

COIMBATORE INSTITUTE OF TECHNOLOGY

20MSS048 - JAVA PROGRAMMING LAB

FOURTH SEMESTER

STUDENT FEE PORTAL

Team Members:

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PROBLEM DESCRIPTION:

Our project Student Fee Portal helps us to pay the fee. Our project consists of admin, accountant & student sections. In admin section, we gave access to the admin to add accountant, view accountant & to logout from the portal. In add accountant section the admin has access to add new accountant to add the students. And the admin can view the accountant table. The next module is accountant section. In the accountant section he has access to add student, view the record of students, to update the record, to view the dues and to logout from the particular section. The last one is the student section and this one consists of paying the fee. And if any student having dues can only access the payment section. And in this project we can see the user – friendly interface that will be easier to access.

JAVA FEATURES:

Swings & JDBC connection.

Swings - Swing is a set of program components for Java programmers that provide the ability to create graphical user interface components, such as buttons and scroll bars, that are independent of the windowing system for specific operation.

JDBC - JDBC is a Java API to connect and execute the query with the database. It is a part of Java SE (Java Standard Edition). JDBC API uses JDBC drivers to connect with the database.

JDBC CONNECTIVITY PROCEDURE:

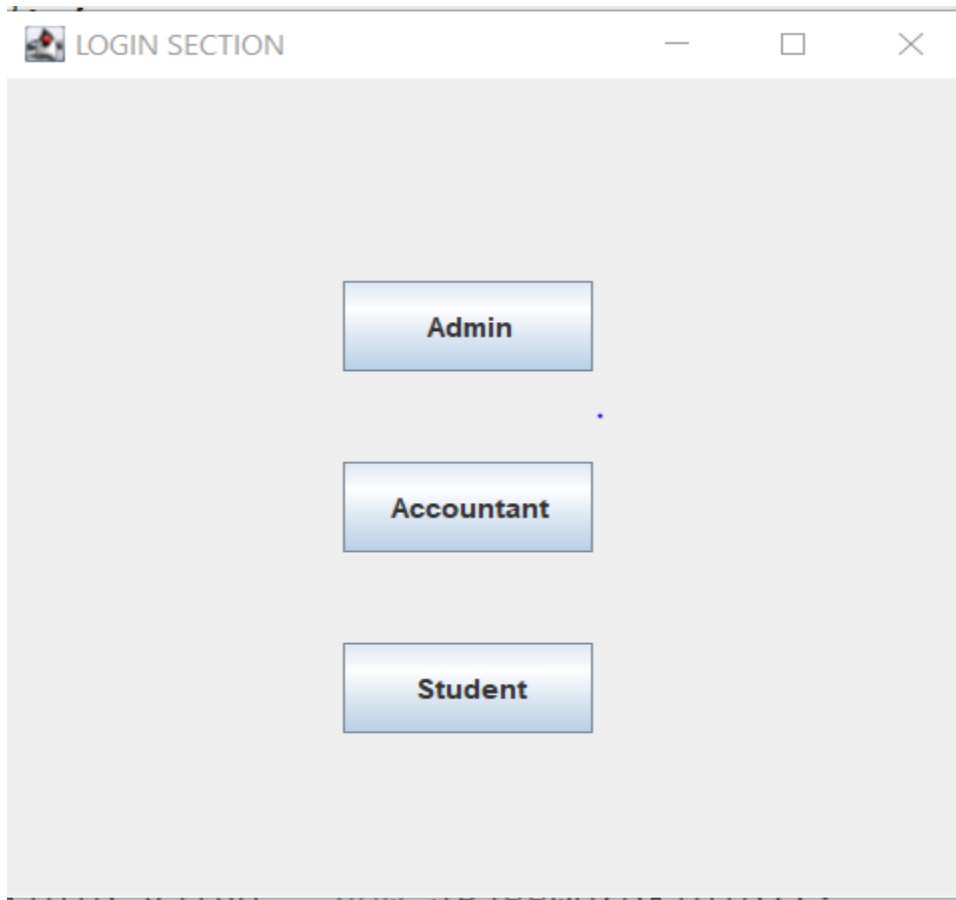
- Import JDBC packages.
- Load and register the JDBC driver.
- Open a connection to the database.
- Create a statement object to perform a query.
- Execute the statement object and return a query result set.
- Process the result set.
- Close the result set and statement objects.
- Close the connection.


SWINGS FEATURES:

- JButton – To create push buttons that can be used to perform any ActionEvent whenever it is clicked.
- JFrame - JFrame is a java class that is extended by Frame class of Java. JFrame is treated as the main window.
- JTextArea - Represents a multi-line display of area that contains text and can also be used for text editing.
- JTextField - A text component that allows the editing of a single line text. It inherits JTextComponent class.
- JLabel - The JLabel class from the swing package is able to display a text or a picture or both.
- JPanel - A simplest lightweight container class that is a part of the package java.swing. It can group or store a set of components together, mainly for creating a user interface.

- **JTextPane** - Used for stylizing a document and for representing it graphically and has embedded images and other components.
- **JComboBox** - Represented by a popup menu that contains the list of elements and the user could select an option or element from that list.
- **JOptionPane** - JOptionPane is a class that is used to provide standard dialog boxes.

SCREEN FORMAT:




 Admin section

Name:

Password:

login

 Admin SECTION

Add Accountant

View Accountant

Logout



Adding Accountant



Name:

Password:

Email id:

Phone Number:

Add accountant

Back



Accountant Details



Name	Password	Email Id	Phone Number
Rithik	2031035	rithiksuthan123@gmail.com	6383704021
Kavin	2031022	kavin123@gmail.com	8903109991
Thiyanesh	2031052	thiyanesh123@gmail.com	9442609991
Gokul	2031015	gokul123@gmail.com	9487589991

Back



Accountant section



Name:

Password:

login



Accountant Section



Student register

Add Student

View Student

Update Student

Dues

Logout



Student login



Username:

Password:

login

Back



ADD STUDENT

Roll No:

Name:

Course:

Fees:

Paid:

Email Id:

Due:

Address:

City:

State:

Country

Contact No

Add Student

Back



UPDATE STUDENT

Roll No:

Load record

Name:

Course:

Fees:

Paid:

Email Id:

Due:

Address:

City

State:

Country

Contact No

Update Student

Back



Student login



Username:

Password:

login



Payment section



Roll No:

Check due

Pay

Back

REFERENCE:

Geeksforgeeks & javatpoint.