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**PROJECT PROFILE**

**Project Name -:** Collage Management System

**Developed By -:** Bhavdip Vaghasiya & Kishan Paghdal

**Class -:** BCA sem-5

**Year -:** 2021-22

**Front End -:** Java(Swing)

**Back End -:** MySql

**Project Evaluator -:** Mr Sandip Upadhyay

**Guide By**  -: Mr Sandip Upadhyay

**Project Submitted To** -: SSSDIIT-Junagadh

# INTRODUCTION

COLLAGEMANAGEMENTSYSTEM(UMS)isaflagshipproductofEasySolutionwhich covers all aspects of Universities, Colleges or Schools. UMS covers every minuteaspects of a universities work flow and integrates all processes with user friendly interface.WithhundredsofsatisfiedcustomersUMSisfirstchoiceofseveralstate,governments/semi-governmentuniversitiesandinstitutions.UMSisanoutcomeofhardworkdonebyourexperttechnical team in supervision of several renowned educationists which includes Controller ofexamination, faculties. UMS is a rare combination of experience and precision. UMSstreamline pathof information flowin organization bytakingcareof followingdepartments:

* + - FeeDepartment
    - ExaminationDepartment
    - Attendance
    - Facultyinformation portal
    - Studentinformationportal

**SYSTEM ANALYSIS**

* It is a process of collecting and interpreting facts, identifying the problems, and decomposition of a system into its components.
* System analysis is conducted for the purpose of studying a system or its parts in order to identify its objectives.
* It is a problem solving technique that improves the system and ensures that all the components of the system work efficiently to accomplish their purpose.
* Analysis specifies **what the system should do**.

**IDENTIFICATION OF NEED**

The daily activities pointing to smooth running of a Service Centre involves recording of` large volume of data in record books. The management of staff, their duty allocation, their regular and overtime schedule maintenance, attendance and payroll need to be managed properly. In addition, timely preparations of several reports are required. All these require managing services quickly and efficiently.

* **Preliminary Investigation**

The preliminary investigation was carried out to determine the feasibility of the system. The methods employed are:

***Reviewing Organization Document***

The existing documents were reviewed, and minutely analyzed. They included-

* Register (In which all records are being kept)
* Details of attendance sheets, duty allocation, types of services provided and their specifications are reviewed.
* Old spreadsheets and word documents containing the working methods.

The method of keeping records and its functionality are reviewed and changes were suggested for improvement. The management gladly express apprehension about the changes.

***Conducting Interviews***

Several interviews were conducted at various levels. The two prime interviewees were the management personnel and the computer operators. It made further clear the working of the system and the changes desired by them. Several suggestions were also made, some of which were accepted by the management.

***Feasibility Study***

*Technical Feasibility*

The current system has Personal Computers. All the works are done on Word Processor and spreadsheets. The company already possesses the required software.

In the current working system, it requires time to produce the reports. The response time is high for processing queries.

## HardwareRequirements:

|  |  |
| --- | --- |
| ProcessorBrand | :Intel |
| ProcessorType | : Corei3 |
| ProcessorSpeed | :2 GHz |
| ProcessorCount | : 1 |
| RAM Size | :2 GB |
| MemoryTechnology | :DDR3 |
| ComputerMemoryType | :DDR3 SDRAM |
| HardDriveSize | :160 GB |

* 1. **SoftwareRequirements:**

Operatingsystem : Windows 10

Applicationserver :JAVA(NetBeans)

Frontend :JAVA

Connectivity :JDBCDriver

Database connectivity :WAMP(MYSQLConsole)

*Economical Feasibility*

The company already possesses the required hardware and software. There is no investment in hardware and software.

The benefits of installing the application lie in the speedy processing of data, faster retrieval of information and increasing volume of data, and all these with greater accuracy and consistency.

To sum up, the benefits are great and cost is minimal. Therefore, the project is economically feasible.

*Operational Feasibility*

The system is expected to work smoothly when developed and installed. There has been participation of management and the computer operators in planning and development of the system. There will be a slight change in the format of the reports to which management agreed. There is no disturbance in organizational structure of the company. The new application for the system will have Graphical User Interfaces (GUI). The applications with GUI are very easy to handle and operate. The company has to train their staff members which can easily done in one or two days. They need to be instructed regarding using of the application software.

**COST ESTIMATION**

During project planning,project manager usally estimate the following parameter like,project size,effort,cost,project duration.

There are many methods available to get the size of the project. the. Those methods are LOC (Line of Code) and FP (Function Point),COCOMO (Constructive CostModel).

We are gone through cocomo method to get approximate cost of the website project.here all the calculation done to get the approximate cost if this website project.

Working time estimation is as given,

2 Months 15 days

2hr 1 day = 150 hours

* Now, the expenses & cost estimation are given below:

Computer rent = 2500/-

+ Light Bill =1500/-

+ Database design & creation = 2000/-

+ Coding & Validation = 3000/-

+Internet Connection =1500/-

+Extra exp. =2000/-

**Total** **= 12500/-**

Thus the approximation cost of this Web Site Project will be about 12500/- Rs.

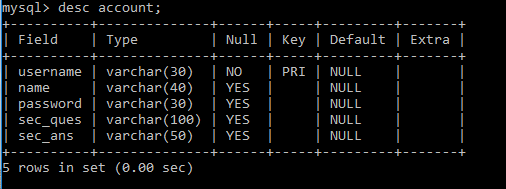
**PROJECT ANALYSIS**

## T5.1Database Dictionary

### ACCOUNTTABLE

**AccountTable**:Accounttableconsistsof five attributeswhichareUsername,Name,Password,Sec\_ques, Sec\_ans.Username is usedasPrimarykey.

Descaccount;

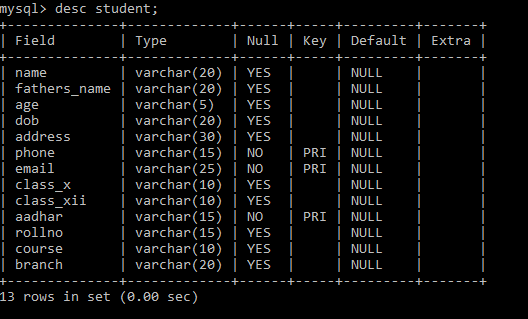


### Fig5.1Accounttabledescription

**STUDENTTABLE**

**Studenttable:**StudenttableisusedtoaddthedetailsofnewstudentlikeName,phoneno.,DoB,course,Branch etc...Phoneno. ,E-mail and Aadhar are used as Primarykey.

Descstudent;

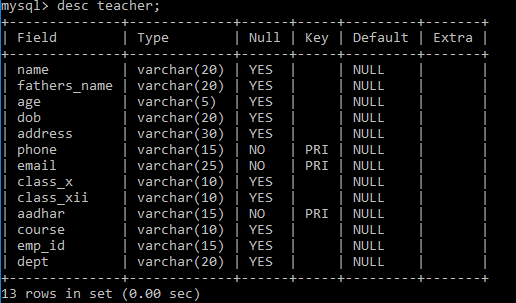


### Fig5.2Studenttabledescription.

**TEACHERTABLE**

**Teachertable:**TeachertableisusedtoaddthedetailsofnewstudentlikeName,phoneno.,DoB,course,Branchetc...Phoneno. ,E-mailand Aadharareused asPrimarykey.

Descteacher;

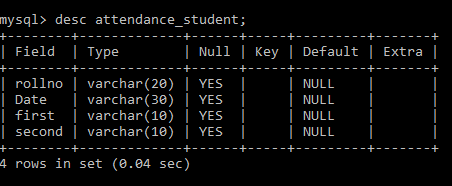


### Fig5.3Teachertabledescription

**ATTENDANCE\_STUDENTTABLE**

**Attendance\_Student Table:**Attendance\_Studenttableisusedtomarktheattendanceofthestudentdayto daywhichas attributes likerollno,name,first and second half.

Descattendance\_student;

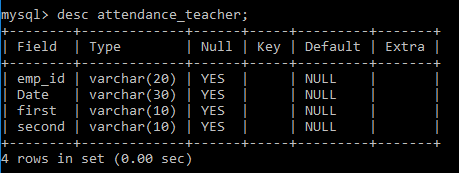


### Fig5.4Attendance\_Studenttabledescription.

**ATTENDANCE\_TEACHERTABLE**

**Attendance\_Teachertable:**Attendance\_Teachertableisusedtomarktheattendanceoftheteacherdayto daywhichas attributes likeemp\_id,name,firstand secondhalf.

Descattendance\_teacher;

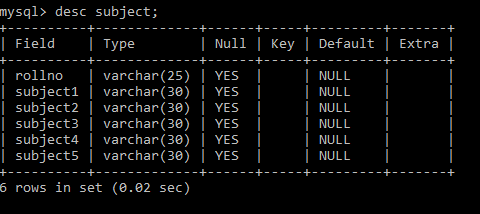


### Fig5.5Attendance\_Teachertabledescription.

**SUBJECTTABLE**

**Subjecttable:**Subjecttableisusedtoaddthesubjectsofthestudentinthatparticularsemwiththeattributes likerollno and fivesubjects.

DescSubject;

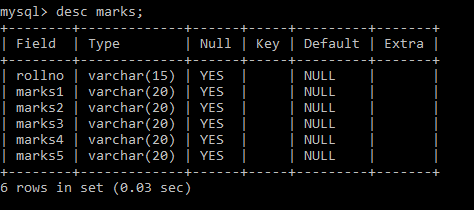


### Fig5.6Subjecttable description.

**MARKSTABLE**

**Markstable :**Markstable isusedtoaddthemarksof theparticularsubjectsofthe student inaparticular sem and theattributesused arerollno and fivesubjectmarks.

DescMarks;

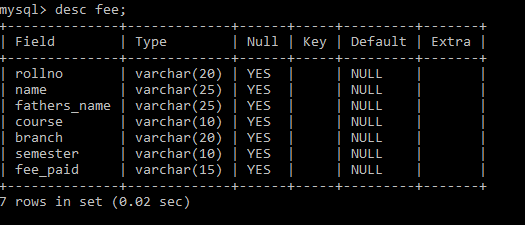


### Fig5.7Markstabledescription.

**FEETABLE**

**Feetable:**feetableisusedtopaythefeeduesofthestudentforthatparticularsemandtheattributesused likerollno, name, fathersname, course, branch,sem andfee\_paid.

DescFee;



**Fig5.8Feetabledescription.**

**DFD (DATA FLOW DIAGRAM)**

1. **0-Level**

**Users**

**admin**

****

1. **1-Level**

Exit

Attendance

Fee

Library

Aboutus

Result

Utility

Login

Manu

**Teacher**

Exit

Library

Aboutus

Facility

Utility

Login

**Admin**

Salary

&

Fee

Teacher /Student attendane

Teacher /Student login

1. **2-Level**

Exit

Attendance

Fee

Library

Aboutus

Result

Update

Login

Manu

**Teacher**

Exit

Library

Aboutus

Facility

Update

Login

**Admin**

Salary

&

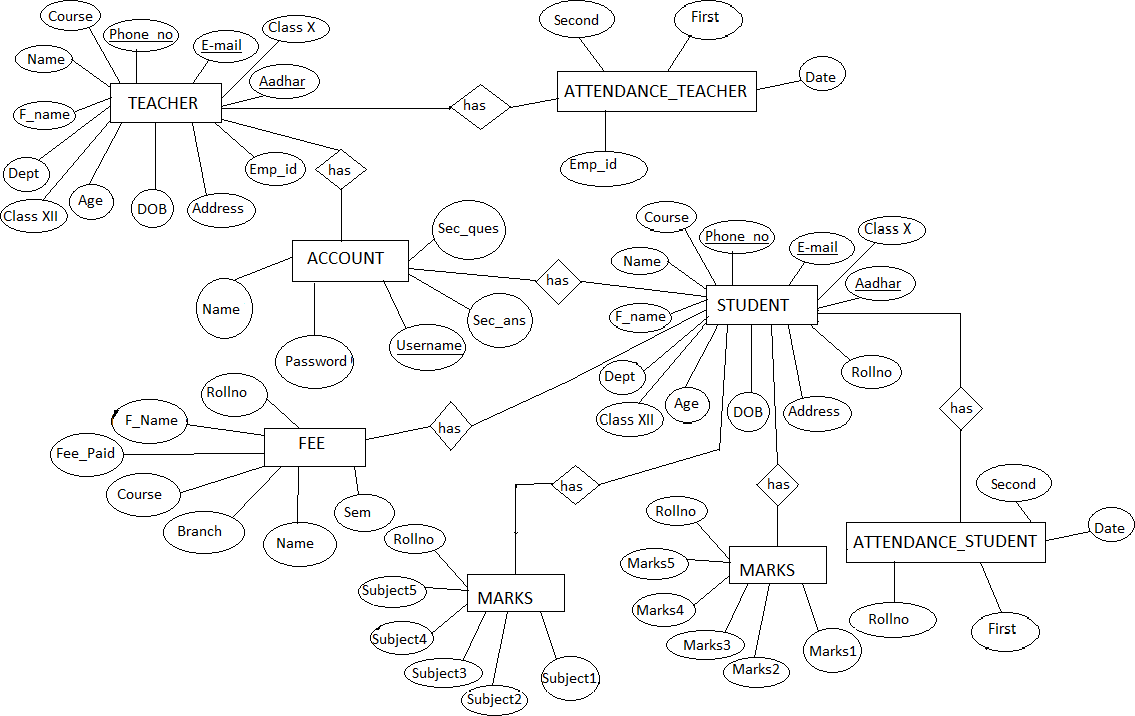
Fee

Teacher /Student attendane

Teacher /Student login

## E-RDIAGRAM:

**ER Diagram:** ER Diagram is a high-level conceptual data model diagram. Entity-Relationmodel is based on the notion of real-world entities and the relationship between them. ERmodelling helps you to analyse data requirements systematically to produce a well-designeddatabase.



**Figure4.1: ERDiagramforSmartphoneManagementArena**

**S/W Engineering Paradigm applied**

Software paradigm refers to method and steps, which are taken while designing the software programming paradigm is a subset of software design paradigm which is future for other a subset of software development paradigm. Software is considered to be a collection of executable programming code, associated libraries, and documentation. Software development paradigm is also known as software engineering, all the engineering concepts pertaining to developments software applied. It consists of the following parts as Requirement Gathering, Software design, Programming, etc. The software design paradigm is a part of software development. It includes design, maintenance, programming.

The following illustration is a representation of the different phases of the Waterfall Model.



The sequential phases in Waterfall model are −

* **Requirement Gathering and analysis** − All possible requirements of the system to be developed are captured in this phase and documented in a requirement specification document.
* **System Design** − The requirement specifications from first phase are studied in this phase and the system design is prepared. This system design helps in specifying hardware and system requirements and helps in defining the overall system architecture.
* **Implementation** − With inputs from the system design, the system is first developed in small programs called units, which are integrated in the next phase. Each unit is developed and tested for its functionality, which is referred to as Unit Testing.
* **Integration and Testing** − All the units developed in the implementation phase are integrated into a system after testing of each unit. Post integration the entire system is tested for any faults and failures.
* **Deployment of system** − Once the functional and non-functional testing is done; the product is deployed in the customer environment or released into the market.
* **Maintenance** − There are some issues which come up in the client environment. To fix those issues, patches are released. Also to enhance the product some better versions are released. Maintenance is done to deliver these changes in the customer environment.

## H/W REQUIREMENT SPECIFICATION

## 10 GB hard disk

## 500 MB RAM

## Monitor

## CPU

## Mouse

## S /W REQUIREMENT SPECIFICATION

## Any Operating System

## MySql

## Any Editor

**PERT Chart:**

The meaning of PERT is Project Estimation and Review Techniques. PERT chart is a combination of various Arrows and Boxes indicating information.

There are various signs that describe their own meanings.

The box indicates various activities. So, when the boxes we see in the project we can decide that how the work is done into the various processes.

The arrow indicates the task dependencies on various processes.

Arrows describes various task and in also shows that which task is dependent upon which task.

PERT chart is very useful to show the project statistically. PERT chart is also very useful in the project assuming. It also monitoring on the activities by the time

. It takes the care of the process by timing.

**Code**

Documentation

**Design**

**GUI**

**Code Gui**

**Integrate&Test**

**Finish**

**Specification**

**GANTT Chart:**

GANTT chart is a part of PERT chart and we can get many things of the Gantt chart via the PERT chart. GANTT chart describes very time scheduling & resource planning. When the more than one activity is done parallel this chart is very useful to understand the each process.

GANTT chart is a special type of bar-chart that describes that each bar describes a process or an activity. The length of the bar describes the time-allocated for the activity.

In Gantt chart each bar consists of two parts white part and shaded part. The shaded part indicates the length of time estimated for the process. The white part describes the slack part of the process. The white part also describes the time by that the process must be completed.

Gantt charts used in software project management are actually an enhanced version of the software project management. Each bar consists of a white part and a shaded part. The white part of the bar shows the length of time each task is estimated to take. The shaded part of the bar shows the slack time.

In order to estimate the time durations for various activities, usually managers let the engineers themselves estimate the time for an activity they might be assigned to. However, some managers prefer to estimate the time for various activities themselves. Many managers believe that an aggressive schedule motivates the engineers to do a job better and faster.

However, careful aspects, but also cause schedule compromise on intangible quality aspects, but also cause schedule delays. A good way to achieve accuracy without creating problems is to let people set their own schedules.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| July-10 | July-15 | July-30 | Au-8 | Aug-28 | Sep-10 |
| **Start**  Requirement specification  Documentation | DesignDatabase | GUI  Design  Code GuI  DataBase | Integration testing |  | fINISH |

We can see that one engineer can do the database design and then code the database design whereas another engineer and design the GUI part, code the GUI part, and still have time left for writing the user manual. Thus, Gantt charts are very

Useful in scheduling resources. So here, I have to follow the scheduling steps for my project. Gantt chart is really useful us for planning software application resources.

## Validation Checks

## TestCases:

**Table1.9Testcases**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test No.** | **TestName** | **input** | **Actualoutput** | **Expectedoutput** | **Status** |
| 1 | Login | Usernameandpassword | Useris  successfullyAuthenticated | Useris  successfullyAuthenticated | Pass |
| 2 | Login | Wrongusernameand  password | Invalidusernameor  password | Invalidusernameor  password | Pass |
| 3 | Signup | Userdetailsand  passsword | Accountsuccessfully  created | Accountsuccessfully  created | Pass |
| 4 | Student | Detailsofthe  studentrequired. | Student  insertedsuccessfully | Student  insertedsuccessfully | Pass |
| 5 | Teacher | Detailsofthe  teacherrequired | Teacher  insertedsuccessfully | Teacher  insertedsuccessfully | Pass |
| 6 | Subject | Enter thesubjectnamesand marksalongwith  rollno | Subjectsenteredsuccessfully | Subjectsenteredsuccessfully | Pass |
| 7 | Fee | Detailsandfee\_paid | Paidsuccessfully | Paidsuccessfully | Pass |
| 8 | RemoveStudent | Enter rollnoandclickon  remove | Removedsuccessfully | Removedsuccessfully | Pass |
| 9 | RemoveTeacher | Enteremp\_idandclickon  remove | Teacherremoved  successfully | Teacherremoved  successfully | Pass |
| 10 | Exit | ClickonExit | Logoutsuccessfully | Logoutsuccessfully | Pass |

**Testing**

**Testing Plan:**

Testing is that step to software engineering process that could be viewed destructive rather than constructive.

In a software development project, errors can be injected at any stage during the development. Also some requirements errors and design errors can remain undetected. Ultimately, these errors will be reflected in the code.

Since the code is frequently the only product that can be executed and whose actual behavior can be observed, testing is the phase where the errors remaining form earlier phases also must be detected. Hence, testing performs a very critical role for quality assurance and for ensuring the reliability of the software.

Testing begins at the component level and works ―outward‖ toward the integration of the entire computer-based system. Different testing techniques are

**Testing Methods:**

* Testing is a process of finding the error when the program execute.
* Testing needs high probability for finding the errors.
* A successful testing is to be get from undiscovered errors.

**White Box Testing:**

In this system the testing is to search the undiscovered errors. White Box Testing is a test case design method that uses the control structure of the procedural design to derive test cases. Using white box testing methods, the software developer can derive test cases.

* Guarantee all paths will redirects the another page as the Individual working place.
* Log in page is directed as the User name and Password both are same than go in next page otherwise display the Error. And Put again user name and password.

**Black Box Testing**

Black box testing methods focus on the functional requirements of the software. That is, black box testing enables the software engineer to derive sets of input conditions that will fully exercise all functional requirements for a program.

* Incorrect Information fills in the Project entry, Module entry and Functionality entry Form so generate errors Massage
* In this system when the database structure is different from insert value than give the Error.

**Implementation**

Implementation refers to the entire effort associated with a new system. The implementation of a web application involves longer term issues after the system has been designed and installed.

Implementation is a part of the design of a web application, and is an organizational change process. It is a part of the process that begins with the very first idea for a web application has been successfully integrated with the operations of the organization.

We expect most of the implementation to be concerned with behavioral phenomena since people are expected to change their information processing activities.

The implementation is processed from review and reports from developer cover the following areas:

* Good working conditions…
* Useful for gathering information…
* Changing in the pages at a time…
* Update application easily…
* Attractive layouts…
* Working for as per requirements…

**TESTING**

System testing is the stage of implementation, which is aimed at ensuring that thesystem works accurately and efficiently before live operation commences. Testing is theprocess of executing the program with the intent of finding errors and missing operations andalsoacompleteverificationtodeterminewhethertheobjectivesaremetandtheuserrequirementsaresatisfied. Theultimate aim isqualityassurance.

## UnitTesting

The software units in a system are modules and routines that are assembled andintegrated to perform a specific function. Unit testing focuses first on modules, independentlyof one another, to locate errors. This enables, to detect errors in coding and logic that arecontainedwithineachmodule.Thistestingincludesenteringdataandascertainingifthevaluematches to the type and size supported by java. The various controls are tested to ensure thateachperforms its actionas required.

## IntegrationTesting

Datacanbelostacrossanyinterface,onemodulecanhaveanadverseeffectonanother,subfunctionswhencombined,maynotproducethedesiredmajorfunctions.Integrationtestingisasystematictestingtodiscovererrorsassociatedwithintheinterface.Theobjectiveistotakeunittestedmodulesandbuildaprogramstructure.Allthemodulesarecombinedandtestedasa whole. Here the Server module and Client module options are integrated and tested. Thistestingprovidestheassurancethattheapplicationiswellintegratedfunctionalunitwithsmoothtransitionof data.

## UserAcceptance

Testing User acceptance of a system is the key factor for the success of any system.The system under consideration is tested for user acceptance by constantly keeping in touchwiththesystem usersat timeofdevelopingandmakingchangeswheneverrequired.

## TestCases:

**Table1.9Testcases**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test No.** | **TestName** | **input** | **Actualoutput** | **Expectedoutput** | **Status** |
| 1 | Login | Usernameandpassword | Useris  successfullyAuthenticated | Useris  successfullyAuthenticated | Pass |
| 2 | Login | Wrongusernameand  password | Invalidusernameor  password | Invalidusernameor  password | Pass |
| 3 | Signup | Userdetailsand  passsword | Accountsuccessfully  created | Accountsuccessfully  created | Pass |
| 4 | Student | Detailsofthe  studentrequired. | Student  insertedsuccessfully | Student  insertedsuccessfully | Pass |
| 5 | Teacher | Detailsofthe  teacherrequired | Teacher  insertedsuccessfully | Teacher  insertedsuccessfully | Pass |
| 6 | Subject | Enter thesubjectnamesand marksalongwith  rollno | Subjectsenteredsuccessfully | Subjectsenteredsuccessfully | Pass |
| 7 | Fee | Detailsandfee\_paid | Paidsuccessfully | Paidsuccessfully | Pass |
| 8 | RemoveStudent | Enter rollnoandclickon  remove | Removedsuccessfully | Removedsuccessfully | Pass |
| 9 | RemoveTeacher | Enteremp\_idandclickon  remove | Teacherremoved  successfully | Teacherremoved  successfully | Pass |
| 10 | Exit | ClickonExit | Logoutsuccessfully | Logoutsuccessfully | Pass |

# LIMITATION

Theprojectentitledas**InstitutionManagementSystem**isthesystemthatdealswiththeissues related to a particularinstitution.

Thisprojectissuccessfullyimplementedwithallthefeaturesmentionedinsystemrequirementsspecification.

Theapplicationprovidesappropriateinformationtousersaccordingtothechosenservice.

Theprojectis designed keepingin view thedaytodayproblems faced byacollege.

Deployment of our application will certainly help the college to reduce unnecessarywastageof timein personallygoingto each department forsomeinformation.

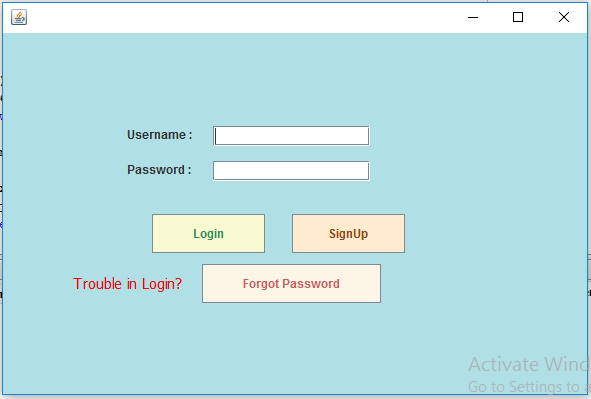
Awarenessandrightinformationaboutanycollegeisessentialforboththedevelopment of student as well as faculty. So this serves the right purpose in achieving thedesiredrequirements of both thecommunities

**Future Scope**

* I can develop UI better then now.
* It can also possible to devlop wishlist where user can save their products to bus later.
* There will also possible to track order.
* It can also possible to develop to product android app for this website

**All Screen Layout & Coding**

1. **Login form:** This page represents the first thing about our website. It leads on to the loginpointforits personnel; it takes uptheusername,password and signup.



### Figure9.1: Loginform

### 

**package collage\_management;**

**import java.awt.\*;**

**import javax.swing.\*;**

**import java.awt.event.\*;**

**import java.sql.\*;**

**public class Login extends JFrame implements ActionListener {**

**JLabel l1,l2,l3,l4,l5;**

**JTextField t1;**

**JPasswordField t2;**

**JButton b1,b2;**

**JCheckBox b3;**

**JComboBox c1;**

**// Container con;**

**Login(){**

**super ("Login");**

**setBackground(Color.CYAN);**

**//con=getContentPane();**

**setLayout(null);**

**l5= new JLabel("LOGIN");**

**l5.setBounds(170,5,130,40);**

**l5.setForeground(Color.cyan);**

**l5.setFont(new Font("serif" ,Font.BOLD,20));**

**add(l5);**

**l1=new JLabel("Username");**

**l1.setForeground(Color.cyan);**

**l1.setFont(new Font("serif" ,Font.BOLD,20));**

**l1.setBounds(60,50,100,30);**

**add(l1);**

**t1=new JTextField(10);**

**t1.setBorder(null);**

**t1.setBounds(170,50,150,25);**

**add(t1);**

**l2=new JLabel("Password");**

**l2.setForeground(Color.cyan);**

**l2.setFont(new Font("serif" ,Font.BOLD,20));**

**l2.setBounds(60,100,100,30);**

**add(l2);**

**t2=new JPasswordField(10);**

**t2.setBorder(null);**

**t2.setBounds(170,100,150,25);**

**t2.setEchoChar('\*');**

**add(t2);**

**b3= new JCheckBox();**

**b3.setBounds(330,100,18,18);**

**b3.addActionListener(this);**

**add(b3);**

**l3=new JLabel("show");**

**l3.setForeground(Color.cyan);**

**l3.setBounds(360,100,120,20);**

**add(l3);**

**l4=new JLabel("Designation");**

**l4.setForeground(Color.cyan);**

**l4.setFont(new Font("serif" ,Font.BOLD,20));**

**l4.setBounds(60,150,100,30);**

**add(l4);**

**String s11[]={"Admin","Teacher","Student"};**

**c1=new JComboBox(s11);**

**c1.setBounds(170,150,150,25);**

**c1.setBorder(null);**

**c1.setBackground(Color.cyan);**

**add(c1);**

**b1=new JButton("Login");**

**b1.setBorderPainted(false);**

**b1.setBounds(65, 200, 120, 30);**

**b1.setFont(new Font("serif",Font.BOLD,15));**

**b1.addActionListener(this);**

**add(b1);**

**b2=new JButton("Cancel");**

**b2.setBorderPainted(false);**

**b2.setFont(new Font("serif",Font.BOLD,15));**

**b2.addActionListener(this);**

**b2.setBounds(205,200,120,30);**

**add(b2);**

**ImageIcon c1 = new ImageIcon("C:\\Users\\kishan\\Documents\\NetBeansProjects\\collage\_management\\src\\collage\_management\\icon\\login.jpg");**

**Image i1=c1.getImage().getScaledInstance(600, 300,Image.SCALE\_DEFAULT);**

**ImageIcon i2=new ImageIcon(i1);**

**JLabel m1=new JLabel("",i2,JLabel.LEFT);**

**m1.setBounds(0,0,500,300);**

**add(m1);**

**setVisible(true);**

**setSize(430,330);**

**Dimension dn =Toolkit.getDefaultToolkit().getScreenSize();**

**int xx1=dn.width/2-this.getWidth()/2;**

**int yy1=dn.height/2-this.getHeight()/2;**

**setLocation(xx1,yy1);**

**}**

**public void actionPerformed(ActionEvent ae){**

**if(ae.getSource()==b3)**

**{**

**if(l3.getText()=="show")**

**{**

**t2.setEchoChar((char)0);**

**l3.setText("hide");**

**}**

**else**

**{**

**t2.setEchoChar('\*');**

**l3.setText("show");**

**}**

**}**

**if(ae.getSource()==b1){**

**try{**

**conn con=new conn();**

**String u=t1.getText();**

**String v=t2.getText();**

**String l=(String)c1.getSelectedItem();**

**if(l.equals("Admin")){**

**String q="select \* from Login where Username='"+u+"' and Password='"+v+"'";**

**ResultSet rs=con.s.executeQuery(q);**

**if(rs.next()){**

**new Project().setVisible(true);**

**setVisible(false);**

**}**

**}**

**else if(l.equals("Teacher")){**

**String q2="select \* from T\_Log where username='"+u+"' and password='"+v+"'";**

**ResultSet rs2=con.s.executeQuery(q2);**

**if(rs2.next()){**

**new Teacher\_Login().setVisible(true);**

**setVisible(false);**

**}}**

**else if(l.equals("Student")){**

**String q1="select \* from S\_Log where username="+u+"' and password='"+v+"'";**

**ResultSet rs=con.s.executeQuery(q1);**

**if(rs.next()){**

**new Student\_Login().setVisible(true);**

**setVisible(false);**

**}}**

**else{**

**JOptionPane.showMessageDialog(null,"Invalide Password");**

**/\*JOptionPane.showConfirmDialog(null,"hello");**

**JOptionPane.showInputDialog(null,"kay nay");**

**String [] options={"abc","def","ghk"};**

**int x = JOptionPane.showOptionDialog(null, "Returns the position of your choice on the array",**

**"Click a button",**

**JOptionPane.DEFAULT\_OPTION, JOptionPane.INFORMATION\_MESSAGE, null, options, options[0]);**

**System.out.println(x);\*/**

**// setVisible(false);**

**}**

**}catch(Exception e){**

**System.out.println(e);**

**}**

**}**

**if(ae.getSource()==b2){**

**this.setVisible(false);**

**}**

**}**

**public static void main(String[] args) {**

**Login lp=new Login();**

**}**

**}**

1. **Splesh:** This page represents signing up to website. It leads to registering to websitemaking username and password, it takes the up username, name, password and securityquestion.Theseinformation aremandatory.



package collage\_management;

import java.awt.\*;

import javax.swing.\*;

class myframe extends JFrame implements Runnable{

myframe(String s){

super(s);

setLayout(null);

ImageIcon i2=new ImageIcon(getClass().getResource("/collage\_management/icon/img2.jpg"));

Image i1=i2.getImage().getScaledInstance(1400, 800,Image.SCALE\_DEFAULT);

ImageIcon i3=new ImageIcon(i1);

// ImageIcon i2=new ImageIcon(getClass().getResource("/collage\_management/icon/img7.jpg"));

JLabel m1=new JLabel("",i3,JLabel.LEFT);

m1.setBounds(0,0,1500,800);

add(m1);

Thread t1=new Thread(this);

t1.start();

}

public void run(){

try{

Thread.sleep(5000);

this.setVisible(false);

Login f1=new Login();

}catch(Exception e){

}

}

}

public class Splesh {

public static void main(String[] args) {

myframe f=new myframe("jay swaminarayan");

f.setVisible(true);

int i;

int x=1;

for(i=2;i<=650;i+=4,x+=1){

f.setLocation((390-((i+x)/2)),310-(i/2));

f.setSize(i+5\*x,i+x/3);

try{

Thread.sleep(10);

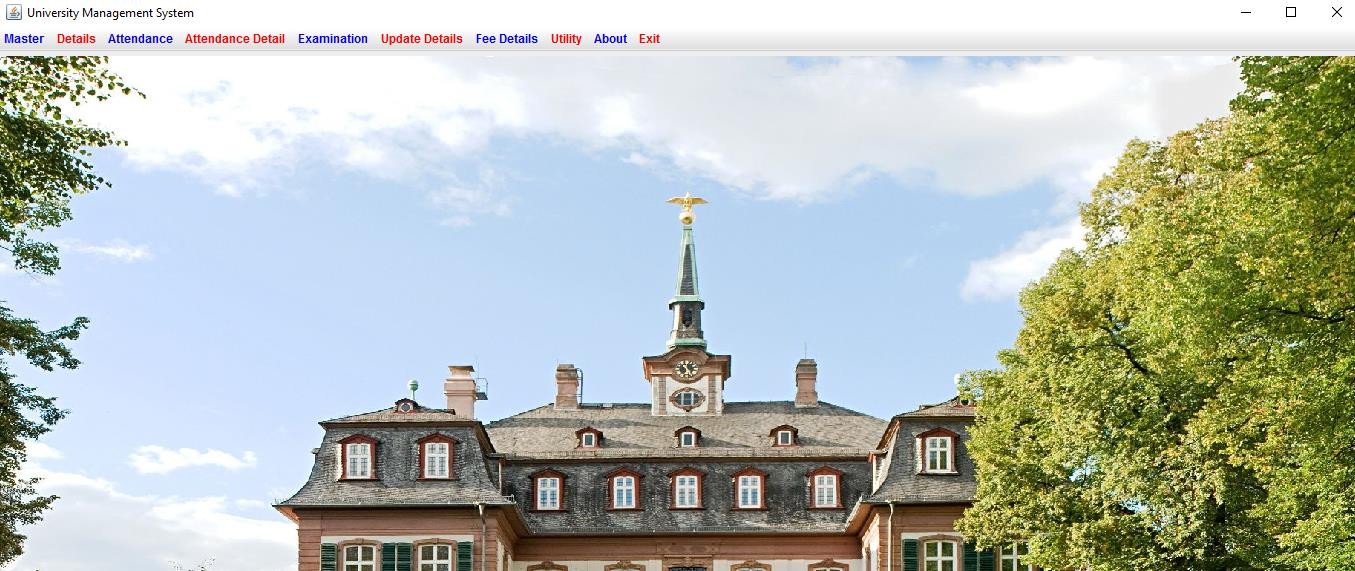
}catch(Exception e){ }

}

}

}

1. **Homepageuser:**Thispageshowsuswhatusercanseeandaccess.Hecanadd,remove,update and uploadthe data.Hecanlogoutfromthewebsitein homepage.



**package collage\_management;**

**import java.awt.\*;**

**import javax.swing.\*;**

**import java.awt.event.\*;**

**public class Project extends JFrame implements ActionListener {**

**Container con;**

**Project(){**

**super("Collage management System");**

**setLayout(new FlowLayout());**

**con=getContentPane();**

**Dimension dn =Toolkit.getDefaultToolkit().getScreenSize();**

**int xx1=dn.width+this.getWidth();**

**int yy1=dn.height+this.getHeight();**

**setSize(xx1,yy1);**

**ImageIcon i2=new ImageIcon(getClass().getResource("/collage\_management/icon/img2.jpg"));**

**Image i1=i2.getImage().getScaledInstance(1350, 700,Image.SCALE\_DEFAULT);**

**ImageIcon i3=new ImageIcon(i1);**

**JLabel m1=new JLabel("",i3,JLabel.LEFT);**

**m1.setBounds(0,0,1480,800);**

**add(m1);**

**JMenuBar mb=new JMenuBar();**

**JMenu master =new JMenu("Master");**

**JMenuItem m11=new JMenuItem("New Faculty");**

**JMenuItem m2=new JMenuItem("New Student");**

**JMenuItem m12=new JMenuItem("Teacher Login");**

**JMenuItem m22=new JMenuItem("Student Login");**

**master.setForeground(Color.BLUE);**

**m11.setFont(new Font("monospace",Font.BOLD,16));**

**m11.setMnemonic('A');**

**m11.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_A,ActionEvent.CTRL\_MASK));**

**m11.setBackground(Color.white);**

**master.add(m11);**

**m2.setFont(new Font("monospace",Font.BOLD,16));**

**m2.setMnemonic('B');**

**m2.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_B,ActionEvent.CTRL\_MASK));**

**m2.setBackground(Color.white);**

**master.add(m2);**

**m12.setFont(new Font("monospace",Font.BOLD,16));**

**m12.setBackground(Color.white);**

**master.add(m12);**

**m22.setFont(new Font("monospace",Font.BOLD,16));**

**m22.setBackground(Color.white);**

**master.add(m22);**

**m12.addActionListener(this);**

**m22.addActionListener(this);**

**m11.addActionListener(this);**

**m2.addActionListener(this);**

**JMenu user =new JMenu("Detail");**

**JMenuItem u1=new JMenuItem("Student Detail");**

**JMenuItem u2=new JMenuItem("Teacher Detail");**

**user.setForeground(Color.RED);**

**u1.setFont(new Font("monospace",Font.BOLD,16));**

**u1.setMnemonic('C');**

**u1.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_C,ActionEvent.CTRL\_MASK));**

**u1.setBackground(Color.white);**

**user.add(u1);**

**u2.setFont(new Font("monospace",Font.BOLD,16));**

**u2.setMnemonic('D');**

**u2.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_D,ActionEvent.CTRL\_MASK));**

**u2.setBackground(Color.white);**

**user.add(u2);**

**u1.addActionListener(this);**

**u2.addActionListener(this);**

**JMenu attendance =new JMenu("Attendance");**

**JMenuItem b1=new JMenuItem("Student Attendance");**

**JMenuItem b2=new JMenuItem("Teacher Attendance");**

**attendance.setForeground(Color.BLUE);**

**b1.setFont(new Font("monospace",Font.BOLD,16));**

**b1.setMnemonic('E');**

**b1.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_E,ActionEvent.CTRL\_MASK));**

**b1.setBackground(Color.white);**

**attendance.add(b1);**

**b2.setFont(new Font("monospace",Font.BOLD,16));**

**b2.setMnemonic('R');**

**b2.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_R,ActionEvent.CTRL\_MASK));**

**b2.setBackground(Color.white);**

**attendance.add(b2);**

**b1.addActionListener(this);**

**b2.addActionListener(this);**

**JMenu attendance\_detail=new JMenu("Attendance Detail");**

**JMenuItem a1=new JMenuItem("Student Attendance Detail");**

**JMenuItem a2=new JMenuItem("Teacher Attendance Detail");**

**attendance\_detail.setForeground(Color.RED);**

**a1.setFont(new Font("monospace",Font.BOLD,16));**

**a1.setMnemonic('F');**

**a1.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_F,ActionEvent.CTRL\_MASK));**

**a1.setBackground(Color.white);**

**attendance\_detail.add(a1);**

**a2.setFont(new Font("monospace",Font.BOLD,16));**

**a2.setMnemonic('G');**

**a2.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_G,ActionEvent.CTRL\_MASK));**

**a2.setBackground(Color.white);**

**attendance\_detail.add(a2);**

**a1.addActionListener(this);**

**a2.addActionListener(this);**

**JMenu exam =new JMenu("Examination");**

**JMenuItem c1=new JMenuItem("Examination Detail");**

**JMenuItem c2=new JMenuItem("Enter Mark");**

**exam.setForeground(Color.BLUE);**

**c1.setFont(new Font("monospace",Font.BOLD,16));**

**c1.setMnemonic('H');**

**c1.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_H,ActionEvent.CTRL\_MASK));**

**c1.setBackground(Color.white);**

**exam.add(c1);**

**c2.setFont(new Font("monospace",Font.BOLD,16));**

**c2.setMnemonic('I');**

**c2.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_I,ActionEvent.CTRL\_MASK));**

**c2.setBackground(Color.white);**

**exam.add(c2);**

**c1.addActionListener(this);**

**c2.addActionListener(this);**

**JMenu report =new JMenu("Update Detail");**

**JMenuItem r1=new JMenuItem("Update Student Detail");**

**JMenuItem r2=new JMenuItem("Update Teacher Detail");**

**report.setForeground(Color.RED);**

**r1.setFont(new Font("monospace",Font.BOLD,16));**

**r1.setMnemonic('J');**

**r1.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_J,ActionEvent.CTRL\_MASK));**

**r1.setBackground(Color.white);**

**report.add(r1);**

**r2.setFont(new Font("monospace",Font.BOLD,16));**

**r2.setMnemonic('K');**

**r2.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_K,ActionEvent.CTRL\_MASK));**

**r2.setBackground(Color.white);**

**report.add(r2);**

**r1.addActionListener(this);**

**r2.addActionListener(this);**

**JMenu fee =new JMenu("Payment Detail");**

**JMenuItem s1=new JMenuItem("Fee Structure");**

**JMenuItem s2=new JMenuItem("Student Fee Form");**

**JMenuItem s3=new JMenuItem("Teacher Salary");**

**fee.setForeground(Color.BLUE);**

**s1.setFont(new Font("monospace",Font.BOLD,16));**

**s1.setMnemonic('L');**

**s1.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_L,ActionEvent.CTRL\_MASK));**

**s1.setBackground(Color.white);**

**fee.add(s1);**

**s2.setFont(new Font("monospace",Font.BOLD,16));**

**s2.setMnemonic('M');**

**s2.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_M,ActionEvent.CTRL\_MASK));**

**s2.setBackground(Color.white);**

**fee.add(s2);**

**s3.setFont(new Font("monospace",Font.BOLD,16));**

**// s3.setMnemonic('Z');**

**// s3.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_Z,ActionEvent.CTRL\_MASK));**

**s3.setBackground(Color.white);**

**fee.add(s3);**

**s1.addActionListener(this);**

**s2.addActionListener(this);**

**s3.addActionListener(this);**

**JMenu utility=new JMenu("Utility");**

**JMenuItem k1=new JMenuItem("Notepad");**

**JMenuItem k2=new JMenuItem("Calculater");**

**JMenuItem k3=new JMenuItem("Library");**

**utility.setForeground(Color.RED);**

**k1.setFont(new Font("monospace",Font.BOLD,16));**

**k1.setMnemonic('N');**

**k1.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_N,ActionEvent.CTRL\_MASK));**

**k1.setBackground(Color.white);**

**utility.add(k1);**

**k2.setFont(new Font("monospace",Font.BOLD,16));**

**k2.setMnemonic('O');**

**k2.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_O,ActionEvent.CTRL\_MASK));**

**k2.setBackground(Color.white);**

**utility.add(k2);**

**k3.setFont(new Font("monospace",Font.BOLD,16));**

**k3.setMnemonic('S');**

**k3.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_S,ActionEvent.CTRL\_MASK));**

**k3.setBackground(Color.white);**

**utility.add(k3);**

**k1.addActionListener(this);**

**k2.addActionListener(this);**

**k3.addActionListener(this);**

**JMenu about=new JMenu("About\_Us");**

**JMenuItem aa1=new JMenuItem("About Us");**

**about.setForeground(Color.BLUE);**

**aa1.setFont(new Font("monospace",Font.BOLD,16));**

**aa1.setMnemonic('P');**

**aa1.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_P,ActionEvent.CTRL\_MASK));**

**aa1.setBackground(Color.white);**

**aa1.addActionListener(this);**

**about.add(aa1);**

**JMenu exit=new JMenu("Exit");**

**JMenuItem e1=new JMenuItem("Exit");**

**exit.setForeground(Color.RED);**

**e1.setFont(new Font("monospace",Font.BOLD,16));**

**e1.setMnemonic('Q');**

**e1.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK\_Q,ActionEvent.CTRL\_MASK));**

**e1.setBackground(Color.white);**

**e1.addActionListener(this);**

**exit.add(e1);**

**mb.add(master);**

**mb.add(user);**

**mb.add(attendance);**

**mb.add(attendance\_detail);**

**mb.add(exam);**

**mb.add(report);**

**mb.add(fee);**

**mb.add(utility);**

**mb.add(about);**

**mb.add(exit);**

**con.add(mb);**

**setJMenuBar(mb);**

**setFont(new Font("Senserif",Font.BOLD,17));**

**setLayout(new FlowLayout());**

**setVisible(false);**

**}**

**public void actionPerformed(ActionEvent ae){**

**String msg=ae.getActionCommand();**

**if(msg.equals("New Student")){**

**new AddStudent().setVisible(true);**

**}**

**if(msg.equals("New Faculty")){**

**new AddTeacher().setVisible(true);**

**}**

**if(msg.equals("Teacher Login")){**

**new T\_Login().setVisible(true);**

**}**

**if(msg.equals("Student Login")){**

**new S\_Login().setVisible(true);**

**}**

**if(msg.equals("Student Detail")){**

**new StudentDetail().setVisible(true);**

**}**

**if(msg.equals("Teacher Detail")){**

**new TeacherDetail().setVisible(true);**

**}**

**if(msg.equals("Update Student Detail")){**

**new UpdateStudent().setVisible(true);**

**}**

**if(msg.equals("Update Teacher Detail")){**

**new UpdateTeacher().setVisible(true);**

**}**

**if(msg.equals("Fee Structure")){**

**new FeeStructure().setVisible(true);**

**}**

**if(msg.equals("Student Fee Form")){**

**new FeeForm().setVisible(true);**

**}**

**if(msg.equals("Teacher Salary")){**

**new Teacher\_Salary().setVisible(true);**

**}**

**if(msg.equals("Notepad")){**

**try{**

**Runtime.getRuntime().exec("notepad.exe");}**

**catch(Exception e){}**

**}**

**if(msg.equals("Calculater")){**

**try{**

**Runtime.getRuntime().exec("calc.exe");}**

**catch(Exception e){}**

**}**

**if(msg.equals("Exit")){**

**System.exit(0);**

**}**

**if(msg.equals("About Us")){**

**new About\_Us().setVisible(true);**

**}**

**if(msg.equals("Student Attendance")){**

**new StudentAttendance().setVisible(true);**

**}**

**if(msg.equals("Teacher Attendance")){**

**new TeacherAttendance().setVisible(true);**

**}**

**if(msg.equals("Student Attendance Detail")){**

**new Stud\_Atte\_Detail().setVisible(true);**

**}**

**if(msg.equals("Teacher Attendance Detail")){**

**new teac\_Atte\_Detail().setVisible(true);**

**}**

**if(msg.equals("Examination Detail")){**

**new Examination().setVisible(true);**

**}**

**if(msg.equals("Enter Mark")){**

**new EnterMarks().setVisible(true);**

**}**

**if(msg.equals("Library")){**

**new Library().setVisible(true);**

**}**

**}**

**public static void main(String[] args) {**

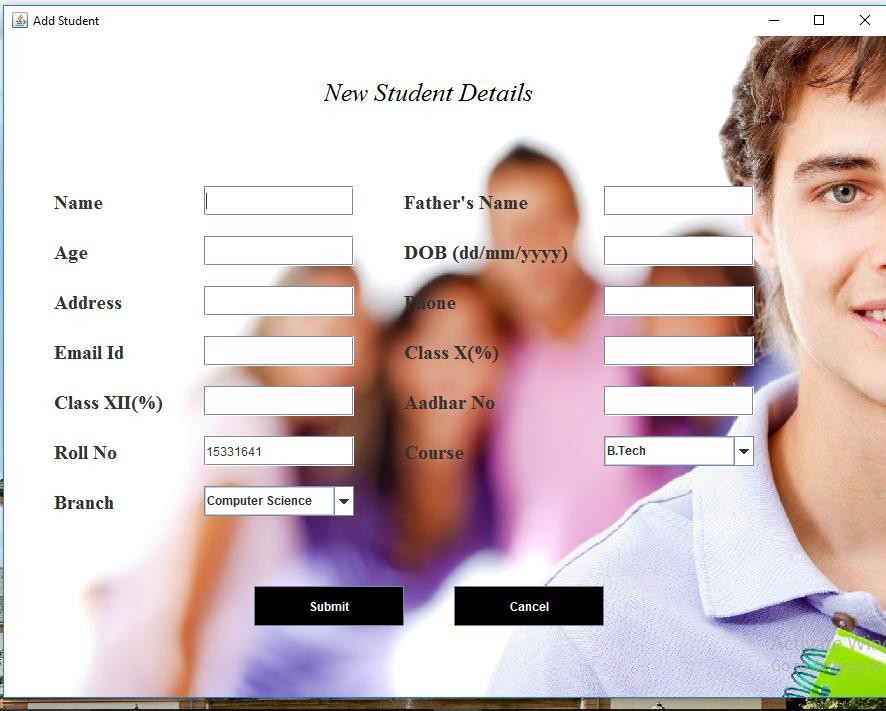
**Project p1= new Project();**

**p1.setVisible(true);**

**}**

**}**

1. **Studentform:**Inthiswecanaddthenewstudentdetailswhichwillbestoredinbackendofuser.This details further can updatedin the update page.



### Figure9.4: Studentform

package collage\_management;

import com.toedter.calendar.JDateChooser;

import java.awt.\*;

import javax.swing.\*;

import java.awt.event.\*;

import java.sql.\*;

import java.util.regex.\*;

import java.util.\*;

import java.util.Date;

public class AddStudent extends JFrame implements ActionListener {

JLabel id,id1,id2,id3,id4,id5,id6,id7,id8,id9,id10,id11,id12,id13,id14,id15,id16,id17,lb,lb1,lb2;

JLabel v1,v2,v3,v4,v5,v6,v7,v8,v9,v10,v11;

JTextField t,t1,t2,t3,t4,t5,t6,t7,t8,t9,t10,t11,t12,t13;

JButton b,b1;

JComboBox c1,c2;

JDateChooser ch;

public AddStudent(){

new JFrame("Add Student");

setBackground(Color.white);

setLayout(null);

id=new JLabel();

id.setBounds(0,0,900,700);

id.setLayout(null);

id1=new JLabel("New Student Details");

id1.setBounds(320,30,500,50);

id1.setFont(new Font("serif",Font.ITALIC,25));

id1.setForeground(new Color(144,25,78));

id.add(id1);

add(id);

id2=new JLabel("Name");

id2.setBounds(50,150,100,30);

id2.setFont(new Font("serif",Font.BOLD,20));

id.add(id2);

v1= new JLabel("");

v1.setBounds(200,175,100,30);

v1.setForeground(Color.red);

v1.setFont(new Font("serif",Font.BOLD,12));

id.add(v1);

t1=new JTextField();

t1.setBounds(200,150,150,30);

String vv1="^[a-zA-Z]{0,10}$";

t1.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv1);

Matcher mt= pt.matcher(t1.getText());

if(mt.matches())

{

v1.setText("true");

v1.setForeground(Color.green);

}

else

{

v1.setText("No Match Validation");

v1.setForeground(Color.red);

}

}

});

id.add(t1);

id3=new JLabel("Father Name");

id3.setBounds(400,150,200,30);

id3.setFont(new Font("serif",Font.BOLD,20));

id.add(id3);

v2= new JLabel("");

v2.setBounds(600,175,100,30);

v2.setForeground(Color.red);

v2.setFont(new Font("serif",Font.BOLD,12));

id.add(v2);

t2=new JTextField();

t2.setBounds(600,150,150,30);

String vv2="^[a-zA-Z]{0,11}$";

t2.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv2);

Matcher mt= pt.matcher(t2.getText());

if(mt.matches())

{

v2.setText("true");

v2.setForeground(Color.green);

}

else

{

v2.setText("No Match Validation");

v2.setForeground(Color.red);

}

}

});

id.add(t2);

id4=new JLabel("Age");

id4.setBounds(50,200,150,30);

id4.setFont(new Font("serif",Font.BOLD,20));

id.add(id4);

v3= new JLabel("");

v3.setBounds(200,225,100,30);

v3.setForeground(Color.red);

v3.setFont(new Font("serif",Font.BOLD,12));

id.add(v3);

t3=new JTextField();

t3.setBounds(200,200,150,30);

String vv3="^[0-9]{1,3}$";

t3.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv3);

Matcher mt= pt.matcher(t3.getText());

if(mt.matches())

{

v3.setText("true");

v3.setForeground(Color.green);

}

else

{

v3.setText("No Match Validation");

v3.setForeground(Color.red);

}

}

});

id.add(t3);

id5=new JLabel("DOB(dd/mm/yyyy)");

id5.setBounds(400,200,200,30);

id5.setFont(new Font("serif",Font.BOLD,20));

id.add(id5);

v4= new JLabel("");

v4.setBounds(600,225,100,30);

v4.setForeground(Color.red);

v4.setFont(new Font("serif",Font.BOLD,12));

id.add(v4);

ch = new JDateChooser();

ch.setBounds(600,200,150,30);

ch.setDateFormatString("dd/MM/yyyy");

id.add(ch);

id6=new JLabel("Address");

id6.setBounds(50,250,100,30);

id6.setFont(new Font("serif",Font.BOLD,20));

id.add(id6);

v5= new JLabel("");

v5.setBounds(200,275,100,30);

v5.setForeground(Color.red);

v5.setFont(new Font("serif",Font.BOLD,12));

id.add(v5);

t5=new JTextField();

t5.setBounds(200,250,150,30);

String vv5="^[a-zA-Z]{0,50}$";

t5.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv5);

Matcher mt= pt.matcher(t5.getText());

if(mt.matches())

{

v5.setText("true");

v5.setForeground(Color.green);

}

else

{

v5.setText("No Match Validation");

v5.setForeground(Color.red);

}

}

});

id.add(t5);

id7=new JLabel("Mobileno");

id7.setBounds(400,250,200,30);

id7.setFont(new Font("serif",Font.BOLD,20));

id.add(id7);

v6= new JLabel("");

v6.setBounds(600,275,100,30);

v6.setForeground(Color.red);

v6.setFont(new Font("serif",Font.BOLD,12));

id.add(v6);

t6=new JTextField();

t6.setBounds(600,250,150,30);

String vv6="^[0-9]{10,10}$";

t6.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv6);

Matcher mt= pt.matcher(t6.getText());

if(mt.matches())

{

v6.setText("true");

v6.setForeground(Color.green);

}

else

{

v6.setText("No Match Validation");

v6.setForeground(Color.red);

}

}

});

id.add(t6);

id8=new JLabel("Email Id");

id8.setBounds(50,300,100,30);

id8.setFont(new Font("serif",Font.BOLD,20));

id.add(id8);

v7= new JLabel("");

v7.setBounds(200,325,100,30);

v7.setForeground(Color.red);

v7.setFont(new Font("serif",Font.BOLD,12));

id.add(v7);

t7=new JTextField();

t7.setBounds(200,300,150,30);

String vv7="^(.+)@(.+).(.+)$";

t7.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv7);

Matcher mt= pt.matcher(t7.getText());

if(mt.matches())

{

v7.setText("true");

v7.setForeground(Color.green);

}

else

{

v7.setText("No Match Validation");

v7.setForeground(Color.red);

}

}

});

id.add(t7);

id9=new JLabel("Class X(%)");

id9.setBounds(400,300,130,30);

id9.setFont(new Font("serif",Font.BOLD,20));

id.add(id9);

v8= new JLabel("");

v8.setBounds(600,325,100,30);

v8.setForeground(Color.red);

v8.setFont(new Font("serif",Font.BOLD,12));

id.add(v8);

t8=new JTextField();

t8.setBounds(600,300,150,30);

String vv8="^[0-9]{0,2}[.][0-9]{0,2}$";

t8.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv8);

Matcher mt= pt.matcher(t8.getText());

if(mt.matches())

{

v8.setText("true");

v8.setForeground(Color.green);

}

else

{

v8.setText("No Match Validation");

v8.setForeground(Color.red);

}

}

});

id.add(t8);

id10=new JLabel("Class Xll(%)");

id10.setBounds(50,350,150,30);

id10.setFont(new Font("serif",Font.BOLD,20));

id.add(id10);

v9= new JLabel("");

v9.setBounds(200,375,100,30);

v9.setForeground(Color.red);

v9.setFont(new Font("serif",Font.BOLD,12));

id.add(v9);

t9=new JTextField();

t9.setBounds(200,350,150,30);

String vv9="^[0-9]{0,2}[.][0-9]{0,2}$";

t9.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv9);

Matcher mt= pt.matcher(t9.getText());

if(mt.matches())

{

v9.setText("true");

v9.setForeground(Color.green);

}

else

{

v9.setText("No Match Validation");

v9.setForeground(Color.red);

}

}

});

id.add(t9);

id11=new JLabel("Aadhar NO");

id11.setBounds(400,350,100,30);

id11.setFont(new Font("serif",Font.BOLD,20));

id.add(id11);

v10= new JLabel("");

v10.setBounds(600,375,100,30);

v10.setForeground(Color.red);

v10.setFont(new Font("serif",Font.BOLD,12));

id.add(v10);

t10=new JTextField();

t10.setBounds(600,350,150,30);

String vv10="^[0-9]{12,12}$";

t10.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv10);

Matcher mt= pt.matcher(t10.getText());

if(mt.matches())

{

v10.setText("true");

v10.setForeground(Color.green);

}

else

{

v10.setText("No Match Validation");

v10.setForeground(Color.red);

}

}

});

id.add(t10);

id12=new JLabel("RollNo");

id12.setBounds(50,400,150,30);

id12.setFont(new Font("serif",Font.BOLD,20));

id.add(id12);

v11= new JLabel("");

v11.setBounds(200,425,100,30);

v11.setForeground(Color.red);

v11.setFont(new Font("serif",Font.BOLD,12));

id.add(v11);

t11=new JTextField();

t11.setBounds(200,400,150,30);

String vv11="^[0-9]{0,4}$";

t11.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv11);

Matcher mt= pt.matcher(t11.getText());

if(mt.matches())

{

v11.setText("true");

v11.setForeground(Color.green);

}

else

{

v11.setText("No Match Validation");

v11.setForeground(Color.red);

}

}

});

id.add(t11);

lb=new JLabel("Cource");

lb.setBounds(400,400,150,30);

lb.setFont(new Font("serif",Font.BOLD,20));

id.add(lb);

String cource[] = {"Bca","Bsc-It","Bsc"};

c1=new JComboBox(cource);

c1.setBackground(Color.white);

c1.setBounds(600,400,150,30);

id.add(c1);

lb1=new JLabel("Brance");

lb1.setBounds(50,450,150,30);

lb1.setFont(new Font("serif",Font.BOLD,20));

id.add(lb1);

String branch[]={"Computer","science"};

c2=new JComboBox(branch);

c2.setBackground(Color.white);

c2.setBounds(200,450,150,30);

id.add(c2);

b=new JButton("Submit");

b.setBackground(Color.BLACK);

b.setForeground(Color.white);

b.setBounds(250,550,150,40);

id.add(b);

b1=new JButton("Cancle");

b1.setBackground(Color.BLACK);

b1.setForeground(Color.white);

b1.setBounds(450,550,150,40);

id.add(b1);

b.addActionListener(this);

b1.addActionListener(this);

