How to upload the file in to the MySql Database:

Upload.jsp:

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=ISO-8859-1"*>

<title>File Upload Servlet JSP JDBC MySQL Example</title>

<link

href=*"https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"*

rel=*"stylesheet"*

integrity=*"sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"*

crossorigin=*"anonymous"*>

</head>

<body>

<div class=*"container col-lg-6"*>

<h1 class=*"text-center"*>File Upload to Database Example - Servlet JSP JDBC MySQL </h1>

<div class=*"card"*>

<div class=*"card-body"*>

<form method=*"post"* class=*"form-group"* action=*"uploadServlet"*

enctype=*"multipart/form-data"*>

<div class=*"form-group"*>

<label for=*"first name"*>First Name: </label> <input type=*"text"*

class=*"form-control"* name=*"firstName"* size=*"50"* />

</div>

<div class=*"form-group"*>

<label for=*"last name"*>Last Name: </label> <input type=*"text"*

class=*"form-control"* name=*"lastName"* size=*"50"* />

</div>

<div class=*"form-group"*>

<label for=*"Profile Photo"*>Profile Photo:</label> <input

type=*"file"* name=*"photo"* size=*"50"* />

</div>

<input type=*"submit"* value=*"Save"* class=*"btn btn-success"*>

</form>

</div>

</div>

</div>

</body>

</html>

Message.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=ISO-8859-1"*>

<title>Message</title>

</head>

<body>

<center>

<h3><%=request.getAttribute("Message")%></h3>

</center>

</body>

</html>

**Create the Servlet File Named as FileUploadServlet**:

**package** FilePack.controller;

**import** java.io.IOException;

**import** java.io.InputStream;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.MultipartConfig;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

**import** javax.servlet.http.Part;

**import** FilePack.dao.FileUploadDao;

@WebServlet("/uploadServlet")

@MultipartConfig(maxFileSize = 16177215) // upload file's size up to 16MB

**public** **class** FileUploadServlet **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**private** FileUploadDao fileUploadDao;

@Override

**public** **void** init() {

fileUploadDao = **new** FileUploadDao();

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

// gets values of text fields

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

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

InputStream inputStream = **null**; // input stream of the upload file

String message = **null**;

// obtains the upload file part in this multipart request

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

**if** (filePart != **null**) