTION:- Using the first menu of Student Module, you have shown 4 menus. By help of 1st menu, we can open **Add New Student form**, by help of 2nd menu, we can open **Edit Student Details form**, by help of 3nd menu, we can open **Search & Delete Students form** and by help of 4nd menu, we can open **Student Attendance form**. Below 3rd **Search & Delete Student** menu will opening

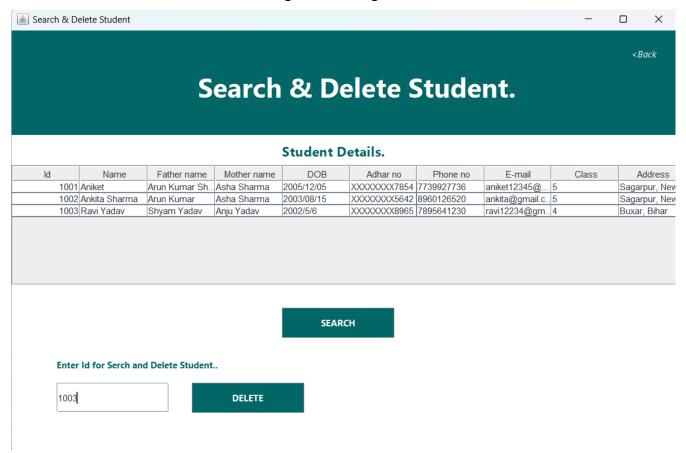


By Clicking Search Button, Data will be show in the Tables.

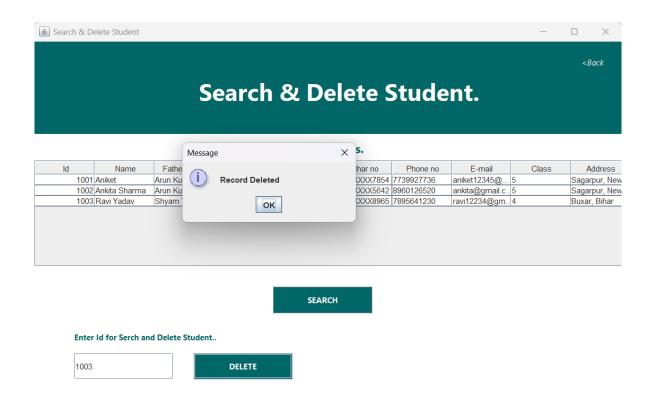


By help Of Student details we can see all student record. In This Page have a delete button help to delete record from database.

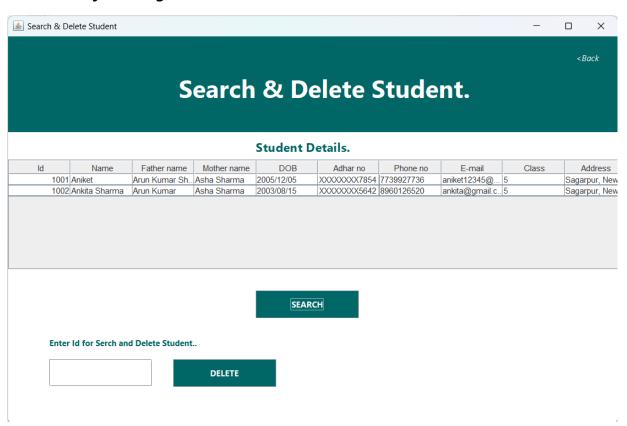
DESCRIPTION:- below image is showing Delete record from database.



By Clicking Delete Button, Data will be Deleted by the Database.

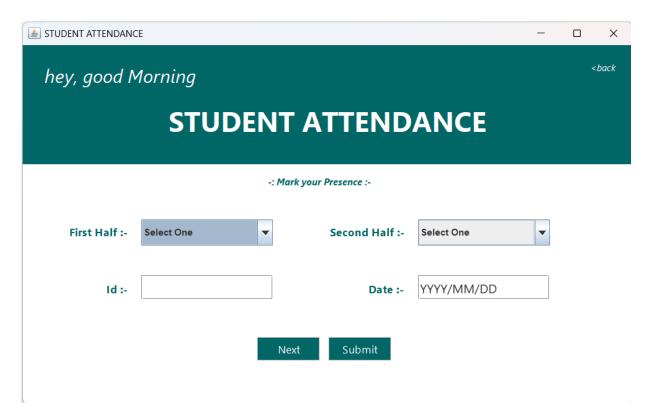


By Clicking SearchButton, Data will be not shown in the Table.

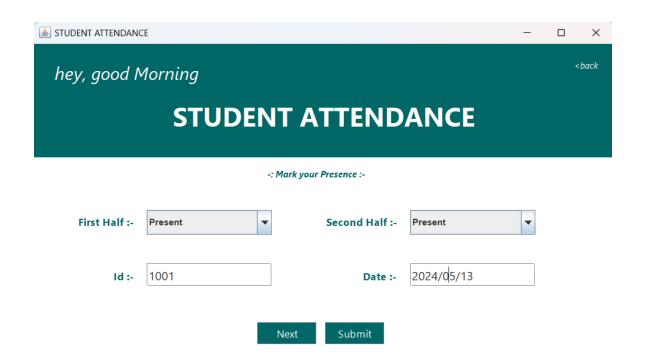


By Clicking < Back Button, we come on Student Page

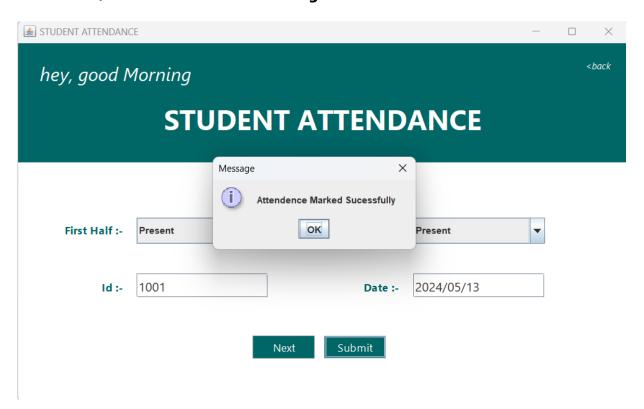
DESCRIPTION:- Using the first menu of Student Module, you have shown 4 menus. By help of 1st menu, we can open **Add New Student form**, by help of 2nd menu, we can open **Edit Student Details form**, by help of 3nd menu, we can open **Search & Delete Students form** and by help of 4nd menu, we can open **Student Attendance form**, here we can add daily attendance of student. After we submitting attendance will store in database. Below 4th **Student Attendance** menu will opening



In Student Attendance form we can take attendance, which student is enrolling in school. Other wise can not take fraud attendance. Then we can select first period, student is present or absent. Then we select second period, student is absent or present. After competition of this process, we will click submit button.



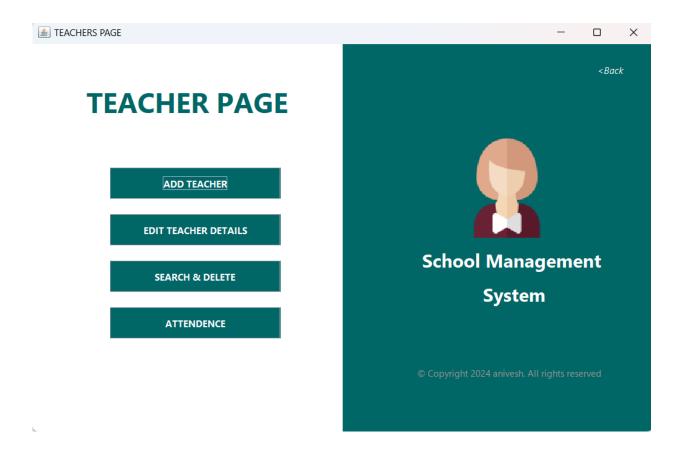
When, we click submit button we get attendance conformation window.



