**DBConnection.java**

/\*

\* To change this template, choose Tools | Templates

\* and open the template in the editor.

\*/

package com.app.utility;

import java.sql.Connection;

import java.sql.DriverManager;

/\*\*

\*

\* @author JAVA

\*/

public class DBConnectionn {

public static Connection con=null;

public static Connection getConnection(){

try {

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

Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/dynamic","root","root");

if(con!=null){

return con;

}

else{

return con;

}}

catch(Exception e){

System.out.println(e);

}

return con;}

}

**ownerlogin.java**

/\*

\* To change this template, choose Tools | Templates

\* and open the template in the editor.

\*/

package com.app.action;

import com.app.utility.DBConnectionn;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

/\*\*

\*

\* @author JAVA

\*/

public class ownerlogin extends HttpServlet {

/\*\*

\* Processes requests for both HTTP

\* <code>GET</code> and

\* <code>POST</code> methods.

\*

\* @param request servlet request

\* @param response servlet response

\* @throws ServletException if a servlet-specific error occurs

\* @throws IOException if an I/O error occurs

\*/

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException, SQLException {

response.setContentType("text/html;charset=UTF-8");

PrintWriter out = response.getWriter();

try {

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

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

Connection con= DBConnectionn.getConnection();

Statement st=con.createStatement();

ResultSet rt=st.executeQuery("select \* from owner where ownername='"+ownername+"'");

if(rt.next()){

String p=rt.getString("password");

int oid=rt.getInt("ownerid");

if(password.equalsIgnoreCase(p)){

HttpSession user=request.getSession();

user.setAttribute("ownername", ownername);

System.out.println(ownername);

user.setAttribute("oid", ""+oid);

response.sendRedirect("dataownerhome.jsp?ownername="+ownername+"");

}

else{

response.sendRedirect("owner.jsp?msg=wrongpassword");

}

}

else{

response.sendRedirect("owner.jsp?msg=failed"); }

}

catch(Exception e){

out.println(e);

}

}

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to edit the code.">

/\*\*

\* Handles the HTTP

\* <code>GET</code> method.

\*

\* @param request servlet request

\* @param response servlet response

\* @throws ServletException if a servlet-specific error occurs

\* @throws IOException if an I/O error occurs

\*/

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

try {

processRequest(request, response);

} catch (SQLException ex) {

Logger.getLogger(ownerlogin.class.getName()).log(Level.SEVERE, null, ex);

}

}

/\*\*

\* Handles the HTTP

\* <code>POST</code> method.

\*

\* @param request servlet request

\* @param response servlet response

\* @throws ServletException if a servlet-specific error occurs

\* @throws IOException if an I/O error occurs

\*/

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

try {

processRequest(request, response);

} catch (SQLException ex) {

Logger.getLogger(ownerlogin.class.getName()).log(Level.SEVERE, null, ex);

}

}

/\*\*

\* Returns a short description of the servlet.

\*

\* @return a String containing servlet description

\*/

@Override

public String getServletInfo() {

return "Short description";

}// </editor-fold>

}

**Owner.jsp**

<!DOCTYPE html>

<html lang="zxx" class="no-js">

<head>

<!-- Mobile Specific Meta -->

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!-- Favicon-->

<link rel="shortcut icon" href="img/fav.png">

<!-- Author Meta -->

<meta name="author" content="colorlib">

<!-- Meta Description -->

<meta name="description" content="">

<!-- Meta Keyword -->

<meta name="keywords" content="">

<!-- meta character set -->

<meta charset="UTF-8">

<!-- Site Title -->

<title>Travel</title>

<link href="https://fonts.googleapis.com/css?family=Poppins:100,200,400,300,500,600,700" rel="stylesheet">

