**SAMPLE CODE**

**InsertDataAction.java**

/\*

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\* and open the template in the editor.

\*/

package com.biometric.actions;

import com.bio.db.GetDBConnection;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.PreparedStatement;

import javax.servlet.ServletException;

import javax.servlet.annotation.MultipartConfig;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.Part;

/\*\*

\*

\* @author welcome

\*/

@MultipartConfig

public class InsertDataAction extends HttpServlet {

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

PrintWriter out = response.getWriter();

String uname = request.getParameter("userid");

String pass = request.getParameter("pass");

String email = request.getParameter("email");

String mno = request.getParameter("mobile");

String addr = request.getParameter("address");

String dob = request.getParameter("dob");

String gender = request.getParameter("gender");

String pincode = request.getParameter("pincode");

Part filepart = request.getPart("pic");

Part fileBio = request.getPart("pic2");

try {

Connection con = null;

PreparedStatement ps = null;

con = GetDBConnection.getDbConnection();

String status = "Waiting";

ps = con.prepareStatement("insert into consumer(username,password,email,mobile,address,dob,gender,pincode,status,image,thumbimage,thumbname) values(?,?,?,?,?,?,?,?,?,?,?,?)");

ps.setString(1, uname);

ps.setString(2, pass);

ps.setString(3, email);

ps.setString(4, mno);

ps.setString(5, addr);

ps.setString(6, dob);

ps.setString(7, gender);

ps.setString(8, pincode);

ps.setString(9, status);

ps.setBinaryStream(10, filepart.getInputStream());

ps.setBinaryStream(11, fileBio.getInputStream());

ps.setString(12, fileBio.getSubmittedFileName());

int x = ps.executeUpdate();

if (x > 0) {

out.print("Registered Successfully");

}

} catch (Exception e) {

e.printStackTrace();

}

}

}

**OBioUdentityAction.java**

/\*

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\* and open the template in the editor.

\*/

package com.biometric.actions;

import com.bio.db.GetDBConnection;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.Statement;

import javax.servlet.ServletException;

import javax.servlet.annotation.MultipartConfig;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.Part;

/\*\*

\*

\* @author welcome

\*/

@MultipartConfig

public class OBioIdentiryAction extends HttpServlet {

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

PrintWriter out = response.getWriter();

Part filepart = request.getPart("pic2");

String thbname = filepart.getSubmittedFileName();

try {

Connection con = GetDBConnection.getDbConnection();

String sql1 = "SELECT \* FROM owner where thumbname='" + thbname + "' ";

Statement stmt1 = con.createStatement();

ResultSet rs1 = stmt1.executeQuery(sql1);

if (rs1.next() == true) {

response.sendRedirect("ownerMain.jsp");

}else{

out.println("Finger Print Mismatch, Please Provide Correct Finger Print!!");

}

} catch (Exception e) {

e.printStackTrace();

}

}

}

**UBioIdentityAction.java**

/\*

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\*/

package com.biometric.actions;

import com.bio.db.GetDBConnection;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.Statement;

import javax.servlet.ServletException;

import javax.servlet.annotation.MultipartConfig;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.Part;

/\*\*

\*

\* @author welcome

\*/

@MultipartConfig

public class UBioIdentiryAction extends HttpServlet {

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

PrintWriter out = response.getWriter();

Part filepart = request.getPart("pic2");

String thbname = filepart.getSubmittedFileName();

try {

Connection con = GetDBConnection.getDbConnection();

String sql1 = "SELECT \* FROM consumer where thumbname='" + thbname + "' ";

Statement stmt1 = con.createStatement();

ResultSet rs1 = stmt1.executeQuery(sql1);

if (rs1.next() == true) {

response.sendRedirect("consumerMain.jsp");

}else{

out.println("Finger Print Mismatch, Please Provide Correct Finger Print!!");

}

} catch (Exception e) {

e.printStackTrace();

}

}

}

**OImageInsertAction.java**

/\*

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\* and open the template in the editor.

\*/

package com.biometric.actions;

import com.bio.db.GetDBConnection;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.text.SimpleDateFormat;

import java.util.Date;

import javax.servlet.ServletException;

import javax.servlet.annotation.MultipartConfig;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import javax.servlet.http.Part;

import org.bouncycastle.util.encoders.Base64;

/\*\*

\*

\* @author welcome

\*/

@MultipartConfig

public class o\_InsertImageAction extends HttpServlet {

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

PrintWriter out = response.getWriter();

Connection con = null;

PreparedStatement ps = null;

HttpSession session = request.getSession();

String title=null,name=null,desc=null,mac=null,key=null,image=null,bin = "", paramname=null;

title = new String(Base64.encode(request.getParameter("title").getBytes()));

name = new String(Base64.encode(request.getParameter("name").getBytes()));

desc = request.getParameter("desc");

mac = request.getParameter("mac");

key = request.getParameter("key");

Part filePart = request.getPart("pic");

try {

con = GetDBConnection.getDbConnection();

SimpleDateFormat sdfDate = new SimpleDateFormat("dd/MM/yyyy");

SimpleDateFormat sdfTime = new SimpleDateFormat("HH:mm:ss");

Date now = new Date();

String strDate = sdfDate.format(now);

String strTime = sdfTime.format(now);

String dt = strDate + " " + strTime;

int rank = 0;

String task = "Upload";

String owner = (String) session.getAttribute("owner");

String strQuery2 = "insert into transaction(user,name,sk,task,dt) values('" + owner + "','" + name + "','" + key + "','" + task + "','" + dt + "')";

con.createStatement().executeUpdate(strQuery2);

String strQuery3 = "insert into matadata(owner,title,name,digitalsign) values('" + owner + "','" + title + "','" + name + "','" + mac + "')";

con.createStatement().executeUpdate(strQuery3);

PreparedStatement ps1 = con.prepareStatement("insert into ownerimages(title,name,owner,description,digitalsign,sk,dt,image,rank) values(?,?,?,?,?,?,?,?,?)");

ps1.setString(1, title);

ps1.setString(2, name);

ps1.setString(3, owner);

ps1.setString(4, desc);

ps1.setString(5, mac);

ps1.setString(6, key);

ps1.setString(7, dt);

ps1.setBinaryStream(8, filePart.getInputStream());

ps1.setInt(9, rank);

ps1.executeUpdate();

ps = con.prepareStatement("insert into serverimages(title,name,owner,description,digitalsign,sk,dt,rank) values(?,?,?,?,?,?,?,?)");

ps.setString(1, title);

ps.setString(2, name);

ps.setString(3, owner);

ps.setString(4, desc);

ps.setString(5, mac);

ps.setString(6, key);

ps.setString(7, dt);

ps.setInt(8, rank);

ps.executeUpdate();

out.print("Image Uploaded Successfully");

} catch (Exception e) {

out.println("same image cont upload again");

}

}

}

**GetDBConnection.java**

/\*

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\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

package com.bio.db;

import java.sql.Connection;

import java.sql.DriverManager;

/\*\*

\*

\* @author welcome

\*/

public class GetDBConnection {

public static Connection con = null;

public static Connection getDbConnection() {

try {

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

con = DriverManager.getConnection("jdbc:mysql://localhost:3306/Bio\_Indentification", "root", "root");

} catch (Exception e) {

e.printStackTrace();

}

return con;

}

}

**A\_AllAttackers.jsp**

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<title>View All Attackers</title>

