**SAMPLE CODINGS**

**download.java**

/\*

\* To change this template, choose Tools | Templates

\* and open the template in the editor.

\*/

package Network;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStream;

import java.io.InputStreamReader;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.Statement;

import java.text.DateFormat;

import java.text.SimpleDateFormat;

import java.util.Calendar;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import DataBaseCon.DbConnection;

import Algorithm.CaesarCipher;

/\*\*

\*

\* @author java4

\*/

public class download extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

PrintWriter out = response.getWriter();

try {

String fname = null;

InputStream is = null;

Connection con = DbConnection.getConnection();

Statement st = con.createStatement();

Statement st1 = con.createStatement();

HttpSession user = request.getSession();

HttpSession session = request.getSession(true);

String uname = (String) session.getAttribute("sssname");

String fileid = (String) session.getAttribute("passd");

System.out.println("FileID MAC :" + fileid);

ResultSet rs = st.executeQuery("select \* from file\_storage where mac1='" + fileid + "' OR mac2='" + fileid + "' OR mac3='" + fileid + "'");

if (rs.next()) {

fname = rs.getString("filename");

is = (InputStream) rs.getAsciiStream("file");

} else {

System.out.println("error while retreiving data");

}

BufferedReader br = new BufferedReader(new InputStreamReader(is));

String temp = null;

StringBuffer sb = new StringBuffer();

while ((temp = br.readLine()) != null) {

sb.append(temp);

}

int IDE = 1;

String content = new CaesarCipher().decrypt(sb.toString(), IDE);

response.setHeader("Content-Disposition", "attachment;filename=\"" + fname + "\"");

out.write(content);

Calendar cal = Calendar.getInstance();

DateFormat dateformat = new SimpleDateFormat("yyyy/MM/dd HH:mm:ss");

String time = dateformat.format(cal.getTime());

System.out.println("download time:" + time);

st1.executeUpdate("insert into downloads (filename,username,time)values('" + fname + "','" + uname + "','" + time + "')");

// response.sendRedirect("down.jsp");

} catch (Exception e) {

e.printStackTrace();

} finally {

out.close();

}

}

// <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 {

processRequest(request, response);

}

/\*\*

\* 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 {

processRequest(request, response);

}

/\*\*

\* Returns a short description of the servlet.

\*

\* @return a String containing servlet description

\*/

@Override

public String getServletInfo() {

return "Short description";

}// </editor-fold>

}

**NewServlet.java**

/\*

\* To change this template, choose Tools | Templates

\* and open the template in the editor.

\*/

package Network;

import Algorithm.CaesarCipher;

import DataBaseCon.DbConnection;

import DataBaseCon.Ftpcon;

import com.oreilly.servlet.MultipartRequest;

import java.io.File;

import java.io.FileWriter;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.text.DateFormat;

import java.text.SimpleDateFormat;

import java.util.Date;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.oreilly.servlet.multipart.MultipartParser;

import java.io.BufferedInputStream;

import java.io.BufferedOutputStream;

import java.io.BufferedReader;

import java.io.FileInputStream;

import java.io.FileOutputStream;

import java.io.InputStream;

import java.io.OutputStream;

import java.sql.SQLException;

/\*\*

\*

\* @author java4

\*/

public class NewServlet extends HttpServlet {

File file;

final String filepath = "D:/";

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

PrintWriter out = response.getWriter();

try {

HttpSession user = request.getSession(true);

String fname = (String) user.getAttribute("filenames");

String fpath = (String) user.getAttribute("filepathh");

String f1, f2, f3;

f1 = fpath + "/" + fname;

f2 = fpath + "\\" + fname + "2";

f3 = fpath + "\\" + fname + "3";

System.out.println("--------->>" + f1);

System.out.println("Welcome File Upload");

MultipartRequest m = new MultipartRequest(request, filepath);

String mac1 = m.getParameter("mac1");

String mac2 = m.getParameter("mac2");

String mac3 = m.getParameter("mac3");

String block1 = m.getParameter("block1");

String block2 = m.getParameter("block2");

String block3 = m.getParameter("block3");

String CeasarBlock;

System.out.println("Print Value M1 :" + mac1 + "M2" + mac2 + "m3" + mac3 + "\nB1" + block1 + "\nB2" + block2 + "\nB3" + block3);

String plain = (String) user.getAttribute("CipherText");

int IDS = 1;

String CaesarCipher = new CaesarCipher().encrypt(plain.toString(), IDS);

FileWriter fw = new FileWriter(f1);

fw.write(CaesarCipher);

fw.close();

boolean status = new Ftpcon().upload(new File(f1));

System.out.println("Status----->" + status);

if(status){

String users = user.getAttribute("sssname").toString();

DateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd HH:mm:ss");

Date date = new Date();

String time = dateFormat.format(date);

PreparedStatement pstm1 = null;

PreparedStatement pstm2 = null;

Connection con = DbConnection.getConnection();

String sq2 = "insert into file\_storage (filename, file, block1, block2, block3, username, up\_time, mac1, mac2, mac3) values (?, ?, ?, ?, ?, ?, ?, ?, ?, ?) ";

pstm1 = con.prepareStatement(sq2);

pstm1.setString(1, fname);

pstm1.setString(2, plain);

pstm1.setString(3, block1);

pstm1.setString(4, block2);

pstm1.setString(5, block3);

pstm1.setString(6, users);

pstm1.setString(7, time);

pstm1.setString(8, mac1);

pstm1.setString(9, mac2);

pstm1.setString(10, mac3);

boolean sd = pstm1.execute();

System.out.println(sd);

try {

String sql3 = "insert into file\_view (file\_name, username, mac1, mac2, mac3, time, file, status, file\_status) values (?, ?, ?, ?, ?, ?, ?, ?, ?) ";

pstm2 = con.prepareStatement(sql3);

pstm2.setString(1, fname);

pstm2.setString(2, users);

pstm2.setString(3, mac1);

pstm2.setString(4, mac2);

pstm2.setString(5, mac3);

pstm2.setString(6, time);

pstm2.setString(7, plain);

pstm2.setString(8, "Yes");

pstm2.setString(9, "Original File");

boolean sdd = pstm2.execute();

System.out.println(sdd);

if (sdd = false) {

response.sendRedirect("upload.jsp?msg=File\_upload\_to\_cloud");

} else {

response.sendRedirect("upload.jsp?msg=File\_upload\_to\_cloud");

}

} catch (SQLException ex) {

ex.printStackTrace();

}

}

} catch (Exception e) {

e.printStackTrace();

}

}

public void split(String FilePath, long splitlen) {

long leninfile = 0, leng = 0;

int count = 1, data;

try {

File filename = new File(FilePath);

//RandomAccessFile infile = new RandomAccessFile(filename, "r");

InputStream infile = new BufferedInputStream(new FileInputStream(filename));

data = infile.read();

while (data != -1) {

filename = new File(FilePath + count + ".sp");

//RandomAccessFile outfile = new RandomAccessFile(filename, "rw");

OutputStream outfile = new BufferedOutputStream(new FileOutputStream(filename));

while (data != -1 && leng < splitlen) {

outfile.write(data);

leng++;

data = infile.read();

}

leninfile += leng;

leng = 0;

outfile.close();

count++;

}

} catch (Exception e) {

e.printStackTrace();

}

}

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throws ServletException, IOException {

processRequest(request, response);

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@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);

}

/\*\*

\* Returns a short description of the servlet.

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@Override

public String getServletInfo() {

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