<!--

CSS

============================================= -->

<link rel="stylesheet" href="css/linearicons.css">

<link rel="stylesheet" href="css/font-awesome.min.css">

<link rel="stylesheet" href="css/bootstrap.css">

<link rel="stylesheet" href="css/magnific-popup.css">

<link rel="stylesheet" href="css/jquery-ui.css">

<link rel="stylesheet" href="css/nice-select.css">

<link rel="stylesheet" href="css/animate.min.css">

<link rel="stylesheet" href="css/owl.carousel.css">

<link rel="stylesheet" href="css/main.css">

</head>

<body>

<header id="header">

<div class="header-top">

<div class="container">

<div class="row align-items-center">

</div>

</div>

</div>

<div class="container main-menu">

<div class="row align-items-center justify-content-between d-flex">

<div id="logo">

<b><a style="font-size:130%; color: yellow;" href="index.html">Privacy-Preserving Indexing And Query Processing</a></b><br>

<b> <a style="font-size:130%; color: yellow;" href="index.html"> For Secure Dynamic Cloud Storage</a></b><br>

</div>

<br>

<nav id="nav-menu-container">

<ul class="nav-menu">

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

<li><a href="owner.jsp">DataOwner</a></li>

<li><a href="user.jsp">Datauser</a></li>

<li><a href="tpa.jsp">Thirdparty</a></li>

<li><a href="cloud.jsp">CloudServer</a></li>

</ul>

</nav>

</div>

</div>

</header><!-- #header -->

<!-- start banner Area -->

<section class="about-banner relative">

<div class="overlay overlay-bg"></div>

<div class="container">

<div class="row d-flex align-items-center justify-content-center">

<div class="about-content col-lg-12">

<h1 class="text-white">

DataOwner Login

</h1><br>

<form action="ownerlogin"method="get"name="name" onsubmit="return validate()">

<strong style="color: #4cd3e3;"> OWNER NAME:</strong><br>

<input type="text" name="ownername"placeholder="enter name"></input><br><br>

<strong style="color: #4cd3e3;">PASSWORD:</strong><br>

<input type="password" name="password"placeholder="enter password"></input><br></br>

<input type="submit" value="SignIn"></input><br><br><br><BR><BR>

</form>

</div>

</div>

</div>

<br><br>

</section>

<!-- End banner Area -->

</body>

</html>

**Upload.java**

/\*

\* To change this template, choose Tools | Templates

\* and open the template in the editor.

\*/

package com.app.action;

import com.app.utility.DBConnectionn;

import com.app.utility.EncryptionAlgoritham;

import java.io.BufferedReader;

import java.io.ByteArrayInputStream;

import java.io.IOException;

import java.io.InputStream;

import java.io.InputStreamReader;

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.HttpSession;

import javax.servlet.http.Part;

/\*\*

\*

\* @author Ramu Maloth

\*/

@MultipartConfig(maxFileSize = 16177215)

public class upload extends HttpServlet {

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter pw=response.getWriter();

HttpSession hs=request.getSession();

int oid=Integer.parseInt(hs.getAttribute("oid").toString());

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

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

System.out.println(emailid);

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

System.out.println(index);

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

//String encfiledata = null;

BufferedReader reader = null;

StringBuffer buf;

InputStream inputStream = null;

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

String filename = getFileName(filePart);

System.out.println(filename);

if (filePart != null) {

System.out.println(filePart.getName());

System.out.println(filePart.getSize());

System.out.println(filePart.getContentType());

// obtains input stream of the upload file

inputStream = filePart.getInputStream();

}

String str = "";

buf = new StringBuffer();

reader = new BufferedReader(new InputStreamReader(inputStream));

if (inputStream != null) {

while ((str = reader.readLine()) != null) {

buf.append(str + "\n");

}

}

String data = buf.toString();

InputStream is = new ByteArrayInputStream(data.getBytes());

try

{

String ciphertext=EncryptionAlgoritham.encrypt(data);

Connection con=DBConnectionn.getConnection();