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

<link href="css/style.css" rel="stylesheet" type="text/css" />

<link rel="stylesheet" type="text/css" href="css/coin-slider.css" />

<script type="text/javascript" src="js/cufon-yui.js"></script>

<script type="text/javascript" src="js/cufon-marketingscript.js"></script>

<script type="text/javascript" src="js/jquery-1.4.2.min.js"></script>

<script type="text/javascript" src="js/script.js"></script>

<script type="text/javascript" src="js/coin-slider.min.js"></script>

<style type="text/css">

<!--

.style1 {font-size: 40px}

.style5 {font-size: 16px}

.style10 {font-size: 14px}

.style11 {color: #000000}

.style12 {color: #FFFF00}

-->

</style>

</head>

<body>

<div class="main">

<div class="header">

<div class="header\_resize">

<div class="menu\_nav">

<ul>

<li><a href="index.html"><span>Home Page</span></a></li>

<li><a href="ownerLogin.jsp"><span>Owner</span></a></li>

<li><a href="consumerLogin.jsp"><span>Users</span></a></li>

<li><a href="webServerLogin.jsp"><span>Cloud Server</span></a></li>

<li class="active"></li>

<li></li>

</ul>

</div>

<div class="clr"></div>

<div class="logo">

<h1><a href="index.html" class="style1">An Efficient and Privacy-Preserving Biometric Identification Scheme in Cloud Computing</a></h1>

</div>

<div class="clr"></div>

<div class="slider">

<div id="coin-slider">

<img src="images/slide1.jpg" width="960" height="360" alt="" />

<img src="images/slide2.jpg" width="960" height="360" alt="" />

<img src="images/slide3.jpg" width="960" height="360" alt="" />

</div>

<div class="clr"></div>

</div>

<div class="clr"></div>

</div>

</div>

<div class="content">

<div class="content\_resize">

<div class="mainbar">

<div class="article">

<h2> All Attackers</h2>

<p>&nbsp;</p>

<div class="clr"></div>

<p>

<table width="657" border="1" cellpadding="0" cellspacing="0" ">

<tr>

<td width="29" height="34" valign="baseline" bgcolor="#FF0000" style="color: #2c83b0;"><div align="center" class="style5 style15 style12"><strong>Id</strong></div></td>

<td width="99" height="34" valign="baseline" bgcolor="#FF0000" style="color: #2c83b0;"><div align="center" class="style5 style15 style12"><strong>Title</strong></div></td>

<td width="88" height="34" valign="baseline" bgcolor="#FF0000" style="color: #2c83b0;"><div align="center" class="style5 style15 style12"><strong>Name</strong></div></td>

<td width="146" height="34" valign="baseline" bgcolor="#FF0000" style="color: #2c83b0;"><div align="center" class="style5 style15 style12"><strong>Attacker</strong></div></td>

<td width="95" height="34" valign="baseline" bgcolor="#FF0000" style="color: #2c83b0;"><div align="center" class="style5 style15 style12"><strong>Attacked Date</strong></div></td>

<td width="123" height="34" valign="baseline" bgcolor="#FF0000" style="color: #2c83b0;"><div align="center" class="style5 style12 style15"><strong>Digital Sign</strong></div></td>

</tr>

<%@ include file="connect.jsp" %>

<%@ page import ="org.bouncycastle.util.encoders.Base64" %>

<%

String title,name,mac,date,attacker;

int id=0,i=1;

try

{

String str1 = "select \* from attacker ";

Statement st1 = connection.createStatement();

ResultSet rs1 = st1.executeQuery(str1);

while(rs1.next())

{

id = rs1.getInt(1);

attacker = rs1.getString(2);

title = rs1.getString(3);

name = rs1.getString(4);

mac = rs1.getString(6);

date = rs1.getString(7);

String decryptedTitle = new String(Base64.decode(title.getBytes()));

String decryptedName = new String(Base64.decode(name.getBytes()));

%>

<tr>

<td valign="baseline" height="30"><p class="style3 style10 style11">&nbsp;</p><div align="center" class="style3 style10 style11"><%out.println(id);%></div></td>

<td valign="baseline" height="30"><p class="style3 style10 style11">&nbsp;</p><div align="center" class="style3 style10 style11"><%out.println(decryptedTitle);%></div></td>

<td valign="baseline" height="30"><p class="style3 style10 style11">&nbsp;</p><div align="center" class="style3 style10 style11"><%out.println(decryptedName);%></div></td>

<td valign="baseline" height="30"><p class="style3 style10 style11">&nbsp;</p><div align="center" class="style3 style10 style11"><%out.println(attacker);%></div></td>

<td valign="baseline" height="30"><p class="style3 style10 style11">&nbsp;</p><div align="center" class="style3 style10 style11"><%out.println(date);%></div></td>

<td valign="baseline" height="30"><p class="style3 style10 style11">&nbsp;</p><div align="center" class="style3 style10 style11"><a href="a\_DSign.jsp?mac=<%=mac%>&name=<%=decryptedName%>&type=<%="attack"%>">View</a></div></td>

</tr>

<% }

%>

<tr>

<td valign="baseline" height="20">&nbsp;</td>

<td valign="baseline" height="20">&nbsp;</td>

<td valign="baseline" height="20">&nbsp;</td>

<td valign="baseline" height="20">&nbsp;</td>

<td valign="baseline" height="20">&nbsp;</td>

<td valign="baseline" height="20">&nbsp;</td>

</tr>

<p></p>

<%

connection.close();

}

catch(Exception e)

{

out.println(e.getMessage());

}

%>

</table> </p>

<p align="right"><a href="auditorMain.jsp">Back</a></p>

<div class="clr"></div>

</div>

</div>

<div class="sidebar">

<div class="gadget">

<h2 class="star"><span></span> Menu</h2>

<div class="clr"></div>

<ul class="sb\_menu"><li><a href="auditorMain.jsp"> Main</a></li>

<li><a href="auditorLogin.jsp">Log Out</a></li>

</ul>

</div>

<div class="gadget">

<h2 class="star">&nbsp;</h2>

</div>

</div>

<div class="clr"></div>

</div>

</div>

<div class="fbg"></div>

<div class="footer">

<div class="footer\_resize">

<div style="clear:both;"></div>

</div>

</div>

</div>

</body>

</html>

**C\_searchImage.jsp**

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<title>Search Images</title>

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

<link href="css/style.css" rel="stylesheet" type="text/css" />

<link rel="stylesheet" type="text/css" href="css/coin-slider.css" />

<script type="text/javascript" src="js/cufon-yui.js"></script>

<script type="text/javascript" src="js/cufon-marketingscript.js"></script>

<script type="text/javascript" src="js/jquery-1.4.2.min.js"></script>

<script type="text/javascript" src="js/script.js"></script>

<script type="text/javascript" src="js/coin-slider.min.js"></script>

<style type="text/css">

<!--

.style1 {font-size: 40px}

.style5 {

font-size: 25px;

color: #333333;

}

.style10 {font-size: 14px}

.style11 {font-size: 16px}

.style13 {color: #000000}

.style14 {

font-size: 14px;

color: #FFFF00;

font-weight: bold;

}

.style15 {color: #959595}

.style16 {

color: #FF0000;

font-weight: bold;

}

.style18 {color: #FFFF00; font-weight: bold; }

.style19 {color: #FFFF00}

-->

</style>

</head>

<body>

<div class="main">

<div class="header">

<div class="header\_resize">

<div class="menu\_nav">

<ul>

<li><a href="index.html"><span>Home Page</span></a></li>

<li><a href="ownerLogin.jsp"><span>Owner</span></a></li>

<li class="active"><a href="consumerLogin.jsp"><span>Users</span></a></li>

<li><a href="webServerLogin.jsp"><span>Cloud Server</span></a></li>

<li><a href="auditorLogin.jsp"></a></li>

<li></li>

</ul>

</div>

<div class="clr"></div>

<div class="logo">

<h1><a href="index.html" class="style1">An Efficient and Privacy-Preserving Biometric Identification Scheme in Cloud Computing</a></h1>

</div>

<div class="clr"></div>

<div class="slider">

<div id="coin-slider">

<img src="images/slide1.jpg" width="960" height="360" alt="" />

<img src="images/slide2.jpg" width="960" height="360" alt="" />

<img src="images/slide3.jpg" width="960" height="360" alt="" />

</div>

<div class="clr"></div>

</div>

<div class="clr"></div>

</div>

</div>

<div class="content">

<div class="content\_resize">

<div class="mainbar">

<div class="article">

<p class="style5 style16">Search Biometric Image Files Content</p>

<div class="clr"></div>

<p>

<DIV CLASS="article">

<H2>&nbsp;</H2>

<FORM ACTION="c\_SearchImages.jsp" METHOD="post">

<DIV STYLE="width:600px;">

<TABLE ALIGN="center" STYLE="margin:0 0 0 30px;">

<TR>

<TD width="174" bgcolor="#FF0000"><P align="center" class="style18"><span class="style10">Enter Keyword to Search &nbsp;</span>&nbsp;</P></TD>

<TD width="165" bgcolor="#FF0000"><div align="center" class="style18">

<INPUT TYPE="text" name="keyword" />

</div></TD>

<TD width="72" bgcolor="#FF0000"><INPUT name="submit" TYPE="submit" STYLE="width:50px; height:25px;" VALUE="GO"/></TD>

</TR>

<TR>

<TD COLSPAN="3" bgcolor="#FF0000"><P align="center" class="style14">[ searching content Based on Image Description ] </P></TD>

</TR>

</TABLE>

</DIV>

</FORM>

</DIV>

<%@ include file="connect.jsp" %>

<%@ page import ="org.bouncycastle.util.encoders.Base64" %>

<%@ page import ="java.text.SimpleDateFormat,java.util.Date"%>

<%

try{

String strDate,strTime,dt;

String consumer,input,input1;

String status=null;

String title,imgName,desc,desc1,rank;

int i=0;

consumer=(String)session.getAttribute("consumer");

input1= request.getParameter("keyword");

input = input1.toLowerCase();

SimpleDateFormat sdfDate = new SimpleDateFormat("dd/MM/yyyy");

SimpleDateFormat sdfTime = new SimpleDateFormat("HH:mm:ss");

Date now = new Date();

strDate = sdfDate.format(now);

strTime = sdfTime.format(now);

dt = strDate + " " + strTime;

if(!input.equalsIgnoreCase(""))

{

Statement st3 = connection.createStatement();

String query3 ="insert into search(consumer,keyword,dt) values('"+consumer+"','"+input1+"','"+dt+"')";

st3.executeUpdate (query3);

}

Statement st4 = connection.createStatement();

String query4 ="select \* from consumer where username='"+consumer+"'";

ResultSet rs4 = st4.executeQuery(query4);

if(rs4.next())

{

status=rs4.getString(10);

}

Statement stmt=connection.createStatement();

String strQuery = "select \* from serverimages order by rank desc";

ResultSet rs = stmt.executeQuery(strQuery);

%><table width="552" border="1" align="center" cellpadding="0" cellspacing="0" ">

<tr>

<td width="69" height="34" valign="baseline" bgcolor="#FF0000" style="color: #2c83b0;"><div align="center" class="style19 style11 style5 style4"><strong>Id</strong></div></td>

<td width="69" height="34" valign="baseline" bgcolor="#FF0000" style="color: #2c83b0;"><div align="center" class="style19 style11 style5 style4"><strong>Bio Image</strong></div></td>

<td width="148" height="34" valign="baseline" bgcolor="#FF0000" style="color: #2c83b0;"><div align="center" class="style19 style11 style5 style4"><strong>Title</strong></div></td>

<td width="183" height="34" valign="baseline" bgcolor="#FF0000" style="color: #2c83b0;"><div align="center" class="style19 style11 style5 style4"><strong>Name</strong></div></td>

<td width="142" height="34" valign="baseline" bgcolor="#FF0000" style="color: #2c83b0;"><div align="center" class="style19 style11 style5 style4"><strong>Rank</strong></div></td>

<td width="142" height="34" valign="baseline" bgcolor="#FF0000" style="color: #2c83b0;"><div align="center" class="style19 style11 style5 style4"><strong>View Comments</strong></div></td>

</tr><%

while(rs.next()){

i=rs.getInt(1);

title = rs.getString(2);

imgName = rs.getString(3);

desc1 = rs.getString(5);

rank = rs.getString(9);

String encryptedTitle = new String(Base64.decode(title.getBytes()));

String encryptedName = new String(Base64.decode(imgName.getBytes()));

String encryptedDesc1 = new String(Base64.decode(desc1.getBytes()));

desc = encryptedDesc1.toLowerCase();

String encryptedName1= encryptedName.toLowerCase();

String encryptedTitle1=encryptedTitle.toLowerCase();

if ( desc.contains(input) || encryptedTitle1.contains(input) || encryptedName1.contains(input) ){

%>

</P>

<tr>

<td width="69" valign="baseline" height="31" style="color: #2c83b0;"><p>&nbsp;</p>

<div align="center" class="style15 style4 style5 style10 style13"><%=i%></div></td>

<td width="146" rowspan="1" ><div class="style3 style10" style="margin:10px 13px 10px 13px;" > <a class="#" id="img1" href="#" >

<input name="image" type="image" src="w\_ProfilePic.jsp?id=<%=i%>&type=<%="serverimages"%>" style="width:110px; height:100px;" /></a></div></td>

<td width="148" valign="baseline" height="31" style="color: #2c83b0;"><p>&nbsp;</p>

<div align="center" class="style15 style4 style5 style10 style13"><%=encryptedTitle%></div></td>

<td width="183" valign="baseline" height="31" style="color: #2c83b0;"><p>&nbsp;</p>

<div align="center" class="style15 style4 style5 style10 style13"><a href="c\_SearchImages1.jsp?imgName=<%=encryptedName%>"><%=encryptedName%></a></div></td>

<td width="142" valign="baseline" height="31" style="color: #2c83b0;"><p>&nbsp;</p>

<div align="center" class="style15 style4 style5 style10 style13"><%=rank%></div></td>

<td width="142" valign="baseline" height="31" style="color: #2c83b0;"><p>&nbsp;</p>

<div align="center" class="style15 style4 style5 style10 style13"><a href="c\_ViewComments.jsp?id=<%=i%>&keyword=<%=input%>"><%="View"%></a></div></td>

</tr>

<%

}

}

}catch(Exception e){

e.printStackTrace();

}

%>

</table>

</P>

<p align="right"><a href="consumerMain.jsp">Back</a></p>

<div class="clr"></div>

</div>

</div>

<div class="sidebar">

<div class="gadget">

<h2 class="star"><span></span> Users Menu</h2>

<div class="clr"></div>

<ul class="sb\_menu">

<li><a href="consumerMain.jsp">User Main</a></li>

<li><a href="consumerLogin.jsp">Log Out </a></li>

</ul>

</div>

</div>

<div class="clr"></div>

</div>

</div>

<div class="fbg"></div>

<div class="footer">

<div class="footer\_resize">

<div style="clear:both;"></div>

</div>

</div>

</div>

</body>

</html>

**O\_addImage1.jsp**

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<title>Upload Imge</title>

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

<link href="css/style.css" rel="stylesheet" type="text/css" />

<link rel="stylesheet" type="text/css" href="css/coin-slider.css" />

<script type="text/javascript" src="js/cufon-yui.js"></script>

<script type="text/javascript" src="js/cufon-marketingscript.js"></script>

<script type="text/javascript" src="js/jquery-1.4.2.min.js"></script>

<script type="text/javascript" src="js/script.js"></script>

<script type="text/javascript" src="js/coin-slider.min.js"></script>

<style type="text/css">

<!--

.style1 {font-size: 40px}

.style2 {font-size: 14px}

.style3 {color: #FFFF00}

.style4 {color: #FF0000}

-->

</style>

</head>

<body>

<div class="main">

<div class="header">

<div class="header\_resize">

<div class="menu\_nav">

<ul>

<li><a href="index.html"><span>Home Page</span></a></li>

<li class="active"><a href="ownerLogin.jsp"><span>Owner</span></a></li>

<li><a href="consumerLogin.jsp"><span>Users</span></a></li>

<li><a href="webServerLogin.jsp"><span>Cloud Server</span></a></li>

<li></li>

<li></li>

</ul>

</div>

<div class="clr"></div>

<div class="logo">

<h1><a href="index.html" class="style1">An Efficient and Privacy-Preserving Biometric Identification Scheme in Cloud Computing</a></h1>

</div>

<div class="clr"></div>

<div class="slider">

<div id="coin-slider">

<img src="images/slide1.jpg" width="960" height="360" alt="" />

<img src="images/slide2.jpg" width="960" height="360" alt="" />

s

</div>

<div class="clr"></div>

</div>

<div class="clr"></div>

</div>

</div>

<div class="content">

<div class="content\_resize">

<div class="mainbar">

<div class="article">

<h2 class="style4">Biometric Image Upload !!! </h2>

<p>&nbsp;</p>

<div class="clr"></div>

<p>

<%@ include file="connect.jsp" %>

<%@ page import ="java.security.Key" %>

<%@ page import ="javax.crypto.Cipher" %>

<%@ page import ="java.math.BigInteger" %>

<%@ page import ="javax.crypto.spec.SecretKeySpec" %>

<%@ page import ="org.bouncycastle.util.encoders.Base64" %>

<%@ page import ="java.security.MessageDigest,java.security.DigestInputStream" %>

<%@ page import ="java.security.KeyPairGenerator,java.security.KeyPair,java.security.Key" %>

<%@ page import ="java.io.PrintStream,java.io.FileOutputStream,java.io.FileInputStream,java.io.BufferedInputStream" %>

<%

try

{

String title=request.getParameter("title");

String name=request.getParameter("name");

String desc=request.getParameter("desc");

String forMac = title + name + desc;

String keys = "ef50a0ef2c3e3a5f";

String h1="";

String filename="D:\\biodoc\\filename.txt";

KeyPairGenerator kg = KeyPairGenerator.getInstance("RSA");

Cipher encoder = Cipher.getInstance("RSA");

String encryptedTitle = new String(Base64.encode(title.getBytes()));

String encryptedName = new String(Base64.encode(name.getBytes()));

String encryptedDesc = new String(Base64.encode(desc.getBytes()));

KeyPair kp = kg.generateKeyPair();

Key pubKey = kp.getPublic();

byte[] pub = pubKey.getEncoded();

PrintStream p = new PrintStream(new FileOutputStream(filename));

p.print(new String(forMac));

MessageDigest md = MessageDigest.getInstance("SHA1");

FileInputStream fis11 = new FileInputStream(filename);

DigestInputStream dis1 = new DigestInputStream(fis11, md);

BufferedInputStream bis1 = new BufferedInputStream(dis1);

//Read the bis so SHA1 is auto calculated at dis

while (true) {

int b1 = bis1.read();

if (b1 == -1)

break;

}

BigInteger bi1 = new BigInteger(md.digest());

String spl1 = bi1.toString();

h1 = bi1.toString(16);

String key = String.valueOf(pub);

%>

<!--<form action="o\_InsertImage.jsp" method="post" enctype="multipart/form-data">-->