ImageIcon i2=new ImageIcon(getClass().getResource("/collage\_management/icon/fifth.jpg"));

Image i1=i2.getImage().getScaledInstance(800, 700,Image.SCALE\_DEFAULT);

ImageIcon i3=new ImageIcon(i1);

JLabel m1=new JLabel("",i3,JLabel.LEFT);

m1.setBounds(0,0,800,700);

add(m1);

setVisible(true);

setSize(800,700);

Dimension dn =Toolkit.getDefaultToolkit().getScreenSize();

int xx1=dn.width/2-this.getWidth()/2;

int yy1=dn.height/2-this.getHeight()/2;

setLocation(xx1,yy1);

}

public void actionPerformed(ActionEvent ae){

String blnk=null;

String a=t1.getText();

String bb=t2.getText();

String c=t3.getText();

String ddd=((JTextField)ch.getDateEditor().getUiComponent()).getText();

String e=t5.getText();

String ff=t6.getText();

String g=t7.getText();

String h=t8.getText();

String i=t9.getText();

String j=t10.getText();

String k=t11.getText();

String l=(String)c1.getSelectedItem();

String m=(String)c1.getSelectedItem();

if(ae.getSource()== b){

if(t1.getText().isEmpty() || t2.getText().isEmpty() || t3.getText().isEmpty() || ch.getDate().toString().isEmpty() || t5.getText().isEmpty() || t6.getText().isEmpty() || t7.getText().isEmpty() )

{

JOptionPane.showMessageDialog(null,"all field requred !!");

}

else

{

String eq="true";

if(v1.getText().equals(eq) && v2.getText().equals(eq) && v3.getText().equals(eq) && v5.getText().equals(eq) && v6.getText().equals(eq) && v7.getText().equals(eq) && v8.getText().equals(eq) && v9.getText().equals(eq) && v10.getText().equals(eq) && v11.getText().equals(eq))

{

try{

conn cc=new conn();

String q="insert into addstudent values('"+a+"','"+bb+"','"+c+"','"+ddd+"','"+e+"','"+ff+"','"+g+"','"+h+"','"+i+"','"+j+"','"+k+"','"+l+"','"+m+"')";

cc.s.executeUpdate(q);

JOptionPane.showMessageDialog(null,"Student Detail inserted Successfully");

setVisible(false);

}

catch(Exception ee){

System.out.println("the error is:"+ee);

}

}

else

{

JOptionPane.showMessageDialog(null,"input data invalid!!");

}

}

}

if(ae.getSource()==b1){

setVisible(false);

// new Project().setVisible(true);

}

}

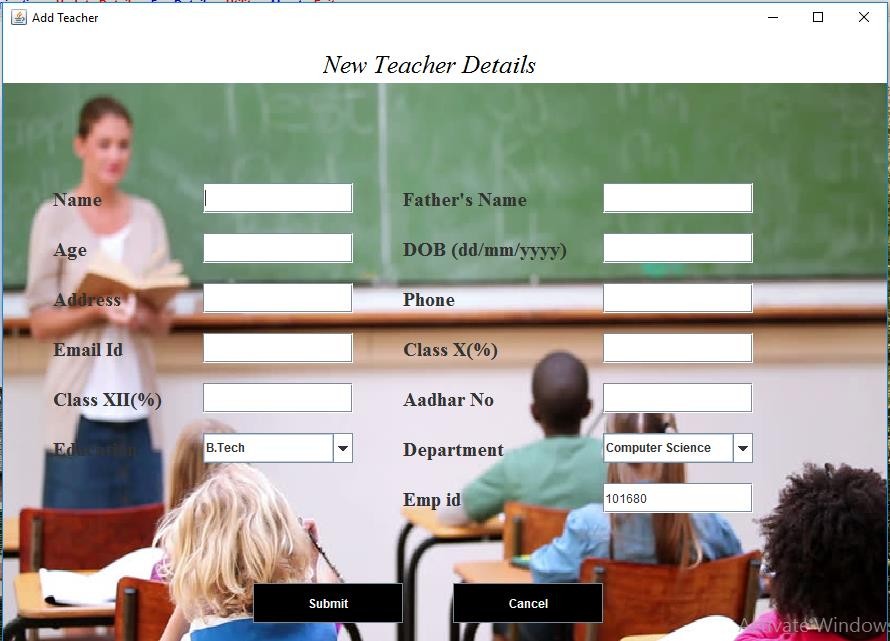
public static void main(String[] args) {

new AddStudent().setVisible(true);

}

}

1. **Teacherform:**Inthiswecanaddthenewteacherdetailswhichwillbestoredinbackendofuser.This details further can updatedin the update page.



### Figure9.5:Teacherform

**package collage\_management;**

**import com.toedter.calendar.JDateChooser;**

**import java.awt.\*;**

**import javax.swing.\*;**

**import java.awt.event.\*;**

**import java.util.Date;**

**import java.util.regex.\*;**

**public class AddTeacher extends JFrame implements ActionListener {**

**JLabel id,id1,id2,id3,id4,id5,id6,id7,id8,id9,id10,id11,id12,id13,id14,id15,id16,id17,lb,lb1,lb2;**

**JLabel v1,v2,v3,v4,v5,v6,v7,v8,v9,v10,v11;**

**JTextField t,t1,t2,t3,t4,t5,t6,t7,t8,t9,t10,t11,t12,t13;**

**JButton b,b1;**

**JComboBox c1,c2;**

**JDateChooser ch;**

**public AddTeacher(){**

**setBackground(Color.white);**

**setLayout(null);**

**id=new JLabel();**

**id.setBounds(0,0,900,700);**

**id.setLayout(null);**

**// setUndecorated(true);**

**// getRootPane().setWindowDecorationStyle(JRootPane.FRAME);**

**id1=new JLabel("New Teacher Details");**

**id1.setBounds(320,30,500,50);**

**id1.setFont(new Font("serif",Font.ITALIC,25));**

**id1.setForeground(Color.black);**

**id.add(id1);**

**add(id);**

**id2=new JLabel("Name");**

**id2.setBounds(50,150,100,30);**

**id2.setFont(new Font("serif",Font.BOLD,20));**

**id.add(id2);**

**v1= new JLabel("");**

**v1.setBounds(200,175,100,30);**

**v1.setForeground(Color.red);**

**v1.setFont(new Font("serif",Font.BOLD,12));**

**id.add(v1);**

**t1=new JTextField();**

**t1.setBounds(200,150,150,30);**

**String vv1="^[a-zA-Z]{0,10}$";**

**t1.addKeyListener(new KeyAdapter(){**

**public void keyReleased(KeyEvent ke)**

**{**

**Pattern pt= Pattern.compile(vv1);**

**Matcher mt= pt.matcher(t1.getText());**

**if(mt.matches())**

**{**

**v1.setText("true");**

**v1.setForeground(Color.green);**

**}**

**else**

**{**

**v1.setText("No Match Validation");**

**v1.setForeground(Color.red);**

**}**

**}**

**});**

**id.add(t1);**

**id3=new JLabel("Father Name");**

**id3.setBounds(400,150,200,30);**

**id3.setFont(new Font("serif",Font.BOLD,20));**

**id.add(id3);**

**v2= new JLabel("");**

**v2.setBounds(600,175,100,30);**

**v2.setForeground(Color.red);**

**v2.setFont(new Font("serif",Font.BOLD,12));**

**id.add(v2);**

**t2=new JTextField();**

**t2.setBounds(600,150,150,30);**

**String vv2="^[a-zA-Z]{0,11}$";**

**t2.addKeyListener(new KeyAdapter(){**

**public void keyReleased(KeyEvent ke)**

**{**

**Pattern pt= Pattern.compile(vv2);**

**Matcher mt= pt.matcher(t2.getText());**

**if(mt.matches())**

**{**

**v2.setText("true");**

**v2.setForeground(Color.green);**

**}**

**else**

**{**

**v2.setText("No Match Validation");**

**v2.setForeground(Color.red);**

**}**

**}**

**});**

**id.add(t2);**

**id4=new JLabel("Age");**

**id4.setBounds(50,200,150,30);**

**id4.setFont(new Font("serif",Font.BOLD,20));**

**id.add(id4);**

**v3= new JLabel("");**

**v3.setBounds(200,225,100,30);**

**v3.setForeground(Color.red);**

**v3.setFont(new Font("serif",Font.BOLD,12));**

**id.add(v3);**

**t3=new JTextField();**

**t3.setBounds(200,200,150,30);**

**String vv3="^[0-9]{1,3}$";**

**t3.addKeyListener(new KeyAdapter(){**

**public void keyReleased(KeyEvent ke)**

**{**

**Pattern pt= Pattern.compile(vv3);**

**Matcher mt= pt.matcher(t3.getText());**

**if(mt.matches())**

**{**

**v3.setText("true");**

**v3.setForeground(Color.green);**

**}**

**else**

**{**

**v3.setText("No Match Validation");**

**v3.setForeground(Color.red);**

**}**

**}**

**});**

**id.add(t3);**

**id5=new JLabel("DOB(dd/mm/yy)");**

**id5.setBounds(400,200,200,30);**

**id5.setFont(new Font("serif",Font.BOLD,20));**

**id.add(id5);**

**v4= new JLabel("");**

**v4.setBounds(600,225,100,30);**

**v4.setForeground(Color.red);**

**v4.setFont(new Font("serif",Font.BOLD,12));**

**id.add(v4);**

**ch = new JDateChooser();**

**ch.setBounds(600,200,150,30);**

**ch.setDateFormatString("dd/MM/yyyy");**

**id.add(ch);**

**id6=new JLabel("Address");**

**id6.setBounds(50,250,100,30);**

**id6.setFont(new Font("serif",Font.BOLD,20));**

**id.add(id6);**

**v5= new JLabel("");**

**v5.setBounds(200,275,100,30);**

**v5.setForeground(Color.red);**

**v5.setFont(new Font("serif",Font.BOLD,12));**

**id.add(v5);**

**t5=new JTextField();**

**t5.setBounds(200,250,150,30);**

**String vv5="^[a-zA-Z]{0,50}$";**

**t5.addKeyListener(new KeyAdapter(){**

**public void keyReleased(KeyEvent ke)**

**{**

**Pattern pt= Pattern.compile(vv5);**

**Matcher mt= pt.matcher(t5.getText());**

**if(mt.matches())**

**{**

**v5.setText("true");**

**v5.setForeground(Color.green);**

**}**

**else**

**{**

**v5.setText("No Match Validation");**

**v5.setForeground(Color.red);**

**}**

**}**

**});**

**id.add(t5);**

**id7=new JLabel("Mobileno");**

**id7.setBounds(400,250,200,30);**

**id7.setFont(new Font("serif",Font.BOLD,20));**

**id.add(id7);**

**v6= new JLabel("");**

**v6.setBounds(600,275,100,30);**

**v6.setForeground(Color.red);**

**v6.setFont(new Font("serif",Font.BOLD,12));**

**id.add(v6);**

**t6=new JTextField();**

**t6.setBounds(600,250,150,30);**

**String vv6="^[0-9]{10,10}$";**

**t6.addKeyListener(new KeyAdapter(){**

**public void keyReleased(KeyEvent ke)**

**{**

**Pattern pt= Pattern.compile(vv6);**

**Matcher mt= pt.matcher(t6.getText());**

**if(mt.matches())**

**{**

**v6.setText("true");**

**v6.setForeground(Color.green);**

**}**

**else**

**{**

**v6.setText("No Match Validation");**

**v6.setForeground(Color.red);**

**}**

**}**

**});**

**id.add(t6);**

**id8=new JLabel("Email Id");**

**id8.setBounds(50,300,100,30);**

**id8.setFont(new Font("serif",Font.BOLD,20));**

**id.add(id8);**

**v7= new JLabel("");**

**v7.setBounds(200,325,100,30);**

**v7.setForeground(Color.red);**

**v7.setFont(new Font("serif",Font.BOLD,12));**

**id.add(v7);**

**t7=new JTextField();**

**t7.setBounds(200,300,150,30);**

**String vv7="^(.+)@(.+).(.+)$";**

**t7.addKeyListener(new KeyAdapter(){**

**public void keyReleased(KeyEvent ke)**

**{**

**Pattern pt= Pattern.compile(vv7);**

**Matcher mt= pt.matcher(t7.getText());**

**if(mt.matches())**

**{**

**v7.setText("true");**

**v7.setForeground(Color.green);**

**}**

**else**

**{**

**v7.setText("No Match Validation");**

**v7.setForeground(Color.red);**

**}**

**}**

**});**

**id.add(t7);**

**id9=new JLabel("Class X(%)");**

**id9.setBounds(400,300,130,30);**

**id9.setFont(new Font("serif",Font.BOLD,20));**

**id.add(id9);**

**v8= new JLabel("");**

**v8.setBounds(600,325,100,30);**

**v8.setForeground(Color.red);**

**v8.setFont(new Font("serif",Font.BOLD,12));**

**id.add(v8);**

**t8=new JTextField();**

**t8.setBounds(600,300,150,30);**

**String vv8="^[0-9]{0,2}[.][0-9]{0,2}$";**

**t8.addKeyListener(new KeyAdapter(){**

**public void keyReleased(KeyEvent ke)**

**{**

**Pattern pt= Pattern.compile(vv8);**

**Matcher mt= pt.matcher(t8.getText());**

**if(mt.matches())**

**{**

**v8.setText("true");**

**v8.setForeground(Color.green);**

**}**

**else**

**{**

**v8.setText("No Match Validation");**

**v8.setForeground(Color.red);**

**}**

**}**

**});**

**id.add(t8);**

**id10=new JLabel("Class Xll(%)");**

**id10.setBounds(50,350,150,30);**

**id10.setFont(new Font("serif",Font.BOLD,20));**

**id.add(id10);**

**v9= new JLabel("");**

**v9.setBounds(200,375,100,30);**

**v9.setForeground(Color.red);**

**v9.setFont(new Font("serif",Font.BOLD,12));**

**id.add(v9);**

**t9=new JTextField();**

**t9.setBounds(200,350,150,30);**

**String vv9="^[0-9]{0,2}[.][0-9]{0,2}$";**

**t9.addKeyListener(new KeyAdapter(){**

**public void keyReleased(KeyEvent ke)**

**{**

**Pattern pt= Pattern.compile(vv9);**

**Matcher mt= pt.matcher(t9.getText());**

**if(mt.matches())**

**{**

**v9.setText("true");**

**v9.setForeground(Color.green);**

**}**

**else**

**{**

**v9.setText("No Match Validation");**

**v9.setForeground(Color.red);**

**}**

**}**

**});**

**id.add(t9);**

**id11=new JLabel("Aadhar NO");**

**id11.setBounds(400,350,100,30);**

**id11.setFont(new Font("serif",Font.BOLD,20));**

**id.add(id11);**

**v10= new JLabel("");**

**v10.setBounds(600,375,100,30);**

**v10.setForeground(Color.red);**

**v10.setFont(new Font("serif",Font.BOLD,12));**

**id.add(v10);**

**t10=new JTextField();**

**t10.setBounds(600,350,150,30);**

**String vv10="^[0-9]{12,12}$";**

**t10.addKeyListener(new KeyAdapter(){**

**public void keyReleased(KeyEvent ke)**

**{**

**Pattern pt= Pattern.compile(vv10);**

**Matcher mt= pt.matcher(t10.getText());**

**if(mt.matches())**

**{**

**v10.setText("true");**

**v10.setForeground(Color.green);**

**}**

**else**

**{**

**v10.setText("No Match Validation");**

**v10.setForeground(Color.red);**

**}**

**}**

**});**

**id.add(t10);**

**id12=new JLabel("Employee No");**

**id12.setBounds(50,400,150,30);**

**id12.setFont(new Font("serif",Font.BOLD,20));**

**id.add(id12);**

**v11= new JLabel("");**

**v11.setBounds(200,425,100,30);**

**v11.setForeground(Color.red);**

**v11.setFont(new Font("serif",Font.BOLD,12));**

**id.add(v11);**

**t11=new JTextField();**

**t11.setBounds(200,400,150,30);**

**String vv11="^[0-9]{0,4}$";**

**t11.addKeyListener(new KeyAdapter(){**

**public void keyReleased(KeyEvent ke)**

**{**

**Pattern pt= Pattern.compile(vv11);**

**Matcher mt= pt.matcher(t11.getText());**

**if(mt.matches())**

**{**

**v11.setText("true");**

**v11.setForeground(Color.green);**

**}**

**else**

**{**

**v11.setText("No Match Validation");**

**v11.setForeground(Color.red);**

**}**

**}**

**});**

**id.add(t11);**

**lb=new JLabel("Cource");**

**lb.setBounds(400,400,150,30);**

**lb.setFont(new Font("serif",Font.BOLD,20));**

**id.add(lb);**

**String cource[] = {"Bca","Bsc-It","Bsc"};**

**c1=new JComboBox(cource);**

**c1.setBackground(Color.white);**

**c1.setBounds(600,400,150,30);**

**id.add(c1);**

**lb1=new JLabel("Brance");**

**lb1.setBounds(50,450,150,30);**

**lb1.setFont(new Font("serif",Font.BOLD,20));**

**id.add(lb1);**

**String branch[]={"Computer","science"};**

**c2=new JComboBox(branch);**

**c2.setBackground(Color.white);**

**c2.setBounds(200,450,150,30);**

**id.add(c2);**

**b=new JButton("Submit");**

**b.setBackground(Color.BLACK);**

**b.setForeground(Color.white);**

**b.setBounds(250,550,150,40);**

**id.add(b);**

**b1=new JButton("Cancle");**

**b1.setBackground(Color.BLACK);**

**b1.setForeground(Color.white);**

**b1.setBounds(450,550,150,40);**

**id.add(b1);**

**b.addActionListener(this);**

**b1.addActionListener(this);**

**ImageIcon i2=new ImageIcon(getClass().getResource("/collage\_management/icon/fifth.jpg"));**

**Image i1=i2.getImage().getScaledInstance(800, 700,Image.SCALE\_DEFAULT);**

**ImageIcon i3=new ImageIcon(i1);**

**JLabel m1=new JLabel("",i3,JLabel.LEFT);**

**m1.setBounds(0,0,800,700);**

**add(m1);**

**setVisible(true);**

**setSize(800,700);**

**Dimension dn =Toolkit.getDefaultToolkit().getScreenSize();**

**int xx1=dn.width/2-this.getWidth()/2;**

**int yy1=dn.height/2-this.getHeight()/2;**

**setLocation(xx1,yy1);**

**}**

**public void actionPerformed(ActionEvent ae){**

**String blnk=null;**

**String a=t1.getText();**

**String bb=t2.getText();**

**String c=t3.getText();**

**String ddd=((JTextField)ch.getDateEditor().getUiComponent()).getText();**

**String e=t5.getText();**

**String ff=t6.getText();**

**String g=t7.getText();**

**String h=t8.getText();**

**String i=t9.getText();**

**String j=t10.getText();**

**String k=t11.getText();**

**String l=(String)c1.getSelectedItem();**

**String m=(String)c1.getSelectedItem();**

**if(ae.getSource()== b){**

**if(t1.getText().isEmpty() || t2.getText().isEmpty() || t3.getText().isEmpty() || ch.getDate().toString().isEmpty() || t5.getText().isEmpty() || t6.getText().isEmpty() || t7.getText().isEmpty() )**

**{**

**JOptionPane.showMessageDialog(null,"all field requred !!");**

**}**

**else**

**{**

**String eq="true";**

**if(v1.getText().equals(eq) && v2.getText().equals(eq) && v3.getText().equals(eq) && v5.getText().equals(eq) && v6.getText().equals(eq) && v7.getText().equals(eq) && v8.getText().equals(eq) && v9.getText().equals(eq) && v10.getText().equals(eq) && v11.getText().equals(eq))**

**{**

**try{**

**conn cc=new conn();**

**String q="insert into add\_teacher values('"+a+"','"+bb+"','"+c+"','"+ddd+"','"+e+"','"+ff+"','"+g+"','"+h+"','"+i+"','"+j+"','"+k+"','"+l+"','"+m+"')";**

**cc.s.executeUpdate(q);**

**JOptionPane.showMessageDialog(null,"Student Detail inserted Successfully");**

**setVisible(false);**

**}**

**catch(Exception ee){**

**System.out.println("the error is:"+ee);**

**}**

**}**

**else**

**{**

**JOptionPane.showMessageDialog(null,"input data invalid!!");**

**}**

**}**

**}**

**if(ae.getSource()==b1){**

**setVisible(false);**

**// new Project().setVisible(true);**

**}**

**}**

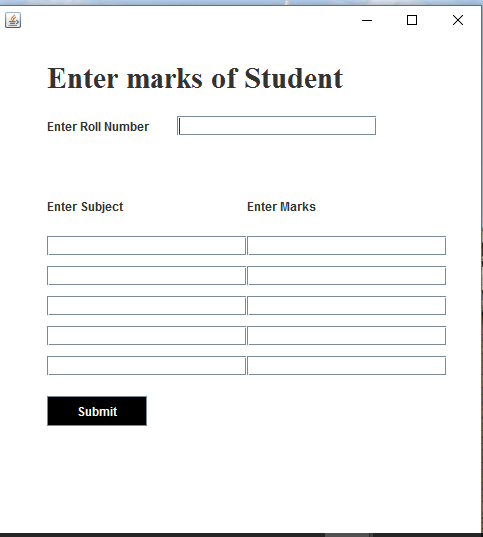
**public static void main(String[] args) {**

**new AddTeacher().setVisible(true);**

**}**

**}**

1. **MarksandSubjectpage:**Inthispagewecanenterthesubjectsandmarksscoredinthatparticularsubject alongthe rollno.