PreparedStatement ps=con.prepareStatement("insert into upload(ownerid, index1, ownername, emailid, file, cipherdata, filename, privatekey) values (?,?,?,?,?,?,?,?)");

//ps.setString(1, oid);

ps.setInt(1, oid);

ps.setString(2, index);

ps.setString(3, ownername);

ps.setString(4, emailid);

ps.setBinaryStream(5, is);

ps.setString(6, ciphertext);

ps.setString(7, filename);

ps.setString(8, privatekey);

int k=ps.executeUpdate();

if(k>0){

response.sendRedirect("upload.jsp?msg=success");

}

else

{

response.sendRedirect("upload.jsp?msg=failed");

}

}

catch(Exception e){

System.out.println(e);

pw.println();

}

}

/\*\*

\* Returns a short description of the servlet.

\*

\* @return a String containing servlet description

\*/

@Override

public String getServletInfo() {

return "Short description";

}// </editor-fold>

private String getFileName(Part filePart) {

for (String cd : filePart.getHeader("content-disposition").split(";")) {

if (cd.trim().startsWith("filename")) {

return cd.substring(cd.indexOf('=') + 1).trim()

.replace("\"", "");

}

}

return null;

}

}

**viewdata.jsp**

<!DOCTYPE html>

<!-- Website template by freewebsitetemplates.com -->

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

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

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

<%@page import="com.app.utility.DBConnectionn"%>

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

<html lang="zxx" class="no-js">

<head>

<!-- Mobile Specific Meta -->

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!-- Favicon-->

<link rel="shortcut icon" href="img/fav.png">

<!-- Author Meta -->

<meta name="author" content="colorlib">

<!-- Meta Description -->

<meta name="description" content="">

<!-- Meta Keyword -->

<meta name="keywords" content="">

<!-- meta character set -->

<meta charset="UTF-8">

<!-- Site Title -->

<title>Travel</title>

<link href="https://fonts.googleapis.com/css?family=Poppins:100,200,400,300,500,600,700" rel="stylesheet">

<!--

CSS

============================================= -->

<link rel="stylesheet" href="css/linearicons.css">

<link rel="stylesheet" href="css/font-awesome.min.css">

<link rel="stylesheet" href="css/bootstrap.css">

<link rel="stylesheet" href="css/magnific-popup.css">

<link rel="stylesheet" href="css/jquery-ui.css">

<link rel="stylesheet" href="css/nice-select.css">

<link rel="stylesheet" href="css/animate.min.css">

<link rel="stylesheet" href="css/owl.carousel.css">

<link rel="stylesheet" href="css/main.css">

</head>

<body>

<header id="header">

<div class="header-top">

<div class="container">

<div class="row align-items-center">

</div>

</div>

</div>

<div class="container main-menu">

<div class="row align-items-center justify-content-between d-flex">

<div id="logo">

<b><a style="font-size:130%; color: yellow;" href="index.html">Privacy-Preserving Indexing And Query Processing</a></b><br>

<b> <a style="font-size:130%; color: yellow;" href="index.html"> For Secure Dynamic Cloud Storage</a></b><br>

</div>

<br>

<nav id="nav-menu-container">

<ul class="nav-menu">

<li><a href="UserHome.jsp">BACK</a></li>

</ul>

</nav>

</div>

</div>

</header><!-- #header -->

<!-- start banner Area -->

<section class="about-banner relative">

<div class="overlay overlay-bg"></div>

<div class="container">

<div class="row d-flex align-items-center justify-content-center">

<div class="about-content col-lg-12">

<h1 class="text-white">

View All Files

</h1><br>

<fieldset>

<table align="center" border="1" bordercolor="white" cellspacing="1px" cellpadding="10px" width="10px">

<tr>

<th><font color='Red'>FILE ID</font></th>

<th><font color='Red'>USER FROM</font></th>

<th><font color='Red'>FILE NAME</font></th>

<th><font color='Red'>VIEW FILE</font></th>

<th><font color='Red'>REQUEST</font></th>

</tr>

<%

Connection con = null;