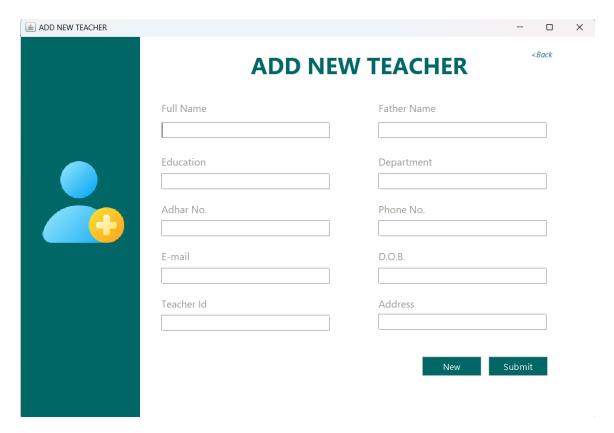
Description: When the Attendance will be marked then by clicking Next Button the fiels erased.

By Clicking Twice < Back Button, we come on Main Menu Page

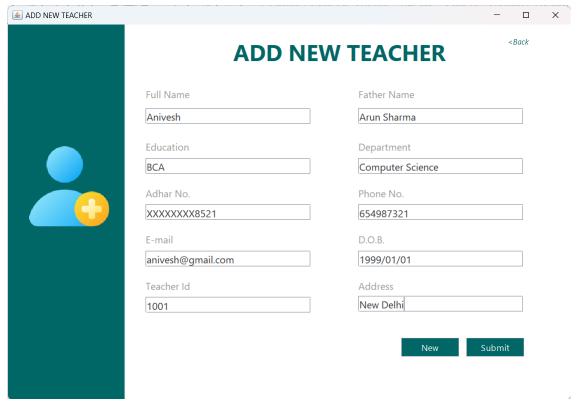
DESCRIPTION:- Using the Second menu of Teacher's Module, you have shown 4 menus. By help of 1st menu, we can open **Add New Teacher form**, by help of 2nd menu, we can open **Edit Teacher Details form**, by help of 3nd menu, we can open **Search & Delete Teacher form** and by help of 4nd menu, we can open **Teacher Attendance form**, here we can add daily attendance of student. After we submitting attendance will store in database. Below 2th **Teacher's** menu will opening



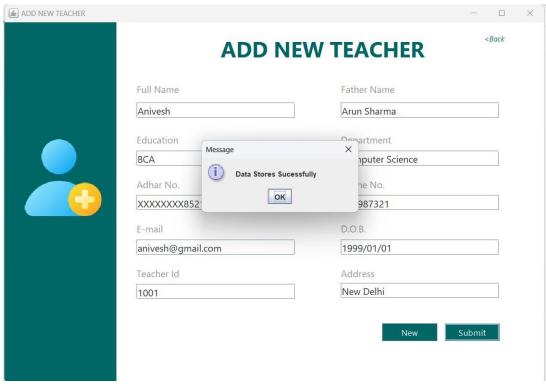
DESCRIPTION:- Using the Second menu of Teacher Module, you have shown 4 menus. By help of 1st menu, we can open **Add New Teacher form**, by help of 2nd menu, we can open **Edit Teacher Details form**, by help of 3nd menu, we can open **Search & Delete Teacher form** and by help of 4nd menu, we can open **Teacher Attendance form**. Below 1st menu **Add New Teacher form** will opening



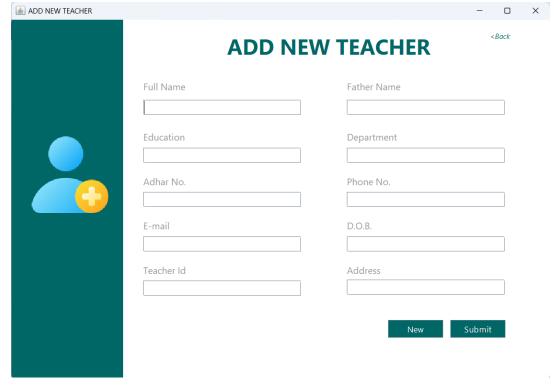
Below image showing, Fill data in Add New Teacher



By Clicking Submit Button, Data will instert in our Database and we got a Message.

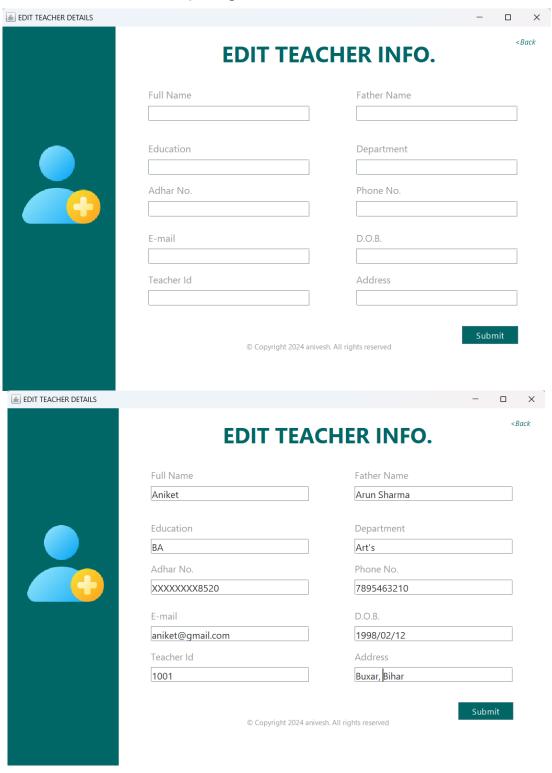


Description :- When the teacher details will be saved then by clicking New Button the fiels erased as show in below.



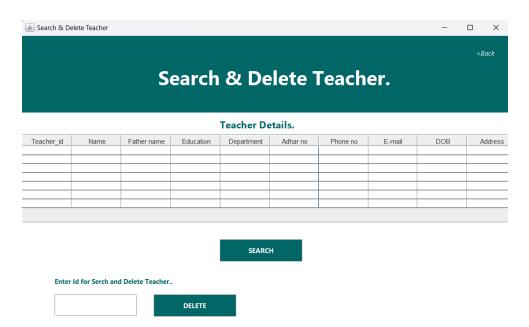
By Clicking < Back Button, we come on Teacher's Page

DESCRIPTION:- Using the second menu of Teacher Module, you have shown 4 menus. Below 2nd menu **Edit Teacher Details form** will opening

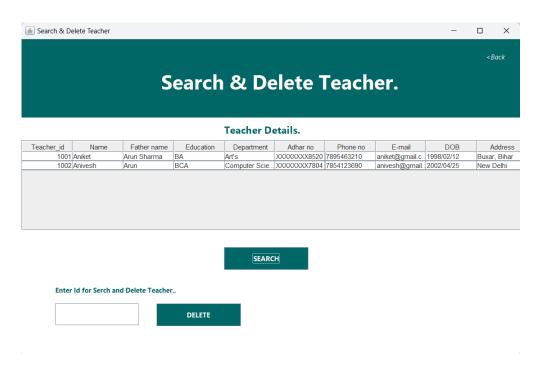


By Clicking Update Button, Data will be updated in our Database and we got a Message. By Clicking <Back Button, we come on Teacher's Page

DESCRIPTION:- Using the second menu of Teacher Module, you have shown 4 menus. Below 2nd menu **Search & Delete Teacher Page** will opening

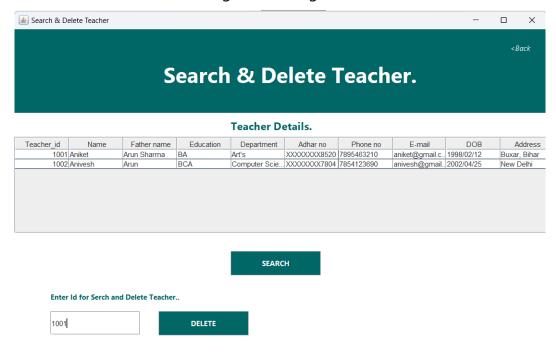


By Clicking Search Button, Data will be show in the Tables.

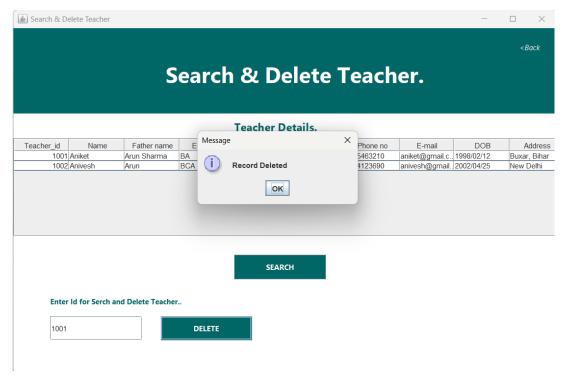


By help Of Teacher details we can see all Teacher record. In This Page have a delete button help to delete record from database.

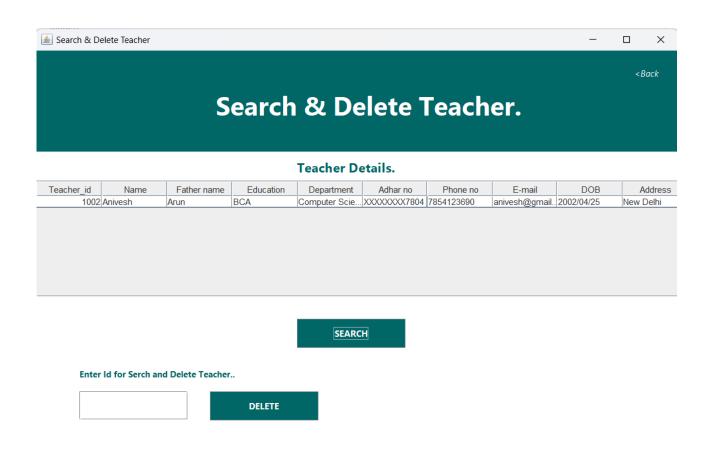
DESCRIPTION:- below image is showing Delete record from database.



By Clicking Delete Button, Data will be Deleted by the Database.

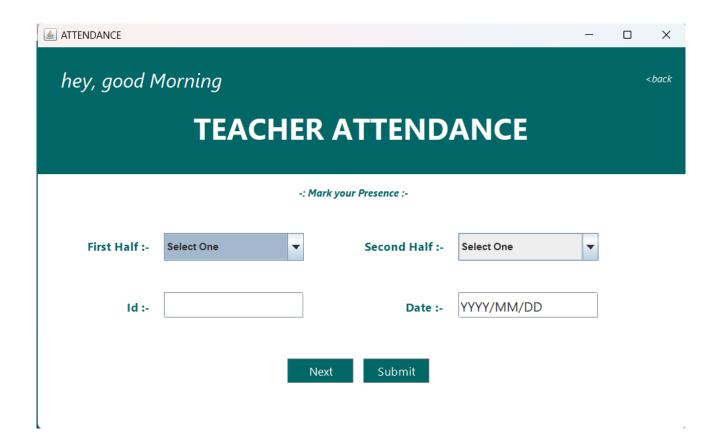


By Clicking SearchButton, Data will be not shown in the Table.

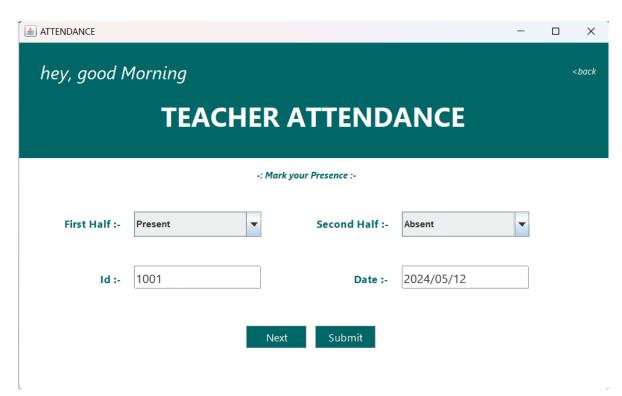


By Clicking < Back Button, we come on Teacher's Page

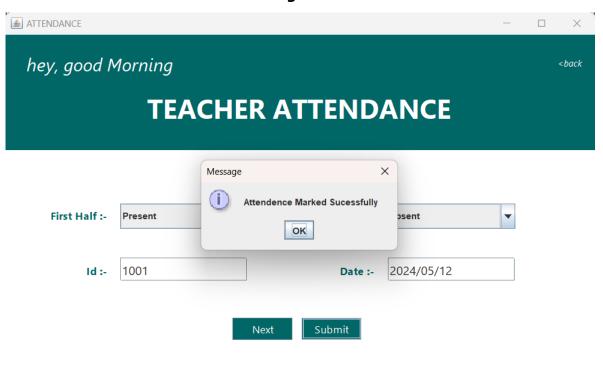
DESCRIPTION:- Using the second menu of Teacher Module, you have shown 4 menus. Below 3rd menu **Teacher Attendance Page** will opening



In Teacher Attendance form we can take attendance, which Teacher is in school. Other wise can not take fraud attendance. Then we can select first period, Teacher is present or absent. Then we select second period, student is absent or present. After competition of this process, we will click submit button.



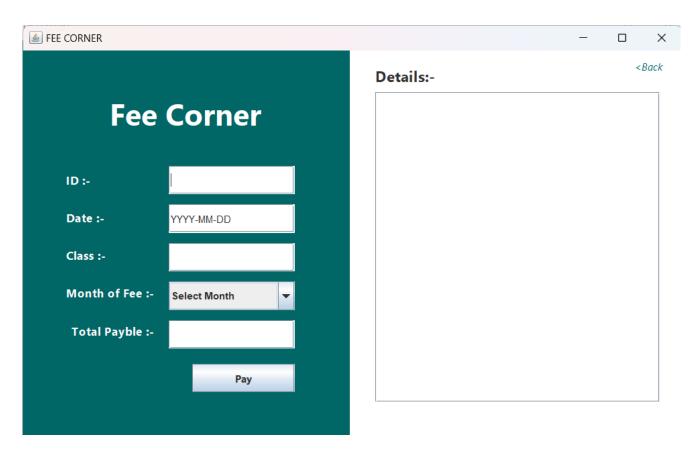
When, we click submit button we get attendance conformation window.



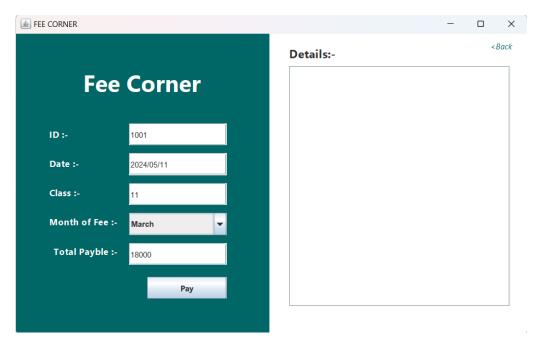
Description: When the Attendance will be marked then by clicking Next Button the fiels erased.

By Clicking Twice < Back Button, we come on Main Menu Page

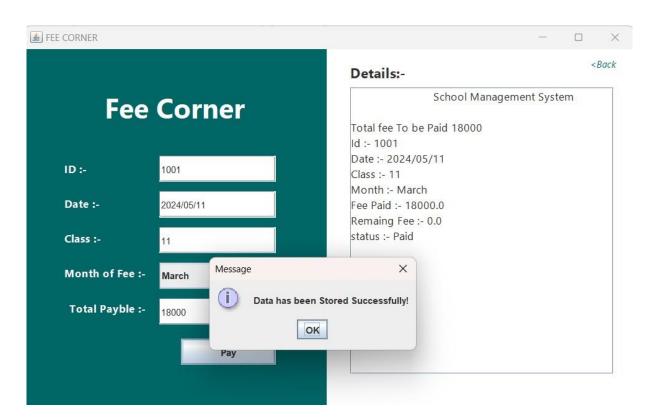
DESCRIPTION:- Using the Third menu of **Fee Section Module**, you have shown 4 menus.Below 3rd **Fee Section Module** menu will opening



In Student Fee Submission Form, we will select roll number, which we want to submit fee, Then Fill Date, Class, then we will choose month name, then you enter playball amount, after this work complete, we will click pay button by Default Fee Amount is



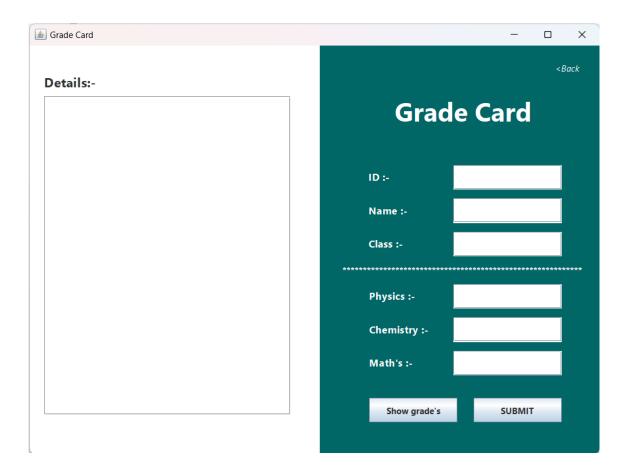
When, we click pay button we get Fee Submit conformation window and also get the Details about remaining Fee.



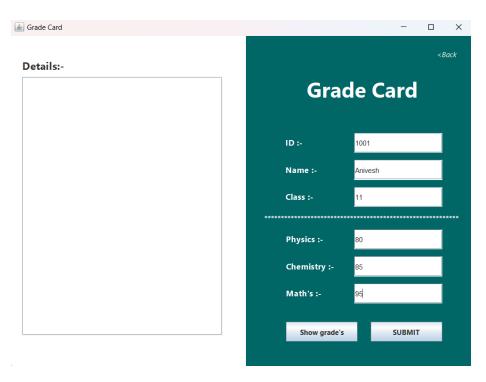
Description :- When the Fee will be Submitted Sucessfully then by clicking Next Button the fiels erased.

By Clicking <Back Button, we come on Main Menu Page

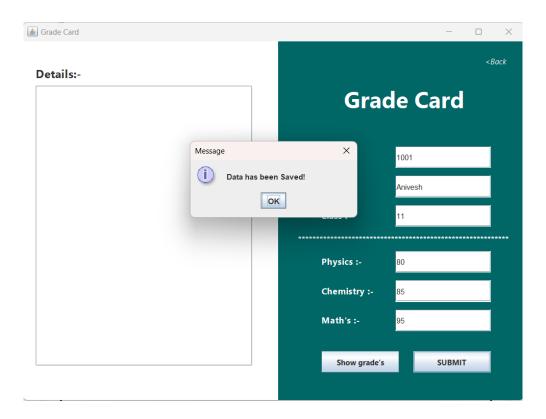
DESCRIPTION:- Using the Third menu of **Grade Card Module**, you have shown 4 menus. Below image showing, Student Marks Enter form,

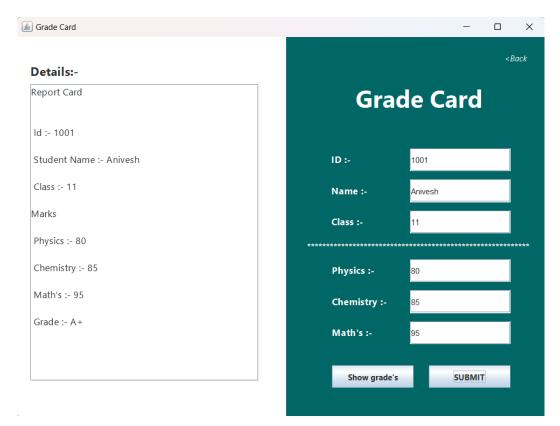


Below image showing, Fill data in Enter Marks form

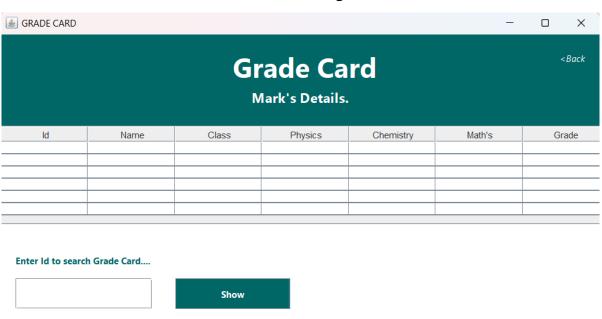


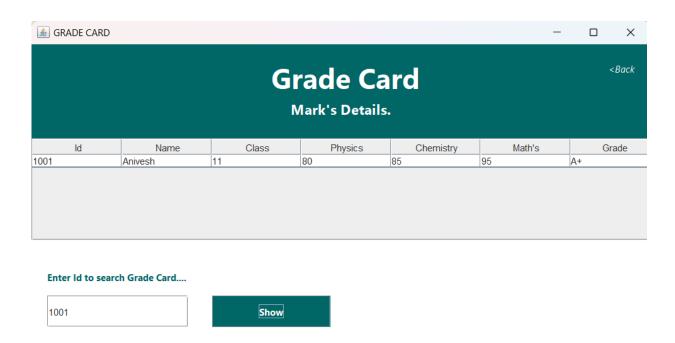
When, we click Submit button we get Marks Submit conformation window and also get the Details about Grade's & Mark's.



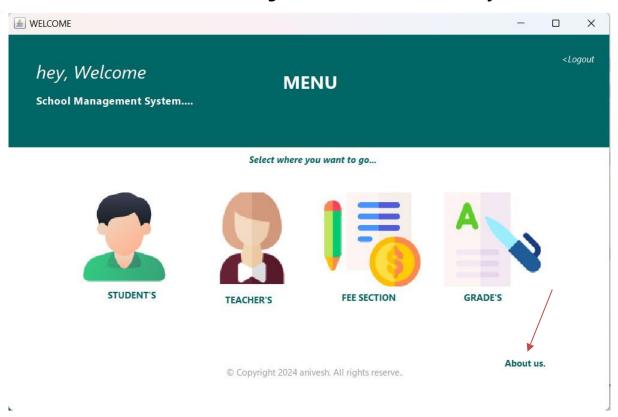


When, we click Show Grade's button we get Marks information window.





By Clicking < Back Button, we come on Main Menu Page. On main menu page there is a Button About us where we got Information about facality.



When, we click About us button we get Facility information window.



TESTING TECHIQUES

Unit Testing for Project: -

Unit Testing is a crucial phase in software development where the smallest functional components, called units, undergo thorough scrutiny to ensure they operate correctly. The main aim is to isolate each unit, test it independently, and verify its behavior matches expectations. This meticulous process helps detect a significant portion of defects early on. Developers typically handle unit testing, ensuring that every module is individually examined for proper functioning before integration.

The process begins by testing each unit separately, ensuring they work efficiently without errors. This approach prevents faulty modules from causing major issues during integration. Once all units pass the tests, larger components are evaluated through integration testing. While unit testing demands time, attention to detail, and thoroughness from the development team, it ultimately helps prevent significant software pitfalls in the long run.

Benefits of unit testing include:

- Modular testing reduces dependencies on other modules, enabling testing without waiting for the entire project to be available.
- Designers can promptly identify and rectify issues since they have the best understanding of the modules, allowing for simultaneous resolution of multiple problems.
- Early defect identification leads to lower fixing costs compared to later stages of development.
 Simplified debugging process.
- Achieves higher structural code coverage.
- More cost-effective than other testing stages.

Misconception about unit testing: -

- **Integration Testing Suffices:** Designers often mistakenly believe that integration testing will catch all bugs. However, as complexity accumulates, bugs become harder to resolve, leading to longer resolution times. It's crucial to address issues early to prevent widespread problems.
- **Programmers Dismiss Unit Testing:** Many designers perceive unit testing as unnecessary due to time constraints or overconfidence in their programming abilities. However, real-world software is complex, and errors are inevitable. Unit testing ensures modules function as expected, facilitating code enhancements.
- **Time Consumption Concerns:** Developers may rush to complete code, viewing unit testing as a redundant step since QA will test it anyway. However, neglecting unit testing leads to unreliable software, requiring extensive bug tracking and integration efforts, potentially missing deadlines.

Best Practices for Unit Testing: -

- **Independent Test Cases:** Ensure each test case is independent to accommodate changes during testing. Specify each behavior in a single test to avoid multiple test modifications later.
- **Single Code Testing:** Test each module independently to prevent overlapping tests. Testing all modules together can lead to intertwined dependencies, causing failures when one unit is modified.
- **Clear Naming Convention:** Name your unit tests consistently and clearly. Make sure they're easy to read so that anyone can execute them without confusion. Consistency in naming conventions is key.
- **Pre-Implementation Testing:** Before making any changes to a module's interface or implementation, ensure it has test cases and passes them. This ensures that your modifications won't cause any unexpected issues.
- **Bug Fixation:** Always fix any bugs identified during unit testing before proceeding to the next phase of development. This ensures that your software is stable and reliable as it progresses.

Unit Testing Techniques: Structural, Functional & Error Based Techniques

- **Structural Techniques:** These techniques, also known as White Box Testing, examine the internal structure of the system to design test cases. Testers need programming skills to identify various paths through the software. Key structural techniques include:
- Statement Testing: Ensures each statement in the program is executed at least once.
- **Branch Testing:** Tests all branches in the program source code at least once.
- Path Testing: Examines all paths in the program source code at least once.
- **Condition Testing:** Selectively executes code based on the comparison of a value to determine the program path.
- **Expression Testing:** Tests the application with different values of Regular Expressions.

Functional Testing Techniques: - These techniques, also known as Black Box Testing, focus on testing the functionality of the application without looking at its internal code. Key functional testing techniques include:

- **Input Domain Testing:** Concentrates on the size and type of every input object using boundary value analysis and equivalence class testing.
- Boundary Value Analysis: Designs tests to include representatives of boundary values.
- **Syntax Checking:** Verifies the syntax of the application.
- **Equivalence Partitioning:** Divides the input data of a software unit into partitions from which test cases can be derived.

Error-Based Techniques: - These techniques recognize that the best person to identify defects in code is often its designer.

- **Fault Seeding:** Intentionally inserting known defects into the code and testing until all are found.
- **Mutation Testing:** Modifying certain statements in the source code to check if the test code detects errors. This method can be costly, especially for large applications.
- Historical Test Data: Evaluating the priority of each test case using information from previous test executions.

A meticulous approach to unit testing aids in detecting bugs early in the software development process, enabling cost-effective corrections. Addressing bugs at later stages is arduous, time-consuming, and expensive. Therefore, testing software early in its lifecycle is crucial for efficiency and quality. Regression testing should be performed whenever software changes are made. Utilizing effective testing strategies, such as unit testing, alongside proper testing process management and tool usage, maximizes testing effectiveness. Effective unit testing contributes to the development of high-quality software products, benefiting the organization as a whole.

This approach is particularly beneficial for login UserID and password validation, where each form error is automatically handled, and only valid data is allowed in Textboxes and ComboBoxes.

LIMITATION OF THIS PROJECT

This project is solely dedicated to managing school operations:

- It operates as a Windows application.
- The system functions exclusively in offline de.
- It does not handle tasks such as computing student grades or class scheduling.
- Online payments are not supported.
- The application is desktop-based and not intended for online usage.
- It operates as a centralized system.
- Only administrators, not teachers or students, have access.
- As it is an offline system, it cannot be accessed via the internet.

FUTURE SCOPE OF THIS PROJECT

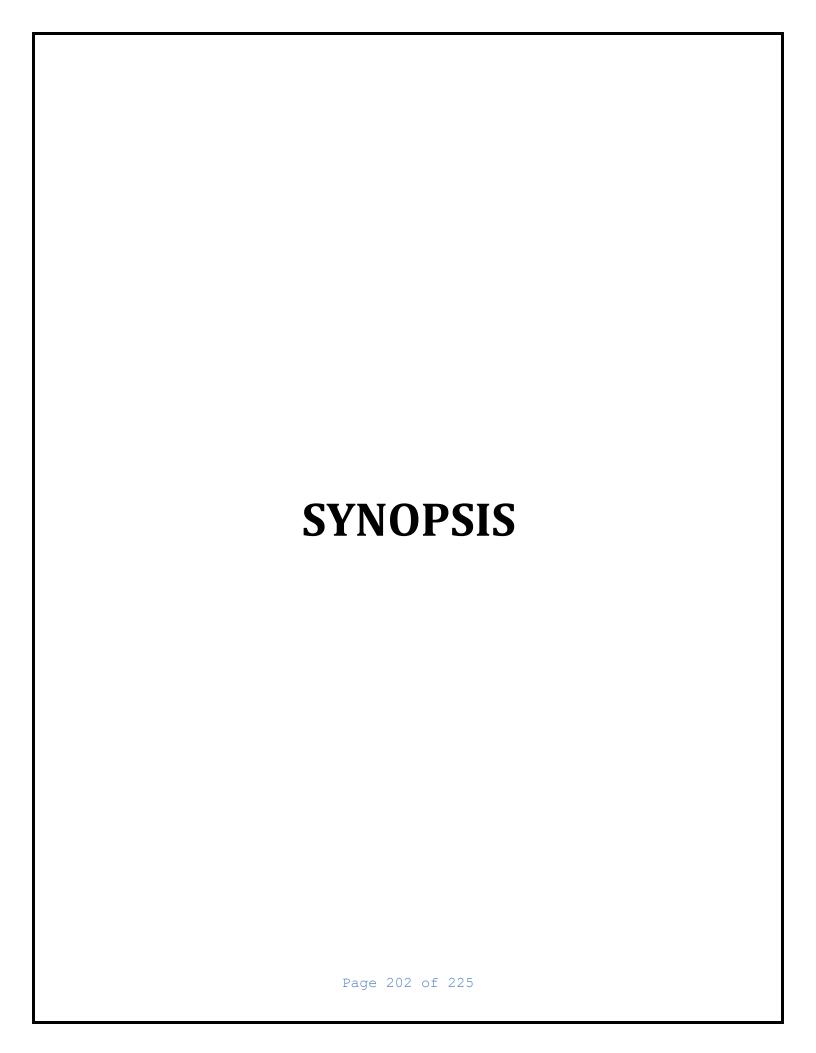
Looking ahead, our project will undergo continuous software updates, with a focus on expanding its features:

