**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Stock Management System\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Code:**

package stockmanagementsystemproject;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.Statement;

import java.util.Scanner;

/\*

\* @author rajaniks

\*/

public class StockManagementSystemProject{

public static void main(String[] args) throws Exception {

Class.forName("com.mysql.cj.jdbc.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/stock", "root", "MySql@1203");

Statement stmt =con.createStatement();

ResultSet rs;

PreparedStatement st;

String qry="";

int ID,Price,choice;

String StockName,MobileNo,Username,Password,First\_Name,Last\_Name,EmailId;

boolean flag=true;

Scanner s = new Scanner(System.in);

Scanner str = new Scanner(System.in);

Scanner in = new Scanner(System.in);

///////////////////////////////////////////////////////////////////////////////////////

System.out.println("Stock Management System");

System.out.println("1. REGISTER");

System.out.println("2. LOGIN");

System.out.println("3. Exit");

System.out.print("Enter a choice: ");

choice = in.nextInt();

while(flag) {

switch (choice) {

case 1 -> {

System.out.println("Registration");

System.out.print("Enter MobileNo:");//userid:user

MobileNo = s.nextLine();

System.out.print("Enter First\_Name:");//username:user

First\_Name = s.nextLine();

System.out.print("Enter Last\_Name:");//password:user

Last\_Name = s.nextLine();

System.out.print("Enter Username:");//username:user

Username = s.nextLine();

System.out.print("Enter Password:");//password:user

Password = s.nextLine();

System.out.print("Enter EmailId:");//password:user

EmailId = s.nextLine();

qry="insert into registry (MobileNo,First\_Name,Last\_Name,Username,Password,EmailId) values(?,?,?,?,?,?)";

st= con.prepareStatement(qry);

st.setString(1, MobileNo);

st.setString(2, First\_Name);

st.setString(3, Last\_Name);

st.setString(4, Username);

st.setString(5, Password);

st.setString(6, EmailId);

st.executeUpdate();

System.out.print("\n");

System.out.println(" New user registered Successfully!");

System.out.println("\n");

System.out.println("Login");

System.out.print("Enter the Username : ");

String str4 = s.next();

System.out.print("Enter the Password : ");

String str5 = s.next();

ResultSet r = stmt.executeQuery("select \* from registry where Username='" + str4 + "' and Password='" + str5 + "'");

if (r.next()){

System.out.println("Welcome " + str4);

flag =false;

}

else

System.out.println("Invalid user name and password");

System.out.println("\n\n");

}

case 2 -> {

System.out.print("Enter the Username : ");

String str4 = s.next();

System.out.print("Enter the Password : ");

String str5 = s.next();

ResultSet r = stmt.executeQuery("select \* from registry where Username='" + str4 + "' and Password='" + str5 + "'");

if (r.next())

{

System.out.println("Welcome " + str4);

flag=false;

}

else

System.out.println("Invalid user name and password");

}

case 3 -> {

System.out.println("Thank-You For Using This Application");

System.exit(0);

}

default -> System.out.println("Invalid Choice");

}

}

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("\n");

// stock CRUD applications

while(true)

{

System.out.println("---Stock Management System---");

System.out.println("\n");

System.out.println("1. Add Stock");

System.out.println("2. Update Stock");

System.out.println("3. Delete Stock");

System.out.println("4. Display Stock");

System.out.println("5. Exit");

System.out.print("Enter a choice: ");

choice = s.nextInt();

System.out.println("-----------------------------------------");

switch(choice){

case 1 -> {

System.out.println("1. Add new Stock");

System.out.println("Enter ID : ");

ID=s.nextInt();

System.out.println("Enter Stock Name : ");

StockName=str.nextLine();

System.out.println("Enter Price : ");

Price=s.nextInt();

qry="insert into stock (ID,StockName,Price) values(?,?,?)";

st= con.prepareStatement(qry);

st.setInt(1, ID);

st.setString(2, StockName);

st.setInt(3, Price);

st.executeUpdate();

System.out.println("New Stock added");

}

case 2 -> {

System.out.println("2. Updating a Stock");

System.out.println("Enter Stock ID Which Stcok You Want To Update ");

ID=s.nextInt();

System.out.println("Select Column name which Want To Update");

System.out.println("1.Stock Name");