PreparedStatement ps = null;

ResultSet rs = null;

int sno = 0;

try{

String query = "select \*from upload";

con = DBConnectionn.getConnection();

ps = con.prepareStatement(query);

rs = ps.executeQuery();

while(rs.next()){

String fileid = rs.getString(1);

String ownername= rs.getString(4);

String filename= rs.getString(8);

String status="viewfile";

%>

<tr>

<td><font color='white'><%=fileid%></font></td>

<td><font color='white'><%=ownername%></font></td>

<td><font color='white'><%=filename%></font></td>

<td><a href="viewfiles.jsp?fileid=<%=fileid%>" ><font color='blue'>VIEWFILE</font></a></td>

<td><a href="reqdb.jsp?fileid=<%=fileid%>&&filename=<%=filename%>&&ownername=<%=ownername%>"><font color='YELLOW'>REQUEST</font></a></td>

</tr>

<%

}

}catch(Exception e){

System.out.println("Error at Getting File "+e.getMessage());

e.printStackTrace();

}

%>

</table>

</fieldset><br><br><br>

</div>

</div>

</div>

</div>

</body>

</html>

**mail\_Send.java**

/\*

\* To change this template, choose Tools | Templates

\* and open the template in the editor.

\*/

package com.app.action;

import java.util.Properties;

import javax.mail.Message;

import javax.mail.MessagingException;

import javax.mail.PasswordAuthentication;

import javax.mail.Session;

import javax.mail.Transport;

import javax.mail.internet.InternetAddress;

import javax.mail.internet.MimeMessage;

/\*\*

\*

\* @author Ramu Maloth

\*/

public class mail\_Send {

public static boolean sendMail(String msg, String sub,String userid, String to) {

Properties props = new Properties();

props.put("mail.smtp.host", "smtp.gmail.com");

props.put("mail.smtp.socketFactory.port", "465");

props.put("mail.smtp.socketFactory.class",

"javax.net.ssl.SSLSocketFactory");

props.put("mail.smtp.auth", "true");

props.put("mail.smtp.port", "465");

// Assuming you are sending email from localhost

Session session = Session.getDefaultInstance(props,

new javax.mail.Authenticator() {

protected PasswordAuthentication getPasswordAuthentication() {

return new PasswordAuthentication("datapointprojects13@gmail.com","lx160cm@1");

}

});

//System.out.println("Message " + msg);

try {

Message message = new MimeMessage(session);

message.setFrom(new InternetAddress(userid));

message.setRecipients(Message.RecipientType.TO,

InternetAddress.parse(to));

message.setSubject(sub);

message.setText(msg);

Transport.send(message);

//System.out.println("Done");

return true;

} catch (MessagingException e) {

//System.out.println(e);

e.printStackTrace();

return false;

// throw new RuntimeException(e);

}

}

public static void main(String arg[]) {

// sendMail("sssssssssss");

}

}

**GenerateParsKeys.java**

/\*

\* To change this template, choose Tools | Templates

\* and open the template in the editor.

\*/

package com.app.action;

import java.util.Random;

/\*\*

\*

\* @author JavaTL

\*/

public class GenerateParsKeys {

private static final String CHAR\_LIST =

"abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890";

private static final int RANDOM\_STRING\_LENGTH = 18;

public String generatesRandomString(){

StringBuffer randStr = new StringBuffer();

for(int i=0; i<RANDOM\_STRING\_LENGTH; i++){

int number = getRandomNumber();

char ch = CHAR\_LIST.charAt(number);

randStr.append(ch);

}

return randStr.toString();

}

private int getRandomNumber() {

int randomInt = 0;

Random randomGenerator = new Random();

randomInt = randomGenerator.nextInt(CHAR\_LIST.length());

if (randomInt - 1 == -1) {

return randomInt;

} else {

return randomInt - 1;

}

}

}

**GeneratePrivatekeys.java**

/\*

\* To change this template, choose Tools | Templates

\* and open the template in the editor.

\*/

package com.app.utility;

import java.util.Random;

public class Generateprivatekeys {

private static final String CHAR\_LIST =

"abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ1234567890";

private static final int RANDOM\_STRING\_LENGTH = 18;

public String generateRandomString(){

StringBuffer randStr = new StringBuffer();

for(int i=0; i<RANDOM\_STRING\_LENGTH; i++){

int number = getRandomNumber();

char ch = CHAR\_LIST.charAt(number);

randStr.append(ch);

}

return randStr.toString();

}

private int getRandomNumber() {

int randomInt = 0;

Random randomGenerator = new Random();

randomInt = randomGenerator.nextInt(CHAR\_LIST.length());

if (randomInt - 1 == -1) {

return randomInt;

} else {

return randomInt - 1;

}

}

}

**ViewFiles.jsp**

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

<!DOCTYPE html>

<!-- Website template by freewebsitetemplates.com -->

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

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

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

<%@page import="com.app.utility.DBConnectionn"%>

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

<html lang="zxx" class="no-js">

<head>

<!-- Mobile Specific Meta -->

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!-- Favicon-->

<link rel="shortcut icon" href="img/fav.png">

<!-- Author Meta -->

<meta name="author" content="colorlib">

<!-- Meta Description -->

<meta name="description" content="">

<!-- Meta Keyword -->

<meta name="keywords" content="">

<!-- meta character set -->

<meta charset="UTF-8">

<!-- Site Title -->

<title>Travel</title>

<link href="https://fonts.googleapis.com/css?family=Poppins:100,200,400,300,500,600,700" rel="stylesheet">

<!--

CSS

============================================= -->

<link rel="stylesheet" href="css/linearicons.css">

<link rel="stylesheet" href="css/font-awesome.min.css">

<link rel="stylesheet" href="css/bootstrap.css">

<link rel="stylesheet" href="css/magnific-popup.css">

<link rel="stylesheet" href="css/jquery-ui.css">

<link rel="stylesheet" href="css/nice-select.css">

<link rel="stylesheet" href="css/animate.min.css">

<link rel="stylesheet" href="css/owl.carousel.css">

<link rel="stylesheet" href="css/main.css">

</head>

<body>

<header id="header">

<div class="header-top">

<div class="container">

<div class="row align-items-center">

</div>

</div>

</div>

<div class="container main-menu">

<div class="row align-items-center justify-content-between d-flex">

<div id="logo">

<b><a style="font-size:130%; color: yellow;" href="index.html">Privacy-Preserving Indexing And Query Processing</a></b><br>

<b> <a style="font-size:130%; color: yellow;" href="index.html"> For Secure Dynamic Cloud Storage</a></b><br>

</div>

<br>

<nav id="nav-menu-container">

<ul class="nav-menu">

<li><a href="viewdata.jsp">BACK</a></li>

</ul>

</nav>

</div>

</div>

</header><!-- #header -->

<!-- start banner Area -->

<section class="about-banner relative">

<div class="overlay overlay-bg"></div>

<div class="container">

<div class="row d-flex align-items-center justify-content-center">

<div class="about-content col-lg-12">

<h1 class="text-white">

File Data

</h1>

<%

Connection con = null;

PreparedStatement ps = null;

ResultSet rs = null;

int sno = 0;

try{

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

System.out.println(fileid);

String query = "select \*from upload where fileid='"+fileid+"'";

con = DBConnectionn.getConnection();

ps = con.prepareStatement(query);

rs = ps.executeQuery();

while(rs.next()){

sno++;

String cipherdata= rs.getString(7);

String ownername=rs.getString("ownername");

String fname=rs.getString("filename");

Statement stm1=con.createStatement();

//ses.setAttribute("uid",uid);

