```
package servlet;



import java.io.BufferedWriter;
import java.io.File;
import java.io.FileInputStream;
import java.io.FileWriter;
import java.io.IOException;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.ArrayList;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import Implements.Implements;
import Interface.Interfaces;
import bean.Block;
import bean.Product_upload_bean;



import com.oreilly.servlet.multipart.FilePart;
```

```
import com.oreilly.servlet.multipart.MultipartParser;
import com.oreilly.servlet.multipart.ParamPart;
import com.oreilly.servlet.multipart.Part;

import DbConnection.ConnectionQuery;

/**
 * Servlet implementation class Manufacturer_upload
 */
@WebServlet("/Manufacturer_upload")
public class Manufacturer_upload extends HttpServlet {
	private static final long serialVersionUID = 1L;

   /**
    * @see HttpServlet#HttpServlet()
    */
   public Manufacturer_upload() {
      super();
      // TODO Auto-generated constructor stub
   }

	/**
	 * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
	 */
	protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
		// TODO Auto-generated method stub
	}
```

```
	/**
	 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
	 */
	protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {



		HttpSession hs=request.getSession();
		String user=(String)hs.getAttribute("manu_userid");



		MultipartParser mp =new MultipartParser(request, 999999999);



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


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




				Part part = null;
				ArrayList paramValues = new ArrayList();


				FilePart filepart = null;
				ParamPart param=null;
				File file1 = null;
				String filepath1 = null;
				String filetype=null;
```

```
String filepath2 = null;



long size=0;
String path=getServletContext().getRealPath("");

System.out.println("path000000000000000000000000=="+path);



String editpath=path.substring(0, path.indexOf("."));

System.out.println("edithpath1111111111111111======"+editpath);

String fullpath=editpath+"BC_Medicine\\WebContent\\LOCAL\\";



System.out.println("fullpath333333333333333=="+fullpath);

while((part=mp.readNextPart())!=null)
{

        if(part.isFile())
        {

                filepart=(FilePart)part;



         filename=filepart.getFileName();
```

```
System.out.println("filename9999999999999999=="+filename);

                                        fullpath=fullpath+filename;

System.out.println("fullpath5555555555555555555=="+fullpath);



                                                File file=new File(fullpath);
                                            size=filepart.writeTo(file);

                                                System.out.println("size6666666666666=="+size);

                                        filetype=filepart.getContentType();
                                                System.out.println("filetype88888888888---"+filetype);

                                            }
                                            else if(part.isParam())
                                            {
                                                param = (ParamPart) part;
                                                String tagName =param.getName();
                                                System.out.println("tagName ============= " +
tagName);
                                                String tagValue = param.getStringValue();
                                                System.out.println("tagValue ********** " +
tagValue);

                                                paramValues.add(tagValue);
```

```
                                paramValues.add(tagName);



                        }


                }
                        // FileInputStrean get bytes from file

                String filecontent = "";
                String encrpt = null;
                 String encontent = null;



                if (filename.endsWith(".txt")) {// if open

//file encrypted and store into filepath1

                                FileInputStream fis = new FileInputStream(fullpath);
                                byte[] b = new byte[fis.available()];
                                fis.read(b);
                                String reading = new String(b);
                                filecontent = filecontent + reading;
 System.out.println("filecontent=" + filecontent);

 try {//try1 open


                encontent = AES.encrypt99(filecontent);
                        System.out.println("encontent===="+encontent);
```

```
filepath1 = editpath + "\\BC_Medicine\\WebContent\\Encrypt\\"+filename;
    file1 = new File(filepath1);
        file1.createNewFile();
        if (!file1.exists()) {file1.createNewFile();}// If file doesn't exists, then create it
        FileWriter fw = new FileWriter(file1.getAbsoluteFile());
                                BufferedWriter bw = new BufferedWriter(fw);
        bw.write(encontent);// Write in file
        bw.close();// Close connection
        System.out.println("fileeeeeeeeeeeeeeeee" + filepath1);

 //file decrypted and store into filepath2
        String decontent= AES.decrypt(encontent);
                                System.out.println("decontent===="+decontent);