### Figure9.6:MarksandSubjectpage

package collage\_management;

import java.awt.\*;

import javax.swing.\*;

import java.awt.event.\*;

import java.sql.\*;

import javax.swing.border.EmptyBorder;

public class EnterMarks extends JFrame implements ActionListener {

JLabel l1,l2,l3,l4,l5,l6;

JTextField t1,t2,t3,t4,t5,t6,t7,t8,t9,t10,t11,t12,t13;

JButton b1;

JComboBox c1,c2;

Choice cc;

public EnterMarks()

{

setSize(500,550);

setLayout(null);

Dimension dn =Toolkit.getDefaultToolkit().getScreenSize();

int xx1=dn.width/2-this.getWidth()/2;

int yy1=dn.height/2-this.getHeight()/2;

setLocation(xx1,yy1);

l1 = new JLabel("Enter Marks of Student");

l1.setFont(new Font("serif",Font.BOLD,30));

l1.setBounds(50,0,500,80);

add(l1);

l6 = new JLabel("Select Stream");

l6.setBounds(5,60,100,40);

add(l6);

l5 = new JLabel("Select Semester");

l5.setBounds(220,60,100,40);

add(l5);

String s12[]={"Btech","Bca","Bba","Bsc","Mba"};

c2=new JComboBox(s12);

c2.setBounds(100,70,100,20);

add(c2);

String s11[]={"1","2","3","4","5","6","7","8"};

c1=new JComboBox(s11);

c1.setBounds(320,70,100,20);

add(c1);

l2 = new JLabel("Enter Roll no");

l2.setBounds(50,110,200,40);

add(l2);

cc=new Choice();

cc.setForeground(Color.gray);

cc.setBounds(250,120,150,20);

cc.setFont(new Font("Trebuchet MS",Font.BOLD,14));

try{

conn c=new conn();

ResultSet rs=c.s.executeQuery("select \* from addstudent");

while(rs.next()){

cc.add(rs.getString("rollno"));

}

}

catch(Exception e){}

// String s1=(String)c2.getSelectedItem();

// String s2=(String)c1.getSelectedItem();

// if()

add(cc);

l3 = new JLabel("Enter Subject");

//l3.setFont(new Font("serif",Font.BOLD,30));

l3.setBounds(50,150,200,40);

add(l3);

l4 = new JLabel("Enter Marks of Student");

//l4.setFont(new Font("serif",Font.BOLD,30));

l4.setBounds(250,150,200,40);

add(l4);

t2=new JTextField();

t2.setBounds(50,200,200,20);

add(t2);

t3=new JTextField();

t3.setBounds(250,200,200,20);

add(t3);

t4=new JTextField();

t4.setBounds(50,230,200,20);

add(t4);

t5=new JTextField();

t5.setBounds(250,230,200,20);

add(t5);

t6=new JTextField();

t6.setBounds(50,260,200,20);

add(t6);

t7=new JTextField();

t7.setBounds(250,260,200,20);

add(t7);

t8=new JTextField();

t8.setBounds(50,290,200,20);

add(t8);

t9=new JTextField();

t9.setBounds(250,290,200,20);

add(t9);

t10=new JTextField();

t10.setBounds(50,320,200,20);

add(t10);

t11=new JTextField();

t11.setBounds(250,320,200,20);

add(t11);

b1= new JButton("Submit");

b1.setBounds(50,360,100,30);

b1.setBackground(Color.BLACK);

b1.setForeground(Color.WHITE);

b1.addActionListener(this);

add(b1);

ImageIcon i2=new ImageIcon(getClass().getResource("/collage\_management/icon/st2.jpeg"));

Image i1=i2.getImage().getScaledInstance(500, 550,Image.SCALE\_DEFAULT);

ImageIcon i3=new ImageIcon(i1);

JLabel m1=new JLabel("",i3,JLabel.LEFT);

m1.setBounds(0,0,500,550);

add(m1);

}

EnterMarks(String text) {

throw new UnsupportedOperationException("Not supported yet."); //To change body of generated methods, choose Tools | Templates.

}

public void actionPerformed(ActionEvent ae)

{

try{

if(ae.getSource()== b1)

{

conn c11 = new conn();

//String s1="insert into subject values('"+t1.getText()+"','"+t2.getText()+"','"+t3.getText()+"','"+t4.getText()+"','"+t5.getText()+"','"+t6.getText()+"','"+t7.getText()+"','"+t8.getText()+"','"+t9.getText()+"','"+t10.getText()+"','"+t11.getText()+"')";

// String s2="insert into marks values('"+t1.getText()+"','"+t2.getText()+"','"+t3.getText()+"','"+t4.getText()+"','"+t5.getText()+"','"+t6.getText()+"','"+t7.getText()+"','"+t8.getText()+"','"+t9.getText()+"','"+t10.getText()+"','"+t11.getText()+"')";

String s1="insert into subject values('"+c2.getSelectedItem()+"','"+c1.getSelectedItem()+"','"+cc.getSelectedItem()+"','"+t2.getText()+"','"+t4.getText()+"','"+t6.getText()+"','"+t8.getText()+"','"+t10.getText()+"')";

String s2="insert into marks values('"+c2.getSelectedItem()+"','"+c1.getSelectedItem()+"','"+cc.getSelectedItem()+"','"+t3.getText()+"','"+t5.getText()+"','"+t7.getText()+"','"+t9.getText()+"','"+t11.getText()+"')";

c11.s.executeUpdate(s1);

c11.s.executeUpdate(s2);

JOptionPane.showMessageDialog(null,"Marks insert successfully");

this.setVisible(false);

}

}

catch(Exception e)

{

System.out.println(e);

}

}

public static void main(String[] args) {

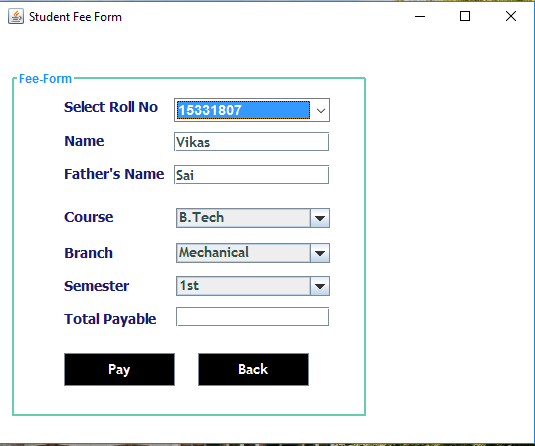
// TODO code application logic here

new EnterMarks().setVisible(true);

}

}

1. **Feepaymentpage:**Inthispagewecanthepaythefeeduesoftheparticularstudentwhichusesrollno,course,branchand sem topaythe fee.



**Figure9.7: Feepaymentpage**

package collage\_management;

import java.awt.\*;

import javax.swing.\*;

import javax.swing.border.\*;

import java.awt.event.\*;

import java.sql.\*;

import java.util.regex.Matcher;

import java.util.regex.Pattern;

public class FeeForm extends JFrame implements ActionListener,ItemListener {

private JPanel contentPane;

private JTextField t1,t2,t3;

private JComboBox comboBox,combobox\_1,comboBox\_2,comboBox\_3;

JLabel v1;

JButton b1,b2;

Choice c1;

public FeeForm(){

super("Student Fee Form");

setBounds(700,200,550,450);

setSize(400,450);

Dimension din=Toolkit.getDefaultToolkit().getScreenSize();

int x=din.width/2-this.getWidth()/2;

int y=din.height/2-this.getHeight()/2;

setLocation(x,y);

setResizable(false);

contentPane=new JPanel();

contentPane.setBorder(new EmptyBorder(5,5,5,5));

setContentPane(contentPane);

contentPane.setLayout(null);

c1=new Choice();

c1.setForeground(new Color(23,45,75));

c1.setFont(new Font("Trebuchet MS",Font.BOLD,14));

c1.addItemListener(this);

try{

conn c=new conn();

ResultSet rs=c.s.executeQuery("select \* from AddStudent");

while(rs.next()){

c1.add(rs.getString("Rollno"));

}

}

catch(Exception e){}

JLabel l1=new JLabel("Select Rollno");

l1.setForeground(new Color(23,45,17));

l1.setFont(new Font("Tahoma",Font.BOLD,14));

l1.setBounds(64,63,102,32);

contentPane.add(l1);

JLabel l2=new JLabel("Name");

l2.setForeground(new Color(23,55,17));

l2.setFont(new Font("Tahoma",Font.BOLD,14));

l2.setBounds(64,97,102,22);

contentPane.add(l2);

JLabel l3=new JLabel("Father\_Name");

l3.setForeground(new Color(23,55,17));

l3.setFont(new Font("Tahoma",Font.BOLD,14));

l3.setBounds(64,130,102,22);

contentPane.add(l3);

JLabel l4=new JLabel("Brance");

l4.setForeground(new Color(43,55,17));

l4.setFont(new Font("Tahoma",Font.BOLD,14));

l4.setBounds(64,209,102,22);

contentPane.add(l4);

JLabel l5=new JLabel("Semester");

l5.setForeground(new Color(23,55,17));

l5.setFont(new Font("Tahoma",Font.BOLD,14));

l5.setBounds(64,242,102,22);

contentPane.add(l5);

JLabel l6=new JLabel("Total\_Payable");

l6.setForeground(new Color(23,55,17));

l6.setFont(new Font("Tahoma",Font.BOLD,14));

l6.setBounds(64,275,102,22);

contentPane.add(l6);

c1.setBounds(174,66,156,20);

contentPane.add(c1);

t2=new JTextField();

t2.setEditable(false);

t2.setForeground(new Color(34,65,86));

t2.setFont(new Font("Trebuchat MS",Font.BOLD,14));

t2.setColumns(10);

t2.setBounds(174,100,156,20);

contentPane.add(t2);

t3=new JTextField();

t3.setForeground(new Color(34,65,86));

t3.setEditable(false);

t3.setFont(new Font("Trebuchat MS",Font.BOLD,14));

t3.setColumns(10);

t3.setBounds(174,133,156,20);

contentPane.add(t3);

comboBox=new JComboBox();

comboBox.setModel(new DefaultComboBoxModel(new String[]{"Science","Computer","Commerce"}));

comboBox.setForeground(new Color(34,56,28));

comboBox.setFont(new Font("Trebuchet MS",Font.BOLD,14));

comboBox.setBounds(176,211,154,20);

contentPane.add(comboBox);

comboBox\_2=new JComboBox();

comboBox\_2.setModel(new DefaultComboBoxModel(new String[]{"1st","2nd,","3rd","4th","5th","6th","7th","8th"}));

comboBox\_2.setForeground(new Color(34,56,28));

comboBox\_2.setFont(new Font("Trebuchet MS",Font.BOLD,14));

comboBox\_2.setBounds(176,244,154,20);

contentPane.add(comboBox\_2);

v1=new JLabel();

v1.setForeground(Color.red);

v1.setFont(new Font("Tahoma",Font.BOLD,12));

v1.setBounds(176,300,154,12);

contentPane.add(v1);

t1=new JTextField();

t1.setForeground(new Color(34,65,86));

t1.setFont(new Font("Trebuchat MS",Font.BOLD,14));

t1.setColumns(10);

t1.setBounds(176,275,154,20);

String st1="^[0-9]{3,6}$";

t1.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke){

Pattern pt=Pattern.compile(st1);

Matcher mt=pt.matcher(t1.getText());

if(mt.matches()){

v1.setText("true");

v1.setForeground(Color.green);

}

else{

v1.setText("Input Strong Password");

v1.setForeground(Color.red);

}

}

});

contentPane.add(t1);

b1=new JButton ("Pay");

b1.addActionListener(this);

b1.setForeground(Color.black);

b1.setFont(new Font("Trebuchet MS",Font.BOLD,14));

b1.setBounds(64,321,111,33);

b1.setBackground(Color.white);

contentPane.add(b1);

b2=new JButton ("Back");

b2.setFont(new Font("Trebuchet MS",Font.BOLD,14));

b2.setBounds(198,321,111,33);

b2.setBackground(Color.white);

b2.setForeground(Color.black);

b2.addActionListener(this);

contentPane.add(b2);

JLabel l7=new JLabel("Course");

l7.setForeground(new Color(23,55,17));

l7.setFont(new Font("Tahoma",Font.BOLD,14));

l7.setBounds(64,173,102,22);

contentPane.add(l7);

comboBox\_3=new JComboBox();

comboBox\_3.setModel(new DefaultComboBoxModel(new String[]{"Bca","Bba,","Bsc","Mba","Btech"}));

comboBox\_3.setForeground(new Color(34,56,28));

comboBox\_3.setFont(new Font("Trebuchet MS",Font.BOLD,14));

comboBox\_3.setBounds(176,176,154,20);

contentPane.add(comboBox\_3);

JPanel panel=new JPanel();

panel.setBorder(new TitledBorder(new LineBorder(new Color(102,205,170),2,true),"Fee-Form",TitledBorder.LEADING,TitledBorder.TOP,null,new Color(30,144,255)));

panel.setBackground(new Color(34,56,255));

panel.setBounds(10,30,358,349);

contentPane.setBackground(Color.white);

panel.setBackground(Color.white);

contentPane.add(panel);

}

public void itemStateChanged(ItemEvent ae){

if(ae.getSource()==c1){

try{

conn c=new conn();

ResultSet rs=c.s.executeQuery("select \* from AddStudent where rollno='"+c1.getSelectedItem()+"'");

while(rs.next()){

t2.setText(rs.getString("name"));

t3.setText(rs.getString("fathers\_name"));

}

}

catch(Exception e){}

}

}

public void actionPerformed(ActionEvent ae){

String st1=t1.getText();

if(ae.getSource()==b1){

if(st1.isEmpty()){

JOptionPane.showMessageDialog(null,"Empty Filled Not Allow");

}

else{

try{

conn con=new conn();

if(v1.getText().equals("true")){

String s1="insert into fee values(?,?,?,?,?,?,?)";

PreparedStatement st=con.c.prepareStatement(s1);

st.setString(1,c1.getSelectedItem());

st.setString(2,t2.getText());

st.setString(3,t3.getText());

st.setString(4,(String) comboBox\_3.getSelectedItem());

st.setString(5,(String) comboBox.getSelectedItem());

st.setString(6,(String) comboBox\_2.getSelectedItem());

st.setString(7,t1.getText());

int i=st.executeUpdate();

if(i>0){

JOptionPane.showMessageDialog(null,"Successfully paid");

this.setVisible(false);

}

else{

JOptionPane.showMessageDialog(null,"Error");

}

}

else{

JOptionPane.showMessageDialog(null,"Plase Valid Data Enter");

}

}

catch(Exception e){}

}

}

if(ae.getSource()==b2){

this.setVisible(false);

}

}

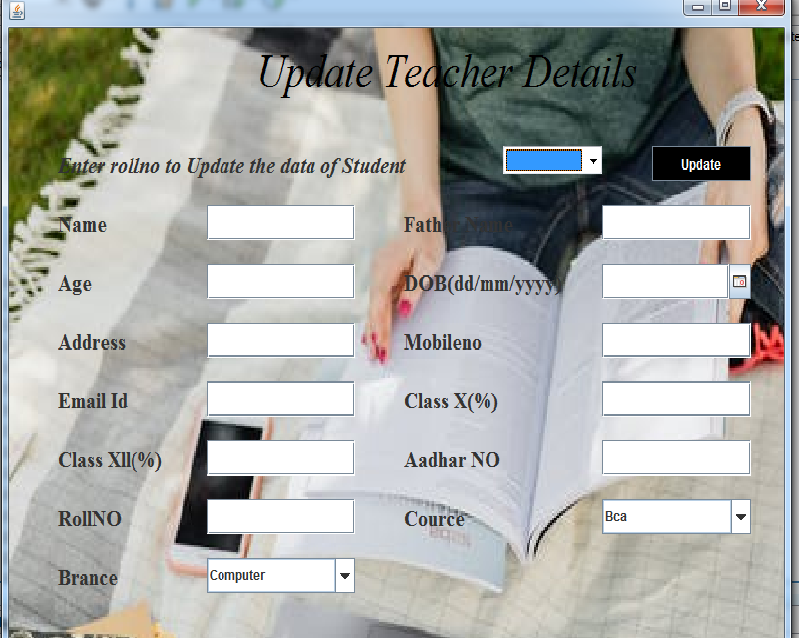
public static void main(String[] args) {

new FeeForm().setVisible(true);

}

}

8) Update Student



package collage\_management;

import com.toedter.calendar.JDateChooser;

import java.sql.\*;

import java.awt.\*;

import javax.swing.\*;

import java.awt.event.\*;

import java.util.regex.Matcher;

import java.util.regex.Pattern;

public class UpdateStudent extends JFrame implements ActionListener{

JLabel id,id1,id2,id3,id4,id5,id6,id7,id8,id9,id10,id11,id12,id15,lb,lb1,lb2;

JTextField t,t1,t2,t3,t5,t6,t7,t8,t9,t10,t11,t12,t13,t14;

JButton b,b1,b2;

String rollno;

Choice c11;

JComboBox c1,c2;

JDateChooser ch;

JLabel v1,v2,v3,v4,v5,v6,v7,v8,v9,v10,v11;

UpdateStudent(){

setLayout(null);

setSize(800,650);

Dimension dn =Toolkit.getDefaultToolkit().getScreenSize();

int xx1=dn.width/2-this.getWidth()/2;

int yy1=dn.height/2-this.getHeight()/2;

setLocation(xx1,yy1);

JLabel l1=new JLabel("Enter rollno to Update the data of Student");

l1.setBounds(50,90,400,50);

l1.setFont(new Font("serif",Font.ITALIC| Font.BOLD,20));

add(l1);

c11=new Choice();

c11.setForeground(new Color(23,45,75));

c11.setFont(new Font("Trebuchet MS",Font.BOLD,14));

try{

conn c=new conn();

ResultSet rs=c.s.executeQuery("select \* from addstudent");

while(rs.next()){

c11.add(rs.getString("RollNo"));

}

}

catch(Exception e){}

c11.setBounds(500,100,100,30);

add(c11);

b2=new JButton("Update");

b2.setBackground(Color.black);

b2.setForeground(Color.white);

b2.setBounds(650,100,100,30);

add(b2);

b2.addActionListener(this);

id8=new JLabel("Update Teacher Details");

id8.setBounds(250,10,400,50);

id8.setFont(new Font("serif",Font.ITALIC,40));

id8.setForeground(Color.black);

add(id8);

id2=new JLabel("Name");

id2.setBounds(50,150,100,30);

id2.setFont(new Font("serif",Font.BOLD,20));

add(id2);

v1= new JLabel("");

v1.setBounds(200,175,100,30);

v1.setForeground(Color.red);

v1.setFont(new Font("serif",Font.BOLD,12));

add(v1);

t1=new JTextField();

t1.setBounds(200,150,150,30);

String vv1="^[a-zA-Z]{0,10}$";

t1.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv1);

Matcher mt= pt.matcher(t1.getText());

if(mt.matches())

{

v1.setText("true");

v1.setForeground(Color.green);

}

else

{

v1.setText("No Match Validation");

v1.setForeground(Color.red);

}

}

});

add(t1);

id3=new JLabel("Father Name");

id3.setBounds(400,150,200,30);

id3.setFont(new Font("serif",Font.BOLD,20));

add(id3);

v2= new JLabel("");

v2.setBounds(600,175,100,30);

v2.setForeground(Color.red);

v2.setFont(new Font("serif",Font.BOLD,12));

add(v2);

t2=new JTextField();

t2.setBounds(600,150,150,30);

String vv2="^[a-zA-Z]{0,11}$";

t2.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv2);

Matcher mt= pt.matcher(t2.getText());

if(mt.matches())

{

v2.setText("true");

v2.setForeground(Color.green);

}

else

{

v2.setText("No Match Validation");

v2.setForeground(Color.red);

}

}

});

add(t2);

id4=new JLabel("Age");

id4.setBounds(50,200,150,30);

id4.setFont(new Font("serif",Font.BOLD,20));

add(id4);

v3= new JLabel("");

v3.setBounds(200,225,100,30);

v3.setForeground(Color.red);

v3.setFont(new Font("serif",Font.BOLD,12));

add(v3);

t3=new JTextField();

t3.setBounds(200,200,150,30);

String vv3="^[0-9]{1,3}$";

t3.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv3);

Matcher mt= pt.matcher(t3.getText());

if(mt.matches())

{

v3.setText("true");

v3.setForeground(Color.green);

}

else

{

v3.setText("No Match Validation");

v3.setForeground(Color.red);

}

}

});

add(t3);

id5=new JLabel("DOB(dd/mm/yyyy)");

id5.setBounds(400,200,200,30);

id5.setFont(new Font("serif",Font.BOLD,20));

add(id5);

v4= new JLabel("");

v4.setBounds(600,225,100,30);

v4.setForeground(Color.red);

v4.setFont(new Font("serif",Font.BOLD,12));

add(v4);

ch = new JDateChooser();

ch.setBounds(600,200,150,30);

ch.setDateFormatString("dd/MM/yyyy");

add(ch);

id6=new JLabel("Address");

id6.setBounds(50,250,100,30);

id6.setFont(new Font("serif",Font.BOLD,20));

add(id6);

v5= new JLabel("");

v5.setBounds(200,275,100,30);

v5.setForeground(Color.red);

v5.setFont(new Font("serif",Font.BOLD,12));

add(v5);

t5=new JTextField();

t5.setBounds(200,250,150,30);

String vv5="^[a-zA-Z]{0,50}$";

t5.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv5);

Matcher mt= pt.matcher(t5.getText());

if(mt.matches())

{

v5.setText("true");

v5.setForeground(Color.green);

}

else

{

v5.setText("No Match Validation");

v5.setForeground(Color.red);

}

}

});

add(t5);

id7=new JLabel("Mobileno");

id7.setBounds(400,250,200,30);

id7.setFont(new Font("serif",Font.BOLD,20));

add(id7);

v6= new JLabel("");

v6.setBounds(600,275,100,30);

v6.setForeground(Color.red);

v6.setFont(new Font("serif",Font.BOLD,12));

add(v6);

t6=new JTextField();

t6.setBounds(600,250,150,30);

String vv6="^[0-9]{10,10}$";

t6.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv6);

Matcher mt= pt.matcher(t6.getText());

if(mt.matches())

{

v6.setText("true");

v6.setForeground(Color.green);

}

else

{

v6.setText("No Match Validation");

v6.setForeground(Color.red);

}

}

});

add(t6);

id8=new JLabel("Email Id");

id8.setBounds(50,300,100,30);

id8.setFont(new Font("serif",Font.BOLD,20));

add(id8);

v7= new JLabel("");

v7.setBounds(200,325,100,30);

v7.setForeground(Color.red);

v7.setFont(new Font("serif",Font.BOLD,12));

add(v7);

t7=new JTextField();

t7.setBounds(200,300,150,30);

String vv7="^(.+)@(.+).(.+)$";

t7.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv7);

Matcher mt= pt.matcher(t7.getText());

if(mt.matches())

{

v7.setText("true");

v7.setForeground(Color.green);

}

else

{

v7.setText("No Match Validation");

v7.setForeground(Color.red);

}

}

});

add(t7);

id9=new JLabel("Class X(%)");

id9.setBounds(400,300,130,30);

id9.setFont(new Font("serif",Font.BOLD,20));

add(id9);

v8= new JLabel("");

v8.setBounds(600,325,100,30);

v8.setForeground(Color.red);

v8.setFont(new Font("serif",Font.BOLD,12));

add(v8);

t8=new JTextField();

t8.setBounds(600,300,150,30);

String vv8="^[0-9]{0,2}[.][0-9]{0,2}$";

t8.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv8);

Matcher mt= pt.matcher(t8.getText());

if(mt.matches())

{

v8.setText("true");

v8.setForeground(Color.green);

}

else

{

v8.setText("No Match Validation");

v8.setForeground(Color.red);

}

}

});

add(t8);

id10=new JLabel("Class Xll(%)");

id10.setBounds(50,350,150,30);

id10.setFont(new Font("serif",Font.BOLD,20));

add(id10);

v9= new JLabel("");

v9.setBounds(200,375,100,30);

v9.setForeground(Color.red);

v9.setFont(new Font("serif",Font.BOLD,12));

add(v9);

t9=new JTextField();

t9.setBounds(200,350,150,30);

String vv9="^[0-9]{0,2}[.][0-9]{0,2}$";

t9.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv9);

Matcher mt= pt.matcher(t9.getText());

if(mt.matches())

{

v9.setText("true");

v9.setForeground(Color.green);

}

else

{

v9.setText("No Match Validation");

v9.setForeground(Color.red);

}

}

});

add(t9);

id11=new JLabel("Aadhar NO");

id11.setBounds(400,350,100,30);

id11.setFont(new Font("serif",Font.BOLD,20));

add(id11);

v10= new JLabel("");

v10.setBounds(600,375,100,30);

v10.setForeground(Color.red);

v10.setFont(new Font("serif",Font.BOLD,12));

add(v10);

t10=new JTextField();

t10.setBounds(600,350,150,30);

String vv10="^[0-9]{12,12}$";

t10.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv10);

Matcher mt= pt.matcher(t10.getText());

if(mt.matches())

{

v10.setText("true");

v10.setForeground(Color.green);

}

else

{

v10.setText("No Match Validation");

v10.setForeground(Color.red);

}

}

});

add(t10);

id12=new JLabel("RollNO");

id12.setBounds(50,400,150,30);

id12.setFont(new Font("serif",Font.BOLD,20));

add(id12);

v11= new JLabel("");

v11.setBounds(200,425,100,30);

v11.setForeground(Color.red);

v11.setFont(new Font("serif",Font.BOLD,12));

add(v11);

t11=new JTextField();

t11.setBounds(200,400,150,30);

String vv11="^[0-9]{0,4}$";

t11.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv11);

Matcher mt= pt.matcher(t11.getText());

if(mt.matches())

{

v11.setText("true");

v11.setForeground(Color.green);

}

else

{

v11.setText("No Match Validation");

v11.setForeground(Color.red);

}

}

});

add(t11);

lb=new JLabel("Cource");

lb.setBounds(400,400,150,30);

lb.setFont(new Font("serif",Font.BOLD,20));

add(lb);

String cource[] = {"Bca","Bsc-It","Bsc"};

c1=new JComboBox(cource);

c1.setBackground(Color.white);

c1.setBounds(600,400,150,30);

add(c1);

lb1=new JLabel("Brance");

lb1.setBounds(50,450,150,30);

lb1.setFont(new Font("serif",Font.BOLD,20));

add(lb1);

String branch[]={"Computer","science"};

c2=new JComboBox(branch);

c2.setBackground(Color.white);

c2.setBounds(200,450,150,30);

add(c2);

b=new JButton("Submit");

b.setBackground(Color.BLACK);

b.setForeground(Color.white);

b.setBounds(250,550,150,40);

add(b);

b1=new JButton("Cancle");

b1.setBackground(Color.BLACK);

b1.setForeground(Color.white);

b1.setBounds(450,550,150,40);

add(b1);

b.addActionListener(this);

b1.addActionListener(this);

ImageIcon i2=new ImageIcon(getClass().getResource("/collage\_management/icon/st1.jpeg"));

Image i1=i2.getImage().getScaledInstance(900, 650,Image.SCALE\_DEFAULT);

ImageIcon i3=new ImageIcon(i1);

JLabel m1=new JLabel("",i3,JLabel.LEFT);

m1.setBounds(0,0,900,650);

add(m1);

setVisible(true);

}

public void actionPerformed(ActionEvent ae){

if(ae.getSource()==b){

if(t1.getText().isEmpty() || t2.getText().isEmpty() || t3.getText().isEmpty() || ch.getDate().toString().isEmpty() || t5.getText().isEmpty() || t6.getText().isEmpty() || t7.getText().isEmpty() )

{

JOptionPane.showMessageDialog(null,"all field requred !!");

}

else

{

String eq="true";

if(v1.getText().equals(eq) && v2.getText().equals(eq) && v3.getText().equals(eq) && v5.getText().equals(eq) && v6.getText().equals(eq) && v7.getText().equals(eq) && v8.getText().equals(eq) && v9.getText().equals(eq) && v10.getText().equals(eq) && v11.getText().equals(eq))

{

try{

conn con=new conn();

String dod=((JTextField)ch.getDateEditor().getUiComponent()).getText();

String str="update addstudent set name='"+t1.getText()+"',fathers\_name='"+t2.getText()+"',age='"+t3.getText()+"',dob='"+dod+"',address='"+t5.getText()+"',phone='"+t6.getText()+"',email='"+t7.getText()+"',class\_x='"+t8.getText()+"',class\_xii='"+t9.getText()+"',aadhar='"+t10.getText()+"',rollno='"+t11.getText()+"',course='"+c1.getSelectedItem()+"',branch='"+c2.getSelectedItem()+"'";

con.s.executeUpdate(str);

JOptionPane.showMessageDialog(null,"Successfully Update");

setVisible(false);

new StudentDetail().setVisible(true);

}catch(Exception e){

System.out.println(e);

}

}

else{

JOptionPane.showMessageDialog(null,"input data invalid");

}

}

}

if(ae.getSource()==b1){

setVisible(false);

// new Project().setVisible(true);

}

if(ae.getSource()==b2){

v1.setText("true");

v1.setForeground(Color.CYAN);

v2.setText("true");

v2.setForeground(Color.CYAN);

v3.setText("true");

v3.setForeground(Color.CYAN);

v4.setText("true");

v4.setForeground(Color.CYAN);

v5.setText("true");

v5.setForeground(Color.CYAN);

v6.setText("true");

v6.setForeground(Color.CYAN);

v7.setText("true");

v7.setForeground(Color.CYAN);

v8.setText("true");

v8.setForeground(Color.CYAN);

v9.setText("true");

v9.setForeground(Color.CYAN);

v10.setText("true");

v10.setForeground(Color.CYAN);

v11.setText("true");

v11.setForeground(Color.CYAN);

try{

conn con=new conn();

String str="select \* from addstudent where rollno='"+c11.getSelectedItem()+"'";

ResultSet rs=con.s.executeQuery(str);

if(rs.next()){

//f.setVisible(true);

t1.setText(rs.getString(1));

t2.setText(rs.getString(2));

t3.setText(rs.getString(3));

String ddd=(rs.getString(4));

((JTextField)ch.getDateEditor().getUiComponent()).setText(ddd);

t5.setText(rs.getString(5));

t6.setText(rs.getString(6));

t7.setText(rs.getString(7));

t8.setText(rs.getString(8));

t9.setText(rs.getString(9));

t10.setText(rs.getString(10));

t11.setText(rs.getString(11));

t13.setText(rs.getString(12));

t14.setText(rs.getString(13));

}

}

catch(Exception e){}

}

}

public static void main(String[] args) {

new UpdateStudent().setVisible(true);

}

}

9) update Teacher-:



package collage\_management;

import com.toedter.calendar.JDateChooser;

import java.sql.\*;

import java.awt.\*;

import java.lang.\*;

import javax.swing.\*;

import java.awt.event.\*;

import java.text.DateFormat;

import java.text.SimpleDateFormat;

import java.util.regex.Matcher;

import java.util.regex.Pattern;

import java.util.Date.\*;

public class UpdateTeacher extends JFrame implements ActionListener{

JLabel id,id1,id2,id3,id4,id5,id6,id7,id8,id9,id10,id11,id12,id15,lb,lb1,lb2;

JTextField t,t1,t2,t3,t5,t6,t7,t8,t9,t10,t11,t12,t13,t14;

JButton b,b1,b2;

JLabel v1,v2,v3,v4,v5,v6,v7,v8,v9,v10,v11;

String rollno;

Choice c11;

JComboBox c1,c2;

JDateChooser ch;

UpdateTeacher(){

new JFrame("Add Student");

setBackground(Color.white);

setLayout(null);

JLabel l1=new JLabel("Enter Emp\_Id to Update the data of Teacher");

l1.setBounds(40,85,380,50);

l1.setFont(new Font("serif",Font.ITALIC |Font.BOLD,20));

add(l1);

c11=new Choice();

c11.setForeground(new Color(23,45,75));

c11.setFont(new Font("Trebuchet MS",Font.BOLD,14));

try{

conn c=new conn();

ResultSet rs=c.s.executeQuery("select \* from add\_teacher");

while(rs.next()){

c11.add(rs.getString("emp\_id"));

}

}

catch(Exception e){}

c11.setBounds(430,100,200,30);

add(c11);

b2=new JButton("Update");

b2.setBackground(Color.black);

b2.setForeground(Color.white);

b2.setBounds(650,100,100,30);

add(b2);

b2.addActionListener(this);

id8=new JLabel("Update Teacher Details");

id8.setBounds(250,10,400,50);

id8.setFont(new Font("serif",Font.ITALIC,40));

id8.setForeground(Color.black);

add(id8);

id2=new JLabel("Name");

id2.setBounds(50,150,100,30);

id2.setFont(new Font("serif",Font.BOLD,20));

add(id2);

v1= new JLabel("");

v1.setBounds(200,175,100,30);

v1.setForeground(Color.red);

v1.setFont(new Font("serif",Font.BOLD,12));

add(v1);

t1=new JTextField();

t1.setBounds(200,150,150,30);

String vv1="^[a-zA-Z]{0,10}$";

t1.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv1);

Matcher mt= pt.matcher(t1.getText());

if(mt.matches())

{

v1.setText("true");

v1.setForeground(Color.green);

}

else

{

v1.setText("No Match Validation");

v1.setForeground(Color.red);

}

}

});

add(t1);

id3=new JLabel("Father Name");

id3.setBounds(400,150,200,30);

id3.setFont(new Font("serif",Font.BOLD,20));

add(id3);

v2= new JLabel("");

v2.setBounds(600,175,100,30);

v2.setForeground(Color.red);

v2.setFont(new Font("serif",Font.BOLD,12));

add(v2);

t2=new JTextField();

t2.setBounds(600,150,150,30);

String vv2="^[a-zA-Z]{0,11}$";

t2.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv2);

Matcher mt= pt.matcher(t2.getText());

if(mt.matches())

{

v2.setText("true");

v2.setForeground(Color.green);

}

else

{

v2.setText("No Match Validation");

v2.setForeground(Color.red);

}

}

});

add(t2);

id4=new JLabel("Age");

id4.setBounds(50,200,150,30);

id4.setFont(new Font("serif",Font.BOLD,20));

add(id4);

v3= new JLabel("");

v3.setBounds(200,225,100,30);

v3.setForeground(Color.red);

v3.setFont(new Font("serif",Font.BOLD,12));

add(v3);

t3=new JTextField();

t3.setBounds(200,200,150,30);

String vv3="^[0-9]{1,3}$";

t3.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv3);

Matcher mt= pt.matcher(t3.getText());

if(mt.matches())

{

v3.setText("true");

v3.setForeground(Color.green);

}

else

{

v3.setText("No Match Validation");

v3.setForeground(Color.red);

}

}

});

add(t3);

id5=new JLabel("DOB(dd/mm/yy)");

id5.setBounds(400,200,200,30);

id5.setFont(new Font("serif",Font.BOLD,20));

add(id5);

v4= new JLabel("");

v4.setBounds(600,225,100,30);

v4.setForeground(Color.red);

v4.setFont(new Font("serif",Font.BOLD,12));

add(v4);

ch = new JDateChooser();

ch.setBounds(600,200,150,30);

ch.setDateFormatString("dd/MM/yyyy");

add(ch);

id6=new JLabel("Address");

id6.setBounds(50,250,100,30);

id6.setFont(new Font("serif",Font.BOLD,20));

add(id6);

v5= new JLabel("");

v5.setBounds(200,275,100,30);

v5.setForeground(Color.red);

v5.setFont(new Font("serif",Font.BOLD,12));

add(v5);

t5=new JTextField();

t5.setBounds(200,250,150,30);

String vv5="^[a-zA-Z]{0,50}$";

t5.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv5);

Matcher mt= pt.matcher(t5.getText());

if(mt.matches())

{

v5.setText("true");

v5.setForeground(Color.green);

}

else

{

v5.setText("No Match Validation");

v5.setForeground(Color.red);

}

}

});

add(t5);

id7=new JLabel("Mobileno");

id7.setBounds(400,250,200,30);

id7.setFont(new Font("serif",Font.BOLD,20));

add(id7);

v6= new JLabel("");

v6.setBounds(600,275,100,30);

v6.setForeground(Color.red);

v6.setFont(new Font("serif",Font.BOLD,12));

add(v6);

t6=new JTextField();

t6.setBounds(600,250,150,30);

String vv6="^[0-9]{10,10}$";

t6.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv6);

Matcher mt= pt.matcher(t6.getText());

if(mt.matches())

{

v6.setText("true");

v6.setForeground(Color.green);

}

else

{

v6.setText("No Match Validation");

v6.setForeground(Color.red);

}

}

});

add(t6);

id8=new JLabel("Email Id");

id8.setBounds(50,300,100,30);

id8.setFont(new Font("serif",Font.BOLD,20));

add(id8);

v7= new JLabel("");

v7.setBounds(200,325,100,30);

v7.setForeground(Color.red);

v7.setFont(new Font("serif",Font.BOLD,12));

add(v7);

t7=new JTextField();

t7.setBounds(200,300,150,30);

String vv7="^(.+)@(.+).(.+)$";

t7.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv7);

Matcher mt= pt.matcher(t7.getText());

if(mt.matches())

{

v7.setText("true");

v7.setForeground(Color.green);

}

else

{

v7.setText("No Match Validation");

v7.setForeground(Color.red);

}

}

});

add(t7);

id9=new JLabel("Class X(%)");

id9.setBounds(400,300,130,30);

id9.setFont(new Font("serif",Font.BOLD,20));

add(id9);

v8= new JLabel("");

v8.setBounds(600,325,100,30);

v8.setForeground(Color.red);

v8.setFont(new Font("serif",Font.BOLD,12));

add(v8);

t8=new JTextField();

t8.setBounds(600,300,150,30);

String vv8="^[0-9]{0,2}[.][0-9]{0,2}$";

t8.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv8);

Matcher mt= pt.matcher(t8.getText());

if(mt.matches())

{

v8.setText("true");

v8.setForeground(Color.green);

}

else

{

v8.setText("No Match Validation");

v8.setForeground(Color.red);

}

}

});

add(t8);

id10=new JLabel("Class Xll(%)");

id10.setBounds(50,350,150,30);

id10.setFont(new Font("serif",Font.BOLD,20));

add(id10);

v9= new JLabel("");

v9.setBounds(200,375,100,30);

v9.setForeground(Color.red);

v9.setFont(new Font("serif",Font.BOLD,12));

add(v9);

t9=new JTextField();

t9.setBounds(200,350,150,30);

String vv9="^[0-9]{0,2}[.][0-9]{0,2}$";

t9.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv9);

Matcher mt= pt.matcher(t9.getText());

if(mt.matches())

{

v9.setText("true");

v9.setForeground(Color.green);

}

else

{

v9.setText("No Match Validation");

v9.setForeground(Color.red);

}

}

});

add(t9);

id11=new JLabel("Aadhar NO");

id11.setBounds(400,350,100,30);

id11.setFont(new Font("serif",Font.BOLD,20));

add(id11);

v10= new JLabel("");

v10.setBounds(600,375,100,30);

v10.setForeground(Color.red);

v10.setFont(new Font("serif",Font.BOLD,12));

add(v10);

t10=new JTextField();

t10.setBounds(600,350,150,30);

String vv10="^[0-9]{12,12}$";

t10.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv10);

Matcher mt= pt.matcher(t10.getText());

if(mt.matches())

{

v10.setText("true");

v10.setForeground(Color.green);

}

else

{

v10.setText("No Match Validation");

v10.setForeground(Color.red);

}

}

});

add(t10);

id12=new JLabel("Employee No");

id12.setBounds(50,400,150,30);

id12.setFont(new Font("serif",Font.BOLD,20));

add(id12);

v11= new JLabel("");

v11.setBounds(200,425,100,30);

v11.setForeground(Color.red);

v11.setFont(new Font("serif",Font.BOLD,12));

add(v11);

t11=new JTextField();

t11.setBounds(200,400,150,30);

String vv11="^[0-9]{0,4}$";

t11.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke)

{

Pattern pt= Pattern.compile(vv11);

Matcher mt= pt.matcher(t11.getText());

if(mt.matches())

{

v11.setText("true");

v11.setForeground(Color.green);

}

else

{

v11.setText("No Match Validation");

v11.setForeground(Color.red);

}

}

});

add(t11);

lb=new JLabel("Cource");

lb.setBounds(400,400,150,30);

lb.setFont(new Font("serif",Font.BOLD,20));

add(lb);

String cource[] = {"Bca","Bsc-It","Bsc"};

c1=new JComboBox(cource);

c1.setBackground(Color.white);

c1.setBounds(600,400,150,30);

add(c1);

lb1=new JLabel("Brance");

lb1.setBounds(50,450,150,30);

lb1.setFont(new Font("serif",Font.BOLD,20));

add(lb1);

String branch[]={"Computer","science"};

c2=new JComboBox(branch);

c2.setBackground(Color.white);

c2.setBounds(200,450,150,30);

add(c2);

b=new JButton("Submit");

b.setBackground(Color.BLACK);

b.setForeground(Color.white);

b.setBounds(250,550,150,40);

add(b);

b1=new JButton("Cancle");

b1.setBackground(Color.BLACK);

b1.setForeground(Color.white);

b1.setBounds(450,550,150,40);

add(b1);

b.addActionListener(this);

b1.addActionListener(this);

ImageIcon i2=new ImageIcon(getClass().getResource("/collage\_management/icon/fifth.jpg"));

Image i1=i2.getImage().getScaledInstance(800, 700,Image.SCALE\_DEFAULT);

ImageIcon i3=new ImageIcon(i1);

JLabel m1=new JLabel("",i3,JLabel.LEFT);

m1.setBounds(0,0,800,700);

add(m1);

setVisible(true);

setSize(800,700);

Dimension dn =Toolkit.getDefaultToolkit().getScreenSize();

int xx1=dn.width/2-this.getWidth()/2;

int yy1=dn.height/2-this.getHeight()/2;

setLocation(xx1,yy1);

}

public void actionPerformed(ActionEvent ae){

if(ae.getSource()==b){

if(t1.getText().isEmpty() || t2.getText().isEmpty() || t3.getText().isEmpty() || ch.getDate().toString().isEmpty() || t5.getText().isEmpty() || t6.getText().isEmpty() || t7.getText().isEmpty() )

{

JOptionPane.showMessageDialog(null,"all field requred !!");

}

else

{

String eq="true";

if(v1.getText().equals(eq) && v2.getText().equals(eq) && v3.getText().equals(eq) && v5.getText().equals(eq) && v6.getText().equals(eq) && v7.getText().equals(eq) && v8.getText().equals(eq) && v9.getText().equals(eq) && v10.getText().equals(eq) && v11.getText().equals(eq))

{

try{

conn con=new conn();

String dod=((JTextField)ch.getDateEditor().getUiComponent()).getText();

String str="update add\_teacher set name='"+t1.getText()+"',fathers\_name='"+t2.getText()+"',age='"+t3.getText()+"',dob='"+dod+"',address='"+t5.getText()+"',phone='"+t6.getText()+"',email='"+t7.getText()+"',class\_x='"+t8.getText()+"',class\_xii='"+t9.getText()+"',aadhar='"+t10.getText()+"',emp\_id='"+t11.getText()+"',course='"+c1.getSelectedItem()+"',dept='"+c2.getSelectedItem()+"'";

con.s.executeUpdate(str);

JOptionPane.showMessageDialog(null,"Successfully Update");

setVisible(false);

new TeacherDetail().setVisible(true);

}catch(Exception e){

System.out.println(e);

}

}

else

{

JOptionPane.showMessageDialog(null,"invalid data inputs");

}

}

}

if(ae.getSource()==b1){

setVisible(false);

// new Project().setVisible(true);

}

if(ae.getSource()==b2){

v1.setText("true");

v1.setForeground(Color.CYAN);

v2.setText("true");

v2.setForeground(Color.CYAN);

v3.setText("true");

v3.setForeground(Color.CYAN);

v4.setText("true");

v4.setForeground(Color.CYAN);

v5.setText("true");

v5.setForeground(Color.CYAN);

v6.setText("true");

v6.setForeground(Color.CYAN);

v7.setText("true");

v7.setForeground(Color.CYAN);

v8.setText("true");

v8.setForeground(Color.CYAN);

v9.setText("true");

v9.setForeground(Color.CYAN);

v10.setText("true");

v10.setForeground(Color.CYAN);

v11.setText("true");

v11.setForeground(Color.CYAN);

try{

conn con=new conn();

String str="select \* from add\_teacher where emp\_id='"+c11.getSelectedItem()+"'";

ResultSet rs=con.s.executeQuery(str);

if(rs.next()){

t1.setText(rs.getString(1));

t2.setText(rs.getString(2));

t3.setText(rs.getString(3));

String ddd=(rs.getString(4));

((JTextField)ch.getDateEditor().getUiComponent()).setText(ddd);

t5.setText(rs.getString(5));

t6.setText(rs.getString(6));

t7.setText(rs.getString(7));

t8.setText(rs.getString(8));

t9.setText(rs.getString(9));

t10.setText(rs.getString(10));

t11.setText(rs.getString(11));

String c111= rs.getString(12);

c1.setSelectedItem(c111);

String c222=rs.getString(13);

c2.setSelectedItem(c222);

}

}

catch(Exception e){}

}

}

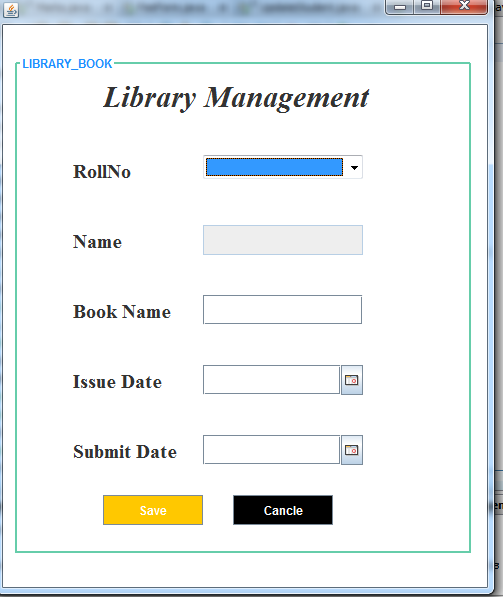
public static void main(String[] args) {

new UpdateTeacher().setVisible(true);

}

}

10).Library



package collage\_management;

import com.toedter.calendar.JDateChooser;

import java.sql.\*;

import java.awt.\*;

import javax.swing.\*;

import java.awt.event.\*;

import javax.swing.border.EmptyBorder;

import javax.swing.border.LineBorder;

import javax.swing.border.TitledBorder;

public class Library extends JFrame implements ActionListener,ItemListener{

JLabel l1,l2,l3,l4,l5,l6;

JTextField t1,t2,t3,t4,t5;

JButton b1,b2;

Choice c1,c2;

JPanel contentPane;

JDateChooser ch,ch2;

public Library(){

contentPane=new JPanel();

contentPane.setBorder(new EmptyBorder(5,5,5,5));

setContentPane(contentPane);

contentPane.setLayout(null);

setSize(500,600);

setLayout(null);

Dimension dn =Toolkit.getDefaultToolkit().getScreenSize();

int xx1=dn.width/2-this.getWidth()/2;

int yy1=dn.height/2-this.getHeight()/2;

setLocation(xx1,yy1);

l6=new JLabel("Library Management");

l6.setFont(new Font("serif",Font.ITALIC| Font.BOLD,30));

l6.setBounds(100,20,300,100);

add(l6);

l2=new JLabel("RollNo");

l2.setBounds(70,130,100,30);

l2.setFont(new Font("serif",Font.BOLD,20));

add(l2);

c2=new Choice();

c2.setForeground(new Color(23,45,75));

c2.setFont(new Font("Trebuchet MS",Font.BOLD,14));

c2.addItemListener(this);

try{

conn c=new conn();

ResultSet rs=c.s.executeQuery("select \* from AddStudent");

while(rs.next()){

c2.add(rs.getString("Rollno"));

}

}

catch(Exception e){}

c2.setBounds(200,130,160,50);

add(c2);

l1=new JLabel("Name");

l1.setBounds(70,200,100,30);

l1.setFont(new Font("serif",Font.BOLD,20));

add(l1);

t2=new JTextField();

t2.setForeground(new Color(23,45,75));

t2.setBounds(200,200,160,30);

t2.setEditable(false);

t2.setFont(new Font("Trebuchet MS",Font.BOLD,14));

add(t2);

l3=new JLabel("Book Name");

l3.setBounds(70,270,200,30);

l3.setFont(new Font("serif",Font.BOLD,20));

add(l3);

t3=new JTextField();

t3.setBounds(200,270,160,30);

t3.setFont(new Font("serif",Font.BOLD,20));

add(t3);

l4=new JLabel("Issue Date");

l4.setBounds(70,340,200,30);

l4.setFont(new Font("serif",Font.BOLD,20));

add(l4);

ch = new JDateChooser();

ch.setDateFormatString("dd/MM/yyyy");

ch.setBounds(200,340,160,30);

ch.setFont(new Font("serif",Font.BOLD,15));

add(ch);

l5=new JLabel("Submit Date");

l5.setBounds(70,410,200,30);

l5.setFont(new Font("serif",Font.BOLD,20));

add(l5);

ch2 = new JDateChooser();

ch2.setDateFormatString("dd/MM/yyyy");

ch2.setBounds(200,410,160,30);

ch2.setFont(new Font("serif",Font.BOLD,15));

add(ch2);

b1=new JButton("Save");

b1.setBackground(Color.orange);

b1.setForeground(Color.white);

b1.setBounds(100,470,100,30);

add(b1);

b2=new JButton("Cancle");

b2.setBackground(Color.black);

b2.setForeground(Color.white);

b2.setBounds(230,470,100,30);

add(b2);

b1.addActionListener(this);

b2.addActionListener(this);

JPanel panel=new JPanel();

panel.setBorder(new TitledBorder(new LineBorder(new Color(102,205,170),2,true),"LIBRARY\_BOOK",TitledBorder.LEADING,TitledBorder.TOP,null,new Color(30,144,255)));

panel.setBackground(new Color(34,56,255));

panel.setBounds(10,30,460,500);

contentPane.setBackground(Color.white);

panel.setBackground(Color.white);

contentPane.add(panel);

}

public void itemStateChanged(ItemEvent ae){

if(ae.getSource()==c2){

try{

conn c=new conn();

ResultSet rs=c.s.executeQuery("select \* from AddStudent where rollno='"+c2.getSelectedItem()+"'");

while(rs.next()){

t2.setText(rs.getString("name"));

}

}

catch(Exception e){}

}

}

public void actionPerformed(ActionEvent ae){

if(ae.getSource()==b1){

String empt="";

if(t2.getText().equals(empt) || t3.getText().equals(empt) || ch.getDate().equals(empt) || ch2.getDate().equals(empt))

{

JOptionPane.showMessageDialog(null,"Plase enter empty field in value");

}

else

{

try{

String st2=(String)c2.getSelectedItem();

String ddd1=((JTextField)ch.getDateEditor().getUiComponent()).getText();

String ddd2=((JTextField)ch2.getDateEditor().getUiComponent()).getText();

String st="insert into library values('"+t2.getText()+"','"+st2+"','"+t3.getText()+"','"+ddd1+"','"+ddd2+"')";

conn con=new conn();

int i= con.s.executeUpdate(st);

JOptionPane.showMessageDialog(null,"Successfully Insert ");

t2.setText("");

t3.setText("");

t4.setText("");

t5.setText("");

t1.requestFocus();

}

catch(Exception e){

System.out.println(e);

}

}

}

else{

System.exit(0);

}

}

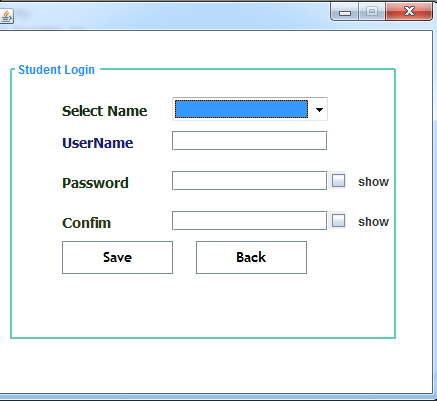
public static void main(String[] args) {

new Library().setVisible(true);

}

}

11) Sudent Login



package collage\_management;

import java.awt.\*;

import javax.swing.\*;

import javax.swing.border.\*;

import java.awt.event.\*;

import java.sql.\*;

import java.util.regex.\*;

public class S\_Login extends JFrame implements ActionListener{

private JPanel contentPane;

public JTextField t1;

JPasswordField t2,t3;

JCheckBox b3,b4;

JLabel l11,l12,v1,v2;

JButton b1,b2;

Choice c1;

public S\_Login(){

contentPane=new JPanel();

contentPane.setBorder(new EmptyBorder(5,5,5,5));

setContentPane(contentPane);

contentPane.setLayout(null);

setSize(450,400);

Dimension din=Toolkit.getDefaultToolkit().getScreenSize();

int x=din.width/2-this.getWidth()/2;

int y=din.height/2-this.getHeight()/2;

setLocation(x,y);

setResizable(false);

c1=new Choice();

c1.setForeground(new Color(23,45,75));

c1.setFont(new Font("Trebuchet MS",Font.BOLD,14));

try{

conn c=new conn();

ResultSet rs=c.s.executeQuery("select \* from addstudent");

while(rs.next()){

c1.add(rs.getString("Rollno"));

}

}

catch(Exception e){}

JLabel l1=new JLabel("Select Name");

l1.setForeground(new Color(23,45,17));

l1.setFont(new Font("Tahoma",Font.BOLD,14));

l1.setBounds(64,63,102,32);

contentPane.add(l1);

JLabel l2=new JLabel("UserName");

l2.setForeground(new Color(25,25,112));

l2.setFont(new Font("Tahoma",Font.BOLD,14));

l2.setBounds(64,100,102,22);

contentPane.add(l2);

JLabel l3=new JLabel("Password");

l3.setForeground(new Color(23,55,17));

l3.setFont(new Font("Tahoma",Font.BOLD,14));

l3.setBounds(64,140,102,22);

contentPane.add(l3);

JLabel l4=new JLabel("Confim");

l4.setForeground(new Color(43,55,17));

l4.setFont(new Font("Tahoma",Font.BOLD,14));

l4.setBounds(64,180,102,22);

contentPane.add(l4);

c1.setBounds(174,66,156,20);

contentPane.add(c1);

v2=new JLabel();

v2.setForeground(Color.red);

v2.setFont(new Font("Tahoma",Font.BOLD,12));

v2.setBounds(174,115,200,22);

contentPane.add(v2);

t1=new JTextField();

t1.setForeground(new Color(34,65,86));

t1.setFont(new Font("Trebuchat MS",Font.BOLD,14));

t1.setColumns(10);

t1.setBounds(174,100,156,20);

String st2="^[a-zA-Z]\\w{5,29}$";

t1.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke){

Pattern pt=Pattern.compile(st2);

Matcher mt=pt.matcher(t1.getText());

if(mt.matches()){

v2.setText("true");

v2.setForeground(Color.green);

}

else{

v2.setText("Input Strong Password");

v2.setForeground(Color.red);

}

}

});

contentPane.add(t1);

v1=new JLabel();

v1.setForeground(Color.red);

v1.setFont(new Font("Tahoma",Font.BOLD,12));

v1.setBounds(174,155,200,22);

contentPane.add(v1);

t2=new JPasswordField();

t2.setForeground(new Color(34,65,86));

t2.setFont(new Font("Trebuchat MS",Font.BOLD,14));

t2.setColumns(10);

t2.setBounds(174,140,156,20);

t2.setEchoChar('\*');

String st1="^(?=.\*\\d)(?=.\*[a-z])(?=.\*[A-Z])(?=.\*[@#$%]).{8,20}$";

t2.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke){

Pattern pt=Pattern.compile(st1);

Matcher mt=pt.matcher(t2.getText());

if(mt.matches()){

v1.setText("true");

v1.setForeground(Color.green);

}

else{

v1.setText("Input Strong Password");

v1.setForeground(Color.red);

}

}

});

contentPane.add(t2);

b3= new JCheckBox();

b3.setBounds(330,140,18,18);

b3.addActionListener(this);

add(b3);

l11=new JLabel("show");

l11.setBounds(360,140,120,20);

add(l11);

t3=new JPasswordField();

t3.setForeground(new Color(34,65,86));

t3.setFont(new Font("Trebuchat MS",Font.BOLD,14));

t3.setColumns(10);

t3.setEchoChar('\*');

t3.setBounds(174,180,156,20);

contentPane.add(t3);

b4= new JCheckBox();

b4.setBounds(330,180,18,18);

b4.addActionListener(this);

add(b4);

l12=new JLabel("show");

l12.setBounds(360,180,120,20);

add(l12);

try{

conn c=new conn();

ResultSet rs=c.s.executeQuery("select \* from addstudent where emp\_id='"+c1.getSelectedItem()+"'");

while(rs.next()){

t2.setText(rs.getString("name"));

}

}

catch(Exception e){}

b1=new JButton ("Save");

b1.addActionListener(this);

b1.setForeground(Color.black);

b1.setFont(new Font("Trebuchet MS",Font.BOLD,14));

b1.setBounds(64,210,111,33);

b1.setBackground(Color.white);

contentPane.add(b1);

b2=new JButton ("Back");

b2.setFont(new Font("Trebuchet MS",Font.BOLD,14));

b2.setBounds(198,210,111,33);

b2.setBackground(Color.white);

b2.setForeground(Color.black);

b2.addActionListener(this);

contentPane.add(b2);

JPanel panel=new JPanel();

panel.setBorder(new TitledBorder(new LineBorder(new Color(102,205,170),2,true),"Student Login ",TitledBorder.LEADING,TitledBorder.TOP,null,new Color(30,144,255)));

panel.setBackground(new Color(34,56,255));

panel.setBounds(10,30,390,280);

contentPane.setBackground(Color.white);

panel.setBackground(Color.white);

contentPane.add(panel);

}

public void actionPerformed(ActionEvent ae){

if(ae.getSource()==b3)

{

if(l11.getText()=="show")

{

t2.setEchoChar((char)0);

l11.setText("hide");

}

else

{

t2.setEchoChar('\*');

l11.setText("show");

}

}

if(ae.getSource()==b4)

{

if(l12.getText()=="show")

{

t3.setEchoChar((char)0);

l12.setText("hide");

}

else

{

t3.setEchoChar('\*');

l12.setText("show");

}

}

if(ae.getSource()==b1){

String s11=t3.getText();

if(t1.getText().isEmpty()||t2.getText().isEmpty()){

JOptionPane.showMessageDialog(null,"Blank Filled Required");

}

else{

String ch="true";

String vv2=v2.getText();

String vv1=v1.getText();

if(vv1.equals(ch)&&vv2.equals(ch))

{

if(s11.equals(t2.getText())){

try{

conn con=new conn();

String s1="insert into S\_Log values(?,?)";

PreparedStatement st=con.c.prepareStatement(s1);

st.setString(1,t1.getText());

st.setString(2,t2.getText());

int i=st.executeUpdate();

if(i>0){

JOptionPane.showMessageDialog(null,"Successfully paid");

new Login().setVisible(true);

this.setVisible(false);

}

else{

JOptionPane.showMessageDialog(null,"Error");

}

}catch(Exception e){System.out.print(e); }

}

else{

JOptionPane.showMessageDialog(null,"eneter pasword not match");

}

}

}

}

if(ae.getSource()==b2){

this.setVisible(false);}

}

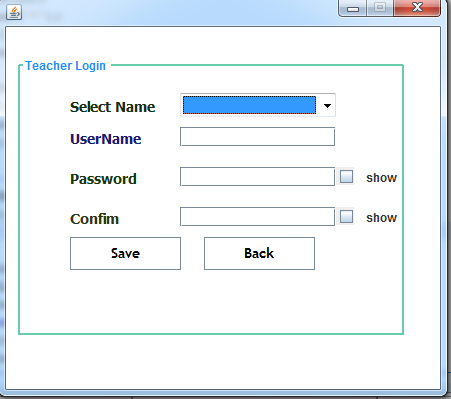
public static void main(String[] args) {

new S\_Login().setVisible(true);

}

}

12)Teacher Login



package collage\_management;

import java.awt.\*;

import javax.swing.\*;

import javax.swing.border.\*;

import java.awt.event.\*;

import java.sql.\*;

import java.util.regex.Matcher;

import java.util.regex.Pattern;

public class T\_Login extends JFrame implements ActionListener{

private JPanel contentPane;

public JTextField t1;

JCheckBox b3,b4;

JPasswordField t2,t3;

JLabel l11,l12,v1,v2;

JButton b1,b2;

Choice c1;

public T\_Login(){

contentPane=new JPanel();

contentPane.setBorder(new EmptyBorder(5,5,5,5));

setContentPane(contentPane);

contentPane.setLayout(null);

setSize(450,400);

Dimension din=Toolkit.getDefaultToolkit().getScreenSize();

int x=din.width/2-this.getWidth()/2;

int y=din.height/2-this.getHeight()/2;

setLocation(x,y);

setResizable(false);

c1=new Choice();

c1.setForeground(new Color(23,45,75));

c1.setFont(new Font("Trebuchet MS",Font.BOLD,14));

try{

conn c=new conn();

ResultSet rs=c.s.executeQuery("select \* from add\_teacher");

while(rs.next()){

c1.add(rs.getString("emp\_id"));

}

}

catch(Exception e){}

JLabel l1=new JLabel("Select Name");

l1.setForeground(new Color(23,45,17));

l1.setFont(new Font("Tahoma",Font.BOLD,14));

l1.setBounds(64,63,102,32);

contentPane.add(l1);

JLabel l2=new JLabel("UserName");

l2.setForeground(new Color(25,25,112));

l2.setFont(new Font("Tahoma",Font.BOLD,14));

l2.setBounds(64,100,102,22);

contentPane.add(l2);

JLabel l3=new JLabel("Password");

l3.setForeground(new Color(23,55,17));

l3.setFont(new Font("Tahoma",Font.BOLD,14));

l3.setBounds(64,140,102,22);

contentPane.add(l3);

JLabel l4=new JLabel("Confim");

l4.setForeground(new Color(43,55,17));

l4.setFont(new Font("Tahoma",Font.BOLD,14));

l4.setBounds(64,180,102,22);

contentPane.add(l4);

c1.setBounds(174,66,156,20);

contentPane.add(c1);

v2=new JLabel();

v2.setForeground(Color.red);

v2.setFont(new Font("Tahoma",Font.BOLD,12));

v2.setBounds(174,115,200,22);

contentPane.add(v2);

t1=new JTextField();

t1.setForeground(new Color(34,65,86));

t1.setFont(new Font("Trebuchat MS",Font.BOLD,14));

t1.setColumns(10);

t1.setBounds(174,100,156,20);

String st2="^[a-zA-Z]\\w{5,29}$";

t1.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke){

Pattern pt=Pattern.compile(st2);

Matcher mt=pt.matcher(t1.getText());

if(mt.matches()){

v2.setText("true");

v2.setForeground(Color.green);

}

else{

v2.setText("Input Strong Password");

v2.setForeground(Color.red);

}

}

});

contentPane.add(t1);

v1=new JLabel();

v1.setForeground(Color.red);

v1.setFont(new Font("Tahoma",Font.BOLD,12));

v1.setBounds(174,155,200,22);

contentPane.add(v1);

t2=new JPasswordField();

t2.setForeground(new Color(34,65,86));

t2.setFont(new Font("Trebuchat MS",Font.BOLD,14));

t2.setColumns(10);

t2.setEchoChar('\*');

t2.setBounds(174,140,156,20);

String st1="^(?=.\*\\d)(?=.\*[a-z])(?=.\*[A-Z])(?=.\*[@#$%]).{8,20}$";

t2.addKeyListener(new KeyAdapter(){

public void keyReleased(KeyEvent ke){

Pattern pt=Pattern.compile(st1);

Matcher mt=pt.matcher(t2.getText());

if(mt.matches()){

v1.setText("true");

v1.setForeground(Color.green);

}

else{

v1.setText("Input Strong Password");

v1.setForeground(Color.red);

}

}

});

contentPane.add(t2);

b3= new JCheckBox();

b3.setBounds(330,140,18,18);

b3.addActionListener(this);

add(b3);

l11=new JLabel("show");

l11.setBounds(360,140,120,20);

add(l11);

t3=new JPasswordField();

t3.setForeground(new Color(34,65,86));

t3.setFont(new Font("Trebuchat MS",Font.BOLD,14));

t3.setColumns(10);

t3.setEchoChar('\*');

t3.setBounds(174,180,156,20);

contentPane.add(t3);

b4= new JCheckBox();

b4.setBounds(330,180,18,18);

b4.addActionListener(this);

add(b4);

l12=new JLabel("show");

l12.setBounds(360,180,120,20);

add(l12);

b1=new JButton ("Save");

b1.addActionListener(this);

b1.setForeground(Color.black);

b1.setFont(new Font("Trebuchet MS",Font.BOLD,14));

b1.setBounds(64,210,111,33);

b1.setBackground(Color.white);

contentPane.add(b1);

b2=new JButton ("Back");

b2.setFont(new Font("Trebuchet MS",Font.BOLD,14));

b2.setBounds(198,210,111,33);

b2.setBackground(Color.white);

b2.setForeground(Color.black);

b2.addActionListener(this);

contentPane.add(b2);

JPanel panel=new JPanel();

panel.setBorder(new TitledBorder(new LineBorder(new Color(102,205,170),2,true),"Teacher Login ",TitledBorder.LEADING,TitledBorder.TOP,null,new Color(30,144,255)));

panel.setBackground(new Color(34,56,255));

panel.setBounds(10,30,390,280);

contentPane.setBackground(Color.white);

panel.setBackground(Color.white);

contentPane.add(panel);

}

public void actionPerformed(ActionEvent ae){

try{

if(ae.getSource()==b3)

{

if(l11.getText()=="show")

{

t2.setEchoChar((char)0);

l11.setText("hide");

}

else

{

t2.setEchoChar('\*');

l11.setText("show");

}

}

if(ae.getSource()==b4)

{

if(l12.getText()=="show")

{

t3.setEchoChar((char)0);

l12.setText("hide");

}

else

{

t3.setEchoChar('\*');

l12.setText("show");

}

}

if(ae.getSource()==b1){

String s11=t3.getText();

if(t1.getText().isEmpty()||t2.getText().isEmpty()){

JOptionPane.showMessageDialog(null,"Blank Filled Required");

}

else{

String ch="true";

String vv2=v2.getText();

String vv1=v1.getText();

if(vv1.equals(ch)&&vv2.equals(ch))

{

if(s11.equals(t2.getText())){

try{

conn con=new conn();

String s1="insert into T\_Log values(?,?)";

PreparedStatement st=con.c.prepareStatement(s1);

st.setString(1,t1.getText());

st.setString(2,t2.getText());

int i=st.executeUpdate();

if(i>0){

JOptionPane.showMessageDialog(null,"Successfully paid");

new Login().setVisible(true);

this.setVisible(false);

}

else{

JOptionPane.showMessageDialog(null,"Error");

}

}catch(Exception e){System.out.print(e); }

}

else{

JOptionPane.showMessageDialog(null,"eneter pasword not match");

}

}

}

}

if(ae.getSource()==b2){

this.setVisible(false);}

}catch(Exception e){}

}

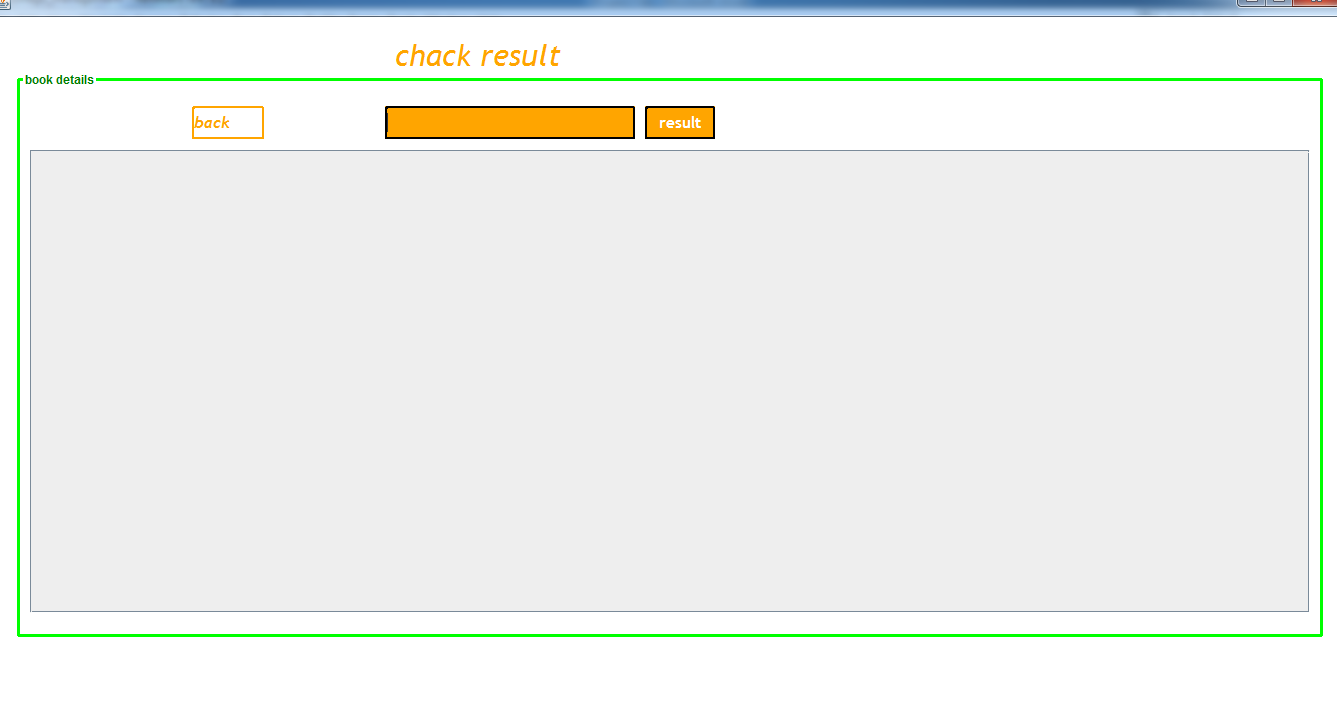
public static void main(String[] args) {

new T\_Login().setVisible(true);

}

}

13)Examination



package collage\_management;

import java.awt.\*;

import javax.swing.\*;

import java.awt.event.\*;

import net.proteanit.sql.DbUtils;

import javax.swing.border.\*;

import java.sql.\*;

import javax.swing.table.DefaultTableModel;

public class Examination extends JFrame implements ActionListener {

private JPanel contentPane;

private JTable table;

private JTextField search;

private JButton b1,b2,b3,b4;

public void Book()

{

try{

conn con= new conn();

String sql="select \* from addstudent";

PreparedStatement st= con.c.prepareStatement(sql);

ResultSet rs= st.executeQuery();

table.setModel(DbUtils.resultSetToTableModel(rs));

rs.close();

st.close();

con.c.close();

}

catch(Exception e)

{

}

}

public Examination()

{

Dimension dn =Toolkit.getDefaultToolkit().getScreenSize();

int x1 = dn.width+this.getWidth();

int y1 = dn.height+this.getHeight();

setSize(x1,y1);

contentPane=new JPanel();

contentPane.setBackground(Color.white);

contentPane.setBorder(new EmptyBorder(5,5,5,5));

setContentPane(contentPane);

contentPane.setLayout(null);

JScrollPane scrollpane= new JScrollPane();

scrollpane.setBounds(35,133,x1-80,y1-305);

contentPane.add(scrollpane);

table = new JTable();

table.addMouseListener(new MouseAdapter()

{

public void mouseClicked(MouseEvent arg0)

{

int row=table.getSelectedRow();

setBackground( new Color(255, 165, 12));

search.setText(table.getModel().getValueAt(row, 10).toString());

}

});

table.setBackground( new Color(255, 165, 0));

table.setForeground(Color.white);

table.setFont(new Font("Trebuchet MS",Font.BOLD,16));

scrollpane.setViewportView(table);

b1= new JButton("result");

b1.addActionListener(this);

b1.setBorder(new LineBorder(new Color(0,0,0),2,true));

b1.setForeground(Color.white);

b1.setBounds(650,89,70,33);

b1.setBackground(new Color(255, 165, 0));

b1.setFont(new Font("Trebuchet MS",Font.BOLD,16));

contentPane.add(b1);

JLabel l1= new JLabel("chack result");

l1.setForeground(new Color(255, 165, 0));

l1.setFont(new Font("Trebuchet MS",Font.ITALIC,30));

l1.setBounds(400,15,400,47);

contentPane.add(l1);

search= new JTextField();

search.setBackground(new Color(255, 165, 0));

search.setForeground(Color.white);

search.setBorder(new LineBorder(new Color(0,0,0),2,true));

search.setFont(new Font("Trebuchet MS",Font.BOLD|Font.ITALIC,16));

search.setBounds(390,89,250,33);

search.setColumns(10);

contentPane.add(search);

JLabel l3= new JLabel("back");

l3.addMouseListener(new MouseAdapter()

{

public void mouseClicked(MouseEvent arg0)

{

}

});

l3.setForeground(new Color(255, 165, 0));

l3.setFont(new Font("Trebuchet MS",Font.BOLD|Font.ITALIC,16));

l3.setBounds(197,89,72,33);

l3.setBorder(new LineBorder(new Color(255, 165, 0),2,true));

contentPane.add(l3);

JPanel panel = new JPanel();

panel.setBorder(new TitledBorder(new LineBorder(Color.GREEN,3,true),"book details",

TitledBorder.LEADING,TitledBorder.TOP,null,new Color(0,128,0)));

panel.setBounds(20,54,x1-50,y1-200);

panel.setBackground(Color.white);

contentPane.add(panel);

// search.setBackground( Color.CYAN);

Book();

}

public void actionPerformed(ActionEvent ae)

{

try{

conn con= new conn();

if(ae.getSource()== b1)

{

new Marks(search.getText()).setVisible(true);

this .setVisible(false);

};

}

catch(Exception e)

{

}

}

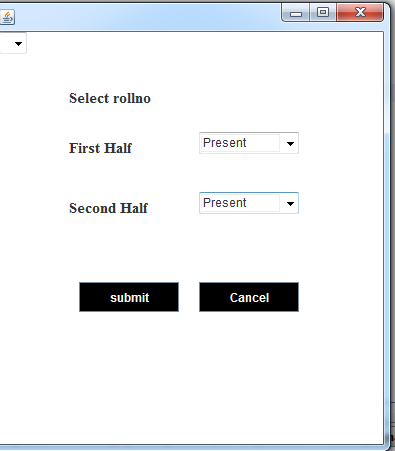
public static void main(String[] args) {

new Examination().setVisible(true);

}

}

14).Teacher Attendance



package collage\_management;

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.\*;

import java.sql.\*;

public class TeacherAttendance extends JFrame implements ActionListener {

JLabel l1,l2,l3,l4,l5,l6,l7;

JTextField t1,t2,t3,t4,t5,t6,t7;

JButton b1,b2;

Choice c2,fh,sh;

public TeacherAttendance(){

setVisible(true);

setSize(400,450);

Dimension dn =Toolkit.getDefaultToolkit().getScreenSize();

int xx1=dn.width/2-this.getWidth()/2;

int yy1=dn.height/2-this.getHeight()/2;

setLocation(xx1,yy1);

setLayout(null);

c2=new Choice();

try{

conn c=new conn();

ResultSet rs=c.s.executeQuery("select \* from add\_teacher");

while(rs.next()){

c2.add(rs.getString("emp\_id"));

c2.setBounds(200,50,100,30);

}

}catch(Exception e){}

l4=new JLabel("Select rollno");

l4.setBounds(70,50,100,30);

l4.setFont(new Font("serif",Font.BOLD,15));

add(l4);

add(c2);

l1=new JLabel("First Half");

l1.setBounds(70,100,100,30);

l1.setFont(new Font("serif",Font.BOLD,15));

fh=new Choice();

fh.add("Present");

fh.add("Absent");

fh.add("Leave");

fh.setBounds(200,100,100,50);

add(l1);

add(fh);

l2=new JLabel("Second Half");

l2.setBounds(70,160,100,30);

l2.setFont(new Font("serif",Font.BOLD,15));;

sh=new Choice();

sh.add("Present");

sh.add("Absent");

sh.add("Leave");

sh.setBounds(200,160,100,30);

add(l2);

add(sh);

b1=new JButton("submit");

b1.setBackground(Color.black);

b1.setForeground(Color.white);

b1.setBounds(80,250,100,30);

b2=new JButton("Cancel");

b2.setBackground(Color.black);

b2.setBounds(200,250,100,30);

b2.setForeground(Color.white);

b1.addActionListener(this);

b2.addActionListener(this);

add(b1);

add(b2);

getContentPane().setBackground(Color.white);

}

public void actionPerformed(ActionEvent ae){

if(ae.getSource()==b1){

String f=fh.getSelectedItem();

String s=sh.getSelectedItem();

String dt=new java.util.Date().toString();

String id=c2.getSelectedItem();

String qry="insert into attendance\_teacher values('"+id+"','"+dt+"','"+f+"','"+s+"')";

try{

conn c1=new conn();

int a= c1.s.executeUpdate(qry);

JOptionPane.showMessageDialog(null,"Attendance confimed");

this.setVisible(false);

}

catch(Exception ee){System.out.println(ee);}

}

if(ae.getSource()==b2){

this.setVisible(false);

// new Project().setVisible(true);

}}

public static void main(String[] args) {

TeacherAttendance sa=new TeacherAttendance();

// sa.setVisible(true);

// sa.setSize(400,450);

}

}

# REFERENCES

**BooksandWebsites:**

* Internet &WorldWideWeb:HowtoProgramDeitel,PJDeitel.
* CodeforInterviewYouTubeChannel.
* DatabaseSystemConcepts,bySilberschatz,Sudarshan,andKorth.
* FundamentalsofDatabaseSystems,RamezElmasriandShamkantB.Navathe,7thEdition.2017, Pearson...