//ses.setAttribute("email",email);

//ses.setAttribute("uid",uid);

%>

<center>

<textarea rows="30" cols="50"> <%=cipherdata%></textarea>

</center>

<%

}

}catch(Exception e){

System.out.println("Error at Getting File "+e.getMessage());

e.printStackTrace();

}

%>

</table>

</div>

</div>

</div>

</body>

</html>

**filesdata.jsp**

<!DOCTYPE html>

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

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

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

<%@page import="com.app.utility.DBConnectionn"%>

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

<html lang="zxx" class="no-js">

<head>

<!-- Mobile Specific Meta -->

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!-- Favicon-->

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<link rel="stylesheet" href="css/jquery-ui.css">

<link rel="stylesheet" href="css/nice-select.css">

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<link rel="stylesheet" href="css/owl.carousel.css">

<link rel="stylesheet" href="css/main.css">

</head>

<body>

<header id="header">

<div class="header-top">

<div class="container">

<div class="row align-items-center">

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<div class="container main-menu">

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<div id="logo">

<b><a style="font-size:130%; color: yellow;" href="index.html">Privacy-Preserving Indexing And Query Processing</a></b><br>

<b> <a style="font-size:130%; color: yellow;" href="index.html"> For Secure Dynamic Cloud Storage</a></b><br>

</div>

<br>

<nav id="nav-menu-container">

<ul class="nav-menu">

<li><a href="cloudhome.jsp">BACK</a></li>

</ul>

</nav>

</div>

</div>

</header><!-- #header -->

<!-- start banner Area -->

<section class="about-banner relative">

<div class="overlay overlay-bg"></div>

<div class="container">

<div class="row d-flex align-items-center justify-content-center">

<div class="about-content col-lg-12">

<h1 class="text-white">

FILE DETAILS

</h1><br>

<fieldset>

<table align="center" border="1" bordercolor="YELLOW" cellspacing="1px" cellpadding="10px" width="10px">

<tr>

<th><font color='Red'>FILE ID</font></th>

<th><font color='Red'>OWNER ID</font></th>

<th><font color='Red'>INDEX</font></th>

<th><font color='Red'>OWNERNAME</font></th>

<th><font color='Red'>MAIL</font></th>

<th><font color='Red'>FILENAME</font></th>

<th><font color='Red'>PRIVATEKEY</font></th>

</tr>

<%

Connection con = null;

PreparedStatement ps = null;

ResultSet rs = null;

int sno = 0;

try{

String query = "select \*from upload";

con = DBConnectionn.getConnection();

ps = con.prepareStatement(query);

rs = ps.executeQuery();

while(rs.next()){

int fileid=rs.getInt("fileid");

String ownerid = rs.getString(2);

String index= rs.getString(3);

String ownername= rs.getString(4);

String mailid= rs.getString(5);

String filename= rs.getString(8);

String privatekey= rs.getString(9);

%>

<tr>

<td><font color='white'><%=fileid%></font></td>

<td><font color='white'><%=ownerid%></font></td>

<td><font color='white'><%=index%></font></td>

<td><font color='white'><%=ownername%></font></td>

<td><font color='white'><%=mailid%></font></td>

<td><font color='white'><%=filename%></font></td>

<td><font color='white'><%=privatekey%></font></td>

</tr>

<%

}

}catch(Exception e){

System.out.println("Error at Getting File "+e.getMessage());

e.printStackTrace();

}

%>

</table>

</fieldset><br><br><br>

</form>

</div>

</div>

</div>

</section>

<!-- End banner Area -->

</body>

</html>

**user.jsp**

<!DOCTYPE html>

<html lang="zxx" class="no-js">

<head>

<!-- Mobile Specific Meta -->

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!-- Favicon-->

<link rel="shortcut icon" href="img/fav.png">

<!-- Author Meta -->

<meta name="author" content="colorlib">

<!-- Meta Description -->

<meta name="description" content="">

<!-- Meta Keyword -->

<meta name="keywords" content="">

<!-- meta character set -->

<meta charset="UTF-8">

<!-- Site Title -->

<title>Travel</title>

<link href="https://fonts.googleapis.com/css?family=Poppins:100,200,400,300,500,600,700" rel="stylesheet">