              filepath2 = editpath + "\\BC_Medicine\\WebContent\\Decrypt\\"+filename;
        File file2 = new File(filepath2);
        file2.createNewFile();
        if (!file1.exists()) {file1.createNewFile();}// If file doesn't exists, then create it
        FileWriter fw1 = new FileWriter(file2.getAbsoluteFile());
                                BufferedWriter bw1 = new BufferedWriter(fw1);
        bw1.write(decontent);// Write in file
        bw1.close();// Close connection
        System.out.println("fileeeeeeeeeeeeeeeee" + filepath2);



        } catch (Exception e) {

                                        e.printStackTrace();
                                }
```

```
}

String prehash="";
String afterhash="";



Connection con;
con=ConnectionQuery.create();
try {
	PreparedStatement pa=con.prepareStatement("SELECT prehash,afterhash FROM `online_medicine`.`manufacture_upload` where useremail='"+user+"'");
	ResultSet rs=pa.executeQuery();
	while(rs.next()){
		prehash=rs.getString(1);
		afterhash=rs.getString(2);


	}

} catch (SQLException e) {
	// TODO Auto-generated catch block
	e.printStackTrace();
}

System.out.println(afterhash);
prehash=afterhash;
```

```
                    Block genesisBlock = new Block("Hi im the first block", "0");

                    String phas=genesisBlock.hash;

                    Block secondBlock = new Block("Yo im the second
block",genesisBlock.hash);
                    System.out.println("Hash for block 2 : " + secondBlock.hash);
                    String aphas=secondBlock.hash;



                Product_upload_bean pu=new Product_upload_bean();
                pu.setFilecontent(filecontent);
                pu.setFilename(filename);
                pu.setFilesize(String.valueOf(size));
                pu.setFiletype(filetype);
                pu.setUserid(user);
            pu.setFileid(paramValues.get(0).toString());
            pu.setPrehash(prehash);
            pu.setAfterhash(aphas);
            pu.setEncrypt(encontent);
            pu.setDecrypt(filecontent);



                Interfaces i=new Implements();
                int f = 0;
```

```
                    try {
                        f = i.manufacture_product_upload(pu);
                    } catch (SQLException e) {
                        // TODO Auto-generated catch block
                        e.printStackTrace();
                    }

if(f==1){

        response.sendRedirect("Manufa.jsp");



}

else

{
        response.sendRedirect("error.jsp");



}


                }

}package servlet;
```

```
import java.io.BufferedWriter;
import java.io.File;
import java.io.FileInputStream;
import java.io.FileWriter;
import java.io.IOException;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.ArrayList;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import Implements.Implements;
import Interface.Interfaces;
import bean.Block;
import bean.Product_upload_bean;


import com.oreilly.servlet.multipart.FilePart;
import com.oreilly.servlet.multipart.MultipartParser;
import com.oreilly.servlet.multipart.ParamPart;
import com.oreilly.servlet.multipart.Part;
```

```
import DbConnection.ConnectionQuery;


/**
 * Servlet implementation class Manufacturer_upload
 */
@WebServlet("/Manufacturer_upload")
public class Manufacturer_upload extends HttpServlet {
	private static final long serialVersionUID = 1L;


   /**
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   public Manufacturer_upload() {
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	/**
	 * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
	 */
	protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
		// TODO Auto-generated method stub
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	/**
	 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
	 */
```

```
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {

        HttpSession hs=request.getSession();
        String user=(String)hs.getAttribute("manu_userid");

        MultipartParser mp =new MultipartParser(request, 999999999);

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

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

                Part part = null;
                ArrayList paramValues = new ArrayList();

                FilePart filepart = null;
                ParamPart param=null;
                File file1 = null;
                String filepath1 = null;
                String filetype=null;
                String filepath2 = null;
```

```
long size=0;
String path=getServletContext().getRealPath("");

System.out.println("path000000000000000000000000=="+path);


String editpath=path.substring(0, path.indexOf("."));

System.out.println("edithpath1111111111111111======"+editpath);

String fullpath=editpath+"BC_Medicine\\WebContent\\LOCAL\\";


System.out.println("fullpath333333333333333=="+fullpath);

while((part=mp.readNextPart())!=null)
{

        if(part.isFile())
        {

                filepart=(FilePart)part;


         filename=filepart.getFileName();

System.out.println("filename9999999999999999=="+filename);
```

```
                                        fullpath=fullpath+filename;

        System.out.println("fullpath5555555555555555555=="+fullpath);