- Online Transition: The project will transition into an online school system.
- **Student Result Generation:** A module for generating student results will be added in the future, accessible online.
- **Online Class Conducting:** An online class conducting module will be integrated, allowing teachers to conduct classes remotely.
- **Multi-User Functionality: -** The system will evolve into a multi-user login system, enabling teachers and students to manage their respective accounts.
- **Library Management:** A library module will be introduced, overseen by a librarian who manages all library-related information.
- **Staff Management:** Updates will be provided to facilitate comprehensive staff management, covering all personnel working for the school.

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INDIRA GANDHI NATIONAL OPEN UNIVERSITY



Bachelor of Computer Application

BCSP-064

SYNOPSIS

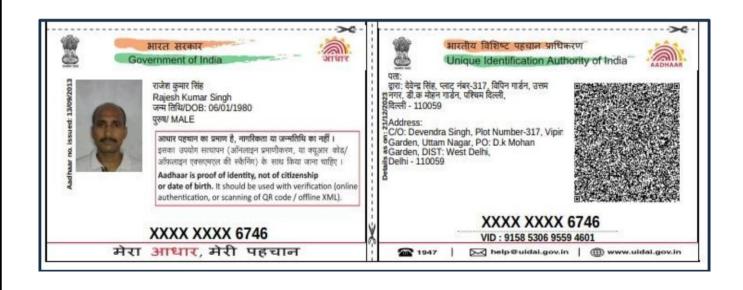
School Management System

GUIDED BY

RAJESH KUMAR SINGH MCA POST- Senior DBA EXPERIENCE- 14 YEAR'S

SUBMITTED BY

ANIVESH KUMAR SHARMA ENROLLMENT- 2108228925 SESSION- 2021-2024



IGNOU ID Card



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3. This ID Card is generated online. Students are advised to take a color print of this ID Card and get it laminated.

4. The student details can be cross checked with the QR Code at www.ignou.ac.in



Anivesh Komar Sharma.



Registrar Student Registration Division

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Chapter 1 Title of Project



SCHOOL MANAGEMENT SYSTEM

Chapter 2 Introduction

I am **Anivesh Kumar Sharma**, currently developing a Windows application called the "**School Management System.**" This application aims to streamline the daily operations of schools and reduce the reliance on paper-based processes. One of the key features of this system is its dynamic and configurable nature, allowing users to personalize elements such as the project title, school name, application theme, and other master entities. The School Management System serves as an administrative tool accessible only to authorized individuals with specific privileges. It provides a centralized digital platform for monitoring daily activities within the school. By utilizing a single digital dashboard, school owners can easily stay updated on the progress of students, teachers, and principals. With just a few clicks, they can efficiently manage tasks such as tracking student attendance, generating aesthetically pleasing report cards, and handling other administrative responsibilities.

Chapter3 Objective

In today's context, computers play a pivotal role in organizational efficiency due to their ability to effortlessly handle vast amounts of data, surpassing human capabilities. This significance is particularly evident in educational institutions, such as schools, where the management of extensive student information becomes challenging over time.

The school in question has been operational for 17 years and has accumulated a substantial student population. Managing and accessing timely information about the institute poses a difficulty for the administration. Introducing a computer system into the institute can streamline the management and accessibility of data.

The primary goal of implementing a School Management System is to effectively oversee various aspects of the educational institution, including details about schools, students, classes, teachers, and courses. This system operates exclusively at the administrative level, ensuring that only authorized administrators have access. The project aims to create an application program that automates and minimizes manual efforts in managing schools, students, registrations, and classes. It encompasses tracking information related to classes, teachers, students, results, and attendance.

The specific objectives of the School Management System include:

- 34Revenue Management
- Admission Management
- Reducing Communication Gap
- Student Performance Monitoring
- Organizing and Simplifying Everyday Tasks.
- Centralized Data and Easy Access
- Time Table and Attendance Management

Chapter 4 Project Category

The **School Management System** is a desktop-based application, specifically designed as a Desktop Centralized application. Access and management rights are exclusive to the administrator. The project, titled "School Management System," operates within the framework of a Relational Database Management System (RDBMS). The development of this application is facilitated by the utilization of Java Swing and MySQL technologies.

Chapter 5 Feature of Project

Features Of This School Management System

- Manage Teachers In this feature the user can manage all the information of
- teachers including, "add new teacher", "update or modify teacher" and "deleteteacher".
- Manage Students In this feature the user can manage all the information of
- students including, "add new student", "update or modify student" and "delete student".
- **Manage Students' Attendance** In this feature the user can manage theattendance of the students.
- **Login/Logout System** In this feature where the user can login and logout to thesystem.

Chapter 6 Hardware Requirement

We cared about hardware requirement. Our project is very friendly to any hardware. But some hardware requirement is important for this application.

Hardware's are:

Processor
 Intel i3 and above

• Processor Speed 2.3Ghz

• Solid State Drive 500Gb Minimum

• Ram Memory 4Gb Minimum

Chapter 7 Software Requirement

Software's are:

• Operating System Windows 7 and Above

Database MySQL

Frontend NetBeans

Language JAVA

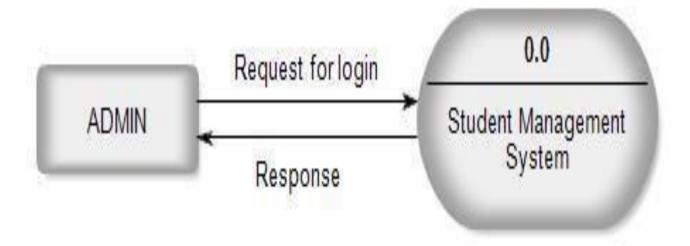
Language Method Swing

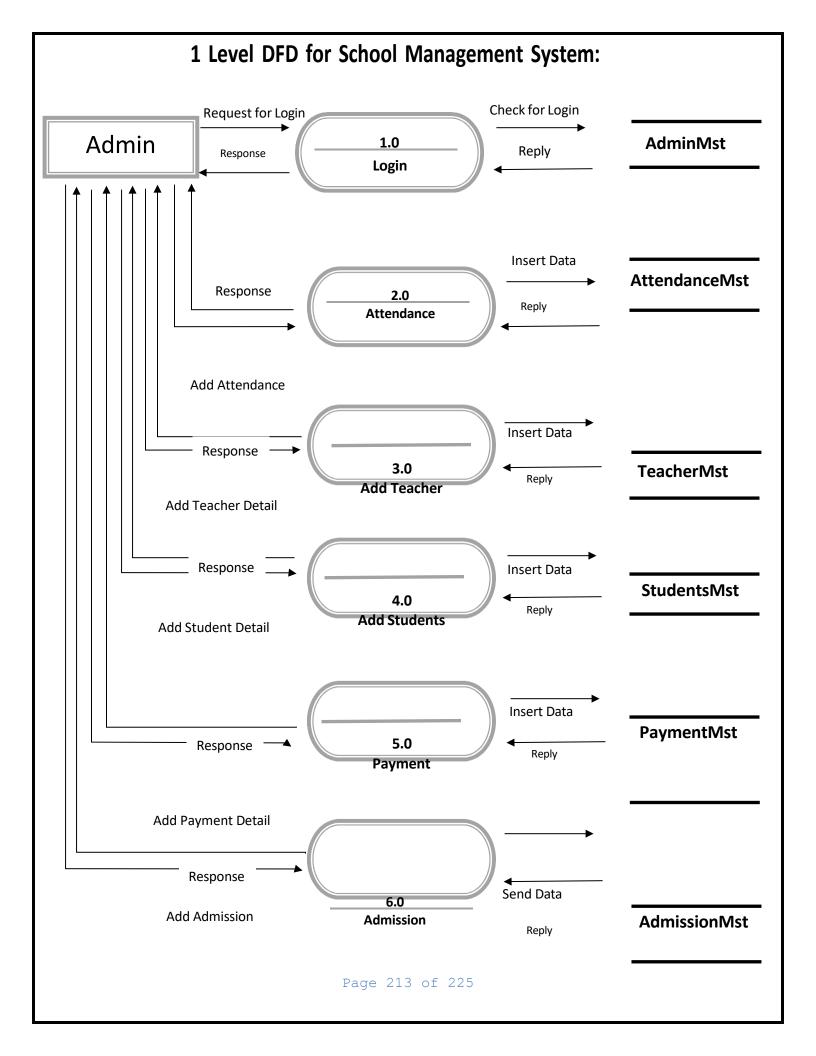
Chapter 8 Diagram

Diagrams play a crucial role in comprehending our project, and we utilize several types, including Data Flow Diagram (DFD), Entity-Relation Diagram (ERD), and Flow Chart. These visual aids, such as charts and graphs, serve as guides, illustrating the project's functionality and the flow of data from the database to the client. Essentially, a diagram acts as both a blueprint and a roadmap for our project.

The **O Level DFD**, also known as the context level data flow diagram, provides an overview of the entire system. It outlines the all-encompassing system and depicts all user modules that interact with the system. In the context level data flow diagram for the Student Management System project, the focus is on illustrating that a single admin user operates the system. The admin carries out all activities within the system after successfully logging in.

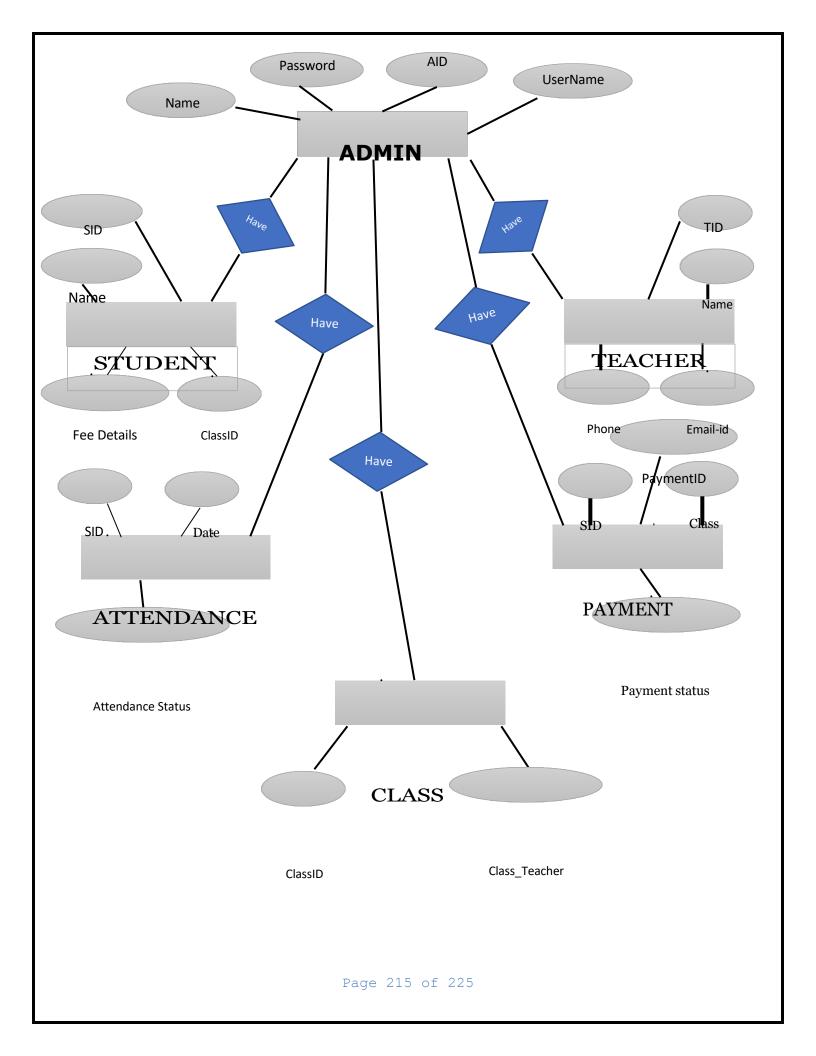
Context Level DFD (0 Level)



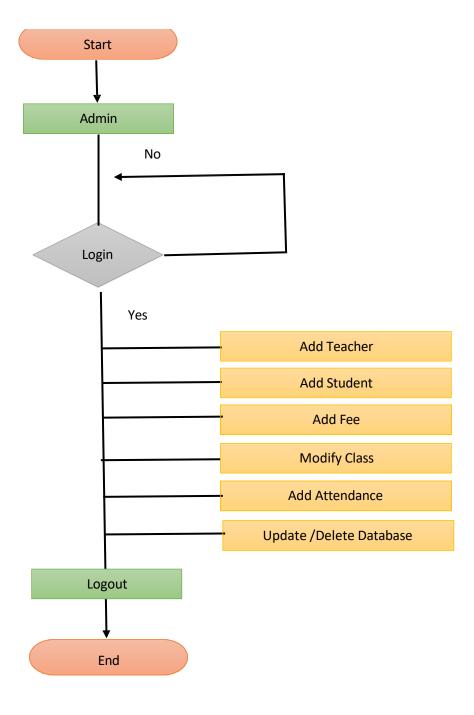


The DFD for the admin side delineates the specific functions of the administrator, who is a key figure responsible for overseeing the project. Upon logging into the system, the admin initiates by adding course details and teacher information. Subsequently, the admin proceeds to include student details categorized by course. Additionally, the admin has the capability to manage student reports and keep track of fee payment details.

Regarding the **Entity Relationship Diagram** (ERD) for School Management, it serves as a model illustrating the entities within the School Management System. The ERD visually represents the database tables and the relationships among entities such as admin, students, teachers, admission, attendance, and more. This diagram utilizes structured data to define relationships, providing a comprehensive view of the interconnected functionalities within the School Management System. The primary entities in the system encompass admin, students, admission, classes, teachers, and others.



The **Flow Chart** designed for the Student Information System serves as a visual depiction of sequential processes within the system. This diagram illustrates the relationships and connections among the major components or steps of the system in a graphical format. It provides a systematic representation of how each major part or step is interlinked in a sequential order. It's important to note that a Flow Chart diagram focuses on presenting the major components and steps, and it may not include details about minor parts of the system.



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Chapter 9

Modules And Description

Login Page: The login page serves as the gateway for Admin and School Management to enter the system by providing their respective username and password. Once successfully logged in, the administrator gains access to and control over all menu options, including admissions, attendance, examinations, staff, library, fee, accounts, and reports. This comprehensive access ensures that the admin can efficiently navigate and manage various aspects of the system.

Teacher Management Module: Within this module, the administrator has the ability to access and manipulate all information pertaining to teachers. Functions include adding new teachers, modifying existing teacher details, and deleting records for teachers who are no longer part of the system.

Class Module: This module allows the administrator to modify class timetables and manage various class details efficiently.

Student Management Module: Admin has comprehensive access to student information through this module. The functionalities include viewing, updating, and deleting student data. This accessibility ensures that teachers and school administration can easily retrieve and update student details and academic records, aiding in effective student support and academic excellence.

Admission Module: In this specific module, the administrator handles the admission process. It involves both admitting students and generating comprehensive details related to admissions. The implementation of this module streamlines the application-to-enrollment journey, making it a smooth, paperless, and time-saving process for both applicants and admission teams.

Payment Module: Within this module, the administrator has the capability to collect fees and record the transaction data in the payment table of the database. The fee collection process is streamlined, ensuring efficiency and a quick turnaround.

Attendance Module: This module facilitates the daily recording of attendance, enabling the analysis of attendance reports for both teachers and students. The functionality extends to efficiently manage class attendance through a quick and easy entry process, enhancing the overall effectiveness of attendance tracking.

Chapter 10 Input/Output Modules of Project

Every software system comprises essential input and output modules that play a pivotal role in facilitating the retrieval and processing of relevant data, contributing to the system's efficiency. The input and output modules collectively serve as the backbone of our proposed system, making tasks more manageable.

Input Module:

- 1. **Login:** Enables user authentication and access to the system.
- 2. **Admission:** Involves inputting information related to student admissions.
- 3. **Fee Submission:** Records data regarding fee transactions and submissions.
- 4. **Attendance Form:** Captures data pertaining to daily attendance.
- 5. **Search Box:** Provides a tool for searching and retrieving specific information.
- 6. Class Addition: Involves the addition of new classes to the system.

Output Module:

- 1. **Admin Details:** This output module provides detailed information about the administrator, ensuring transparency and accessibility to relevant administrative data.
- Student Details: Presents detailed information about students.
- 3. Fee Submission Details: Provides output related to fee transaction records.
- 4. **Attendance Report:** Generates a report on attendance data.
- 5. **Teacher Details:** Outputs information related to teachers within the system.

Chapter 11 Process Logic

The operational logic of the system is straightforward, as it functions as a desktop-based application with a centralized structure. The key role in the system is played by the administrator, who possesses comprehensive modification rights.

The process begins with the administrator accessing the login page. Upon reaching the login page, the admin inputs their designated username and password. If the entered credentials match those stored in the database, the admin gains access to the system. Upon a successful login, the administrator is presented with a user interface encompassing all modules.

Within the system, the admin is empowered to add, modify, delete, and view information pertaining to teachers, students, classes, timetables, admissions, payments, and attendance. This comprehensive set of functions allows the administrator to effectively manage and oversee various aspects of the system.

Once the required tasks are accomplished, the admin has the option to log out, thereby concluding their session within the system. In essence, the system is designed to facilitate the admin's control and manipulation of information related to teachers, students, and various administrative aspects through a secure and user-friendly interface.

Chapter 12 Data Dictionary

A **Data Dictionary** functions as a comprehensive compilation that includes names, definitions, and attributes of data elements employed or recorded within a database, information system, or research project. It clarifies the meanings and purposes of these data elements within the project's context, providing insights into their interpretation, acknowledged meanings, and representations. Moreover, a Data Dictionary includes metadata associated with data elements, assisting in defining their scope, characteristics, and the rules that govern their usage and application within the specified context. It serves as a thorough reference guide, contributing to improved comprehension and standardization of data elements in an organized manner.

AdminMst

Field Name	Data Type	Size	Constraint	Description
Id	Int	10	Primary key	User id for table record
Username	Varchar	50	Not null	Unique username
Password	Varchar	30	Not Null	Unique Password

StudentMst

Field Name	Data Type	Size	Constraint	Description
SID	Int	20	Primary key	It is unique id for student
S_Name	Varchar	40	Not Null	It is a student name
Parents Name	Varchar	40	Not Null	It is student parent name
ClassId	Int	10	Foreign Key	It is showing class detail
Address	Varchar	40	Not Null	It is showing address

TeacherMst

Field Name	Data Type	Size	Constraint	Description
TID	Int	10	Primary Key	It is showing teacher unique id
Name	Varchar	40	Not null	It is showing teacher name
Phone	Int	20	Unique	It is phone number
Email	Varchar	60	Unique	It is email id
Address	Varchar	60	Not Null	It is address

AttendanceMst

Field Name	Data Type	Size	Constraint	Description
SID	Int	20	Foreign key	It is student roll number
Date	Date	20	Not null	It is showing attendance date
Attendance status	Varchar	30	Not null	It is showing attendance status

PaymentMst

Field Name	Data Type	Size	Constraint	Description
PaymentId	Int	20	Primary key	It is unique id for payment
SID	Int	20	Foreign Key	It is student id
Payment month	Varchar	40	Not null	It is showing payment month
Date	Date	20	Not null	It is showing payment date

ClassMst

Field Name	Data	Size	Constraint	Description
	Type			
CID	Int	20	Primary key	It is class name
Class Teacher	Varchar	40	Not null	It is showing class teacher name

Chapter 12 Are you doing this project for any client?

This project is specifically designed for educational purposes and is dedicated to the enhancement of my primary school. The primary goal is to create a computerized management system customized to the unique needs of my school. Upon the successful

completion of the project, the intention is to integrate this envisioned system into the existing school infrastructure, thereby fulfilling a cherished long-term aspiration.

Chapter 14 Limitation of project

- **Desktop Application:** This project is entirely designed as a desktop-based application, meaning it operates offline and does not have an online counterpart.
- Centralized System: The system is centralized, implying that all functions and control are consolidated at a central point.
- Exclusive Administrative Use: Access to the system is restricted to administrative personnel only, with no provision for use by teachers or students.
- Offline System: As an offline system, it operates independently of the internet, ensuring that access and functionality are not reliant on an online connection.

Chapter 15 Future Scope of project

Looking ahead, our project is slated for continuous improvement with several system updates in the pipeline:

- 1. **Online Transition:** We plan to transition the project into an online school system, expanding its accessibility and reach.
- 2. **Student Result Module:** A forthcoming feature will include the integration of a module dedicated to generating student results, enhancing the system's functionality.
- 3. **Online Class Functionality:** Over time, an additional module will be introduced to facilitate online class conduct within the existing system. This allows teachers to efficiently conduct online classes through the platform.
- 4. **Multi-User System:** Our team is committed to developing a multi-user login system, enabling individualized accounts for teachers and students. This enhances user management and personalization within the system.
- 5. **Library Module:** An upcoming addition involves the incorporation of a library module into the existing system. This module will be managed by a designated librarian, who will oversee all aspects related to the library's information and resources.

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