import java.sql.\*;

import java.util.Scanner;

public class CustomerDatabaseNavigation {

public static void main(String[] args) {

try {

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

Connection con = DriverManager.getConnection(

"jdbc:mysql://localhost:3306/te31260", "te31260", "te31260");

Statement stmt = con.createStatement();

Scanner scanner = new Scanner(System.in);

while (true) {

System.out.println("\nSelect Operation:");

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

System.out.println("2. View Customers");

System.out.println("3. Edit Customer");

System.out.println("4. Delete Customer");

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

int choice = scanner.nextInt();

scanner.nextLine();

switch (choice) {

case 1:

System.out.print("Enter Customer Name: ");

String name = scanner.nextLine();

System.out.print("Enter Email: ");

String email = scanner.nextLine();

System.out.print("Enter Mobile Number: ");

String mobileNo = scanner.nextLine();

System.out.print("Enter Address: ");

String address = scanner.nextLine();

String addQuery = "INSERT INTO Customer (Name, Email, Mobile\_no, Address) " +

"VALUES ('" + name + "', '" + email + "', '" + mobileNo + "', '" + address + "')";

stmt.executeUpdate(addQuery);

System.out.println("Customer added successfully!");

break;

case 2:

ResultSet rs = stmt.executeQuery("SELECT \* FROM Customer");

System.out.println("Customer List:");

while (rs.next()) {

System.out.println("Customer ID: " + rs.getInt("Customer\_id"));

System.out.println("Name: " + rs.getString("Name"));

System.out.println("Email: " + rs.getString("Email"));

System.out.println("Mobile No: " + rs.getString("Mobile\_no"));

System.out.println("Address: " + rs.getString("Address"));

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

}

break;

case 3:

System.out.print("Enter Customer ID to edit: ");

int customerId = scanner.nextInt();

scanner.nextLine();

System.out.print("Enter new Name: ");

name = scanner.nextLine();

System.out.print("Enter new Email: ");

email = scanner.nextLine();

System.out.print("Enter new Mobile Number: ");

mobileNo = scanner.nextLine();

System.out.print("Enter new Address: ");

address = scanner.nextLine();

String editQuery = "UPDATE Customer SET Name='" + name + "', Email='" + email + "', Mobile\_no='" +

mobileNo + "', Address='" + address + "' WHERE Customer\_id=" + customerId;

stmt.executeUpdate(editQuery);

System.out.println("Customer updated successfully!");

break;

case 4:

System.out.print("Enter Customer ID to delete: ");

customerId = scanner.nextInt();

scanner.nextLine();

String deleteQuery = "DELETE FROM Customer WHERE Customer\_id=" + customerId;

stmt.executeUpdate(deleteQuery);

System.out.println("Customer deleted successfully!");

break;

case 5:

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

con.close();

return;

default:

System.out.println("Invalid option, please try again.");

}

}

} catch (Exception e) {

e.printStackTrace();

}

}

}