                                                File file=new File(fullpath);
                                            size=filepart.writeTo(file);

                                                System.out.println("size6666666666666=="+size);

                                        filetype=filepart.getContentType();
                                                System.out.println("filetype88888888888---"+filetype);

                                        }
                                        else if(part.isParam())
                                        {
                                                param = (ParamPart) part;
                                                String tagName =param.getName();
                                                System.out.println("tagName ============== " +
tagName);
                                                String tagValue = param.getStringValue();
                                                System.out.println("tagValue ********** " +
tagValue);

                                                paramValues.add(tagValue);
                                                paramValues.add(tagName);
```

```
                    }

                }
                    // FileInputStrean get bytes from file

                String filecontent = "";
                String encrpt = null;
                 String encontent = null;


                if (filename.endsWith(".txt")) {// if open

 //file encrypted and store into filepath1

                        FileInputStream fis = new FileInputStream(fullpath);
                        byte[] b = new byte[fis.available()];
                        fis.read(b);
                        String reading = new String(b);
                        filecontent = filecontent + reading;
  System.out.println("filecontent=" + filecontent);

  try {//try1 open


                encontent = AES.encrypt99(filecontent);
                        System.out.println("encontent===="+encontent);
filepath1 = editpath + "\\BC_Medicine\\WebContent\\Encrypt\\"+filename;
    file1 = new File(filepath1);
        file1.createNewFile();
```

```
        if (!file1.exists()) {file1.createNewFile();}// If file doesn't exists, then create it
        FileWriter fw = new FileWriter(file1.getAbsoluteFile());
                        BufferedWriter bw = new BufferedWriter(fw);
        bw.write(encontent);// Write in file
        bw.close();// Close connection
        System.out.println("fileeeeeeeeeeeeeeeee" + filepath1);

//file decrypted and store into filepath2
        String decontent= AES.decrypt(encontent);
                        System.out.println("decontent===="+decontent);
              filepath2 = editpath + "\\BC_Medicine\\WebContent\\Decrypt\\"+filename;
        File file2 = new File(filepath2);
        file2.createNewFile();
        if (!file1.exists()) {file1.createNewFile();}// If file doesn't exists, then create it
        FileWriter fw1 = new FileWriter(file2.getAbsoluteFile());
                        BufferedWriter bw1 = new BufferedWriter(fw1);
        bw1.write(decontent);// Write in file
        bw1.close();// Close connection
        System.out.println("fileeeeeeeeeeeeeeeee" + filepath2);


        } catch (Exception e) {

                                e.printStackTrace();
                        }


                }
```

```
String prehash="";
String afterhash="";



Connection con;
con=ConnectionQuery.create();
try {
	PreparedStatement pa=con.prepareStatement("SELECT prehash,afterhash FROM `online_medicine`.`manufacture_upload` where useremail='"+user+"'");
	ResultSet rs=pa.executeQuery();
	while(rs.next()){
		prehash=rs.getString(1);
		afterhash=rs.getString(2);


	}

} catch (SQLException e) {
	// TODO Auto-generated catch block
	e.printStackTrace();
}

System.out.println(afterhash);
prehash=afterhash;



Block genesisBlock = new Block("Hi im the first block", "0");
```

```
                String phas=genesisBlock.hash;

                Block secondBlock = new Block("Yo im the second
block",genesisBlock.hash);
                System.out.println("Hash for block 2 : " + secondBlock.hash);
                String aphas=secondBlock.hash;



                Product_upload_bean pu=new Product_upload_bean();
                pu.setFilecontent(filecontent);
                pu.setFilename(filename);
                pu.setFilesize(String.valueOf(size));
                pu.setFiletype(filetype);
                pu.setUserid(user);
        pu.setFileid(paramValues.get(0).toString());
        pu.setPrehash(prehash);
        pu.setAfterhash(aphas);
        pu.setEncrypt(encontent);
        pu.setDecrypt(filecontent);



                Interfaces i=new Implements();
                int f = 0;
                                try {
                                        f = i.manufacture_product_upload(pu);
                                } catch (SQLException e) {
```

```
                                        // TODO Auto-generated catch block
                                        e.printStackTrace();
                                }

if(f==1){

        response.sendRedirect("Manufa.jsp");



}

else

{
        response.sendRedirect("error.jsp");



}


                }

}
```