<form action="o\_InsertImageAction" method="post" enctype="multipart/form-data">

<table width="600" border="0" cellpadding="0" cellspacing="0" style="border-collapse: collapse; display:inline; margin:10px 10px 10px 10px; font-family:Verdana, Arial, Helvetica, sans-serif; font-size:14px;">

<tr>

<td width="243" height="45" valign="middle" bgcolor="#FF0000" style="color: #2c83b0;"><div align="left" class="style3 style7" style="margin-left:20px;"><strong> Title </strong></div></td>

<td width="357" valign="middle" height="45" style="color:#000000;"><div align="left" style="margin-left:20px;"><input type="text" name="title" value=<%=encryptedTitle%>></div></td>

</tr>

<tr>

<td width="243" height="45" valign="middle" bgcolor="#FF0000" style="color: #2c83b0;"><div align="left" class="style3 style7" style="margin-left:20px;"><strong>Biometric Image Name </strong></div></td>

<td width="357" valign="middle" height="45" style="color:#000000;"><div align="left" style="margin-left:20px;"><input type="text" name="name" value=<%=encryptedName%>></div></td>

</tr>

<tr>

<td width="243" height="45" valign="middle" bgcolor="#FF0000" style="color: #2c83b0;"><div align="left" class="style3 style7" style="margin-left:20px;"><strong> Biometric Image Description <br />

</strong></div></td>

<td width="357" valign="middle" height="45"><div align="left" style="margin-left:20px;">

<textarea name="desc" cols="23" rows="3" readonly><%=encryptedDesc%> </textarea>

</div></td>

</tr>

<tr>

<td width="243" height="45" valign="middle" bgcolor="#FF0000" style="color: #2c83b0;"><div align="left" class="style3 style7" style="margin-left:20px;"><strong>Digital Sign </strong></div></td>

<td width="357" valign="middle" height="45" style="color:#000000;"><div align="left" style="margin-left:20px;"><input type="text" name="mac" value=<%=h1%>></div></td>

</tr>

<tr>

<td width="243" height="45" valign="middle" bgcolor="#FF0000" style="color: #2c83b0;"><div align="left" class="style3 style7" style="margin-left:20px;"><strong>Secret Key</strong></div></td>

<td width="357" valign="middle" height="45" style="color:#000000;"><div align="left" style="margin-left:20px;"><input type="text" name="key" value=<%=key%>></div></td>

</tr>

<tr bgcolor="#FF0000"> <span class="style8"><strong>

</tr>

</strong></span>

<tr>

<td width="243" height="74" align="left" valign="middle" bgcolor="#FF0000" style="color: #2c83b0;"><div align="left" class="style3 style8" style="margin-left:20px;"><strong>Select Biometric Image </strong></div></td>

<td width="357" align="left" valign="middle" height="74" style="color: #2c83b0;"><div align="left">

<div align="left" style="margin-left:20px;"><input type="file" name="pic"></div></td>

</tr>

<div > <tr><td height="45" colspan="2" id="learn\_more" align="center" style="color:#FFFFFF;"><input type="submit" value="Submit" style="width:100px; height:35px; background-color:#000000; color:#FFFFFF;"/></td></tr></div>

</table>

</form>

<%

connection.close();

}

catch(Exception e)

{

out.println(e.getMessage());

}

%>

</p>

<p align="right"><span class="style2"><a href="o\_AddImage.jsp">Back</a></span></p>

<div class="clr"></div>

</div>

</div>

<div class="sidebar">

<div class="gadget">

<h2 class="star"><span></span> Menu</h2>

<div class="clr"></div>

<ul class="sb\_menu">

<li><strong><a href="ownerMain.jsp">Owner Main </a></strong></li>

<li><strong><a href="ownerLogin.jsp">Log Out </a></strong></li>

</ul>

</div>

</div>

<div class="clr"></div>

</div>

</div>

<div class="fbg"></div>

<div class="footer">

<div class="footer\_resize">

<div style="clear:both;"></div>

</div>

</div>

</div>

</body>

</html>