System.out.println("2.Stock Price");

int ss=s.nextInt();

switch (ss) {

case 1 -> {

System.out.println("Enter New Stock Name : ");

StockName=str.nextLine();

qry="update stock set StockName=? where ID=?";

st= con.prepareStatement(qry);

st.setString(1, StockName);

st.setInt(2, ID);

int i= st.executeUpdate();

System.out.println(i);

}

case 2 -> {

System.out.println("Enter New Stock Price : ");

Price=s.nextInt();

qry="update stock set Price=? where ID=?";

st= con.prepareStatement(qry);

st.setInt(2, ID);

st.setInt(1, Price);

st.executeUpdate();

System.out.println("Stock Update Success");

}

default -> System.out.println("Invalid Selection");

}

}

case 3 -> {

System.out.println("3. Deleting Stock");

System.out.println("Enter ID : ");

ID=s.nextInt();

qry="delete from stock where ID=?";

st= con.prepareStatement(qry);

st.setInt(1, ID);

st.executeUpdate();

System.out.println("Stock Deleted Success");

}

case 4 -> {

System.out.println("4. Print all Records");

System.out.println("ID StockName Price ");

qry="SELECT ID,StockNAME,Price from stock";

rs=stmt.executeQuery(qry);

while(rs.next())

{

ID=rs.getInt("ID");

StockName=rs.getString("StockName");

Price=rs.getInt("Price");

System.out.print(ID+" ");

System.out.print(StockName+" ");

System.out.print(Price+" ");

System.out.println("\n");

}

}

case 5 -> {

System.out.println("Thank You");

System.exit(0);

}

default -> System.out.println("Invalid Selection");

}

System.out.println("-----------------------------------------");

}

}

}

**Output:**

Stock Management System

1. REGISTER

2. LOGIN

3. Exit

Enter a choice: 1

Registration

Enter MobileNo:9911882255

Enter First\_Name:Rajani

Enter Last\_Name:K

Enter Username:rajanivk

Enter Password:12345

Enter EmailId:rajani@gmail.com

New user registered Successfully!

Login

Enter the Username : rajanivk

Enter the Password : 12345

Welcome rajanivk

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---Stock Management System---

1. Add Stock

2. Update Stock

3. Delete Stock

4. Display Stock

5. Exit

Enter a choice: 1

-----------------------------------------

1. Add new Stock

Enter ID :

4

Enter Stock Name :

Scanner

Enter Price :

15000

New Stock added

-----------------------------------------

---Stock Management System---

1. Add Stock

2. Update Stock

3. Delete Stock

4. Display Stock

5. Exit

Enter a choice: 4

-----------------------------------------

4. Print all Records

ID StockName Price

1 Computer 41000

2 Printer 5000

3 Keyboard 2500

4 Scanner 15000

-----------------------------------------

---Stock Management System---

1. Add Stock

2. Update Stock

3. Delete Stock

4. Display Stock

5. Exit

Enter a choice: 2

-----------------------------------------

2. Updating a Stock

Enter Stock ID Which Stcok You Want To Update

3

Select Column name which Want To Update

1.Stock Name

2.Stock Price

2

Enter New Stock Price :

2000

Stock Update Success

-----------------------------------------

---Stock Management System---

1. Add Stock

2. Update Stock

3. Delete Stock

4. Display Stock

5. Exit

Enter a choice: 4

-----------------------------------------

4. Print all Records

ID StockName Price

1 Computer 41000

2 Printer 5000

3 Keyboard 2000

4 Scanner 15000

-----------------------------------------

---Stock Management System---

1. Add Stock

2. Update Stock

3. Delete Stock

4. Display Stock

5. Exit

Enter a choice: 3

-----------------------------------------

3. Deleting Stock

Enter ID :

4

Stock Deleted Success

-----------------------------------------

---Stock Management System---

1. Add Stock

2. Update Stock

3. Delete Stock

4. Display Stock

5. Exit

Enter a choice: 4

-----------------------------------------

4. Print all Records

ID StockName Price

1 Computer 41000

2 Printer 5000

3 Keyboard 2000

-----------------------------------------

---Stock Management System---

1. Add Stock

2. Update Stock

3. Delete Stock

4. Display Stock

5. Exit

Enter a choice: 5

-----------------------------------------

Thank You

BUILD SUCCESSFUL (total time: 3 minutes 23 seconds)