Name: Pellegrino Cioffi

<%--Document : creditcard--%>

<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.Statement"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Connection"%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>Credit Card Transaction</title>

</head>

<body>

<h1>Purchase Order</h1>

<form action="creditcard.jsp">

Amount Due: $<input type="text" name="amount" id="amount" pattern="^-?[0-9]\d\*(\.\d+)?$" title="Enter Negative Amount For Withdrawal or Positive Amount For Deposit" required/>

<br/>

Account Holder Name: <input type="text" name="fname" id="name" pattern="^[a-zA-Z]+$" title="Enter Only a Valid First Name" placeholder="First Name" required/>&nbsp;

<input type="text" name="lname" id="name" pattern="^[a-zA-Z]+$" title="Enter Only a Valid Last Name" placeholder="Last Name" required/>

<br/>

Card Type: <select name="card" id="card">

<option value="">--Select a Card--</option>

<option value="visa">Visa</option>

<option value="mastercard">MasterCard</option>

<option value="american">American Express</option>

<option value="discover">Discover</option>

</select>

<br/>

Account Number: <input type="text" name="number" id="number" pattern="^\d{8}$" title="Enter 8-Digit Account Number" required/>

<br/><br/>

<input type="submit" name="Submit"/>

</form>

<%

try{

//Getting the data from the inputs

String inputAmount = request.getParameter("amount");

String inputFName = request.getParameter("fname");

String inputLName = request.getParameter("lname");

String inputCard = request.getParameter("card");

String inputNumber = request.getParameter("number");

if(inputCard.isEmpty()){

out.println("<br/>[No Credit Card Type Selected]");

}

else{

//connect with database using 3 variables

String database = "jdbc:mysql://localhost:3306/credit\_card"; //name of database is 'airline' and table is named 'survey'

String user = "root"; //table has eight columns named 'Flight\_Num', 'Date', 'Time', 'Friendly', 'Space',

String password = ""; //'Comfort', 'Cleanliness', & 'Noise'; the MYSQL is written at the end of this jsp page code, just paste into MYSQL console

//loading MYSQL Driver

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

//connect to database using a Connection class

Connection myconn = DriverManager.getConnection(database, user, password);

//SQL statement to find same zipcode in 'Address' column

String SQLselect = "SELECT \* FROM accounts " +

"WHERE (FName LIKE '%" + inputFName + "%') && " +

"(LName LIKE '%" + inputLName + "%') && " +

"(Number = " + Integer.parseInt(inputNumber) + ");";

//Object used to apply a statement to a ResultSet object. uses a Connection class to determine what kind of statement

Statement mystat = myconn.createStatement();

//Executing a query to 'results' and saving the values

ResultSet results = mystat.executeQuery(SQLselect);

//Used to check if records were found

boolean foundrecord = false;

//If the table is not empty, then it proceeds

if(!results.wasNull()){

//Prevents the print of the 'not finding record'

foundrecord = true;

while(results.next()){

//Getting data from the database

String fname = results.getString("FName");

String lname = results.getString("LName");

String card\_type = results.getString("Card\_Type");

int number = results.getInt("Number");

float credit = results.getFloat("Credit");

float sumCredit = credit + Float.parseFloat(inputAmount);

if(sumCredit < 0){

out.println("<br/>Insufficient Amount to Withdraw");

}

else{

out.println("<br/>" + fname + " " + lname + "'s Account Updated");

out.println("<br/>Total Credit: " + sumCredit);

}

}

}

if (foundrecord == false){

//The output if no records found

out.println("[No Account Found]");

}

}

}

catch(Exception e){}

%>

</body>

</html>