<!--

CSS

============================================= -->

<link rel="stylesheet" href="css/linearicons.css">

<link rel="stylesheet" href="css/font-awesome.min.css">

<link rel="stylesheet" href="css/bootstrap.css">

<link rel="stylesheet" href="css/magnific-popup.css">

<link rel="stylesheet" href="css/jquery-ui.css">

<link rel="stylesheet" href="css/nice-select.css">

<link rel="stylesheet" href="css/animate.min.css">

<link rel="stylesheet" href="css/owl.carousel.css">

<link rel="stylesheet" href="css/main.css">

</head>

<body>

<header id="header">

<div class="header-top">

<div class="container">

<div class="row align-items-center">

</div>

</div>

</div>

<div class="container main-menu">

<div class="row align-items-center justify-content-between d-flex">

<div id="logo">

<b><a style="font-size:130%; color: yellow;" href="index.html">Privacy-Preserving Indexing And Query Processing</a></b><br>

<b> <a style="font-size:130%; color: yellow;" href="index.html"> For Secure Dynamic Cloud Storage</a></b><br>

</div>

<br>

<nav id="nav-menu-container">

<ul class="nav-menu">

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

<li><a href="owner.jsp">DataOwner</a></li>

<li><a href="user.jsp">Datauser</a></li>

<li><a href="tpa.jsp">Thirdparty</a></li>

<li><a href="cloud.jsp">CloudServer</a></li>

</ul>

</nav>

</div>

</div>

</header><!-- #header -->

<!-- start banner Area -->

<section class="about-banner relative">

<div class="overlay overlay-bg"></div>

<div class="container">

<div class="row d-flex align-items-center justify-content-center">

<div class="about-content col-lg-12">

<h1 class="text-white">

DataUser Login

</h1><br>

<form action="user\_login"method="get"name="name" onsubmit="return validate()">

<strong style="color: #4cd3e3;"> USER NAME:</strong><br>

<input type="text" name="username"placeholder="enter name"></input><br><br>

<strong style="color: #4cd3e3;">PASSWORD:</strong><br>

<input type="password" name="password"placeholder="enter password"></input><br></br>

<input type="submit" value="SignIn"></input><br><br><br><BR><BR>

</form>

</div>

</div>

</div>

<br><br>

</section>

<!-- End banner Area -->

</body>

</html>

**sendkey.jsp**

<%@page import="com.app.utility.Generatedprivatekeyys"%>

<%@page import="com.app.action.mail\_Send"%>

<%@page import="com.app.utility.GenerateAggrigatekeys"%>

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

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

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

<%@page import="com.app.utility.DBConnectionn"%>

<%boolean k=true;

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

String user = request.getParameter("emailid");

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

Generatedprivatekeyys g3=new Generatedprivatekeyys();

String pri = g3.generatekey();

GenerateAggrigatekeys g=new GenerateAggrigatekeys();

String agg= g.generatedRandom();

if(k==true){

mail\_Send.sendMail("the file name is: "+filename+" ,the privatekey is: "+pri+", the aggrigatekey is: "+agg+" ", "File Key Information", "userid", user);

Connection con=DBConnectionn.getConnection();

Statement stmt=con.createStatement();

int key1=stmt.executeUpdate("Update filerequest set privatekey ='"+pri+"',aggrigatekey ='"+agg+"' where fileid='"+fileid+"'");

response.sendRedirect("requestdata.jsp?mail=public key send sucess..!");}

else{

System.out.println("Error found to sending mail..!");

response.sendRedirect("requestdata.jsp?mailf=public key send fails..!");

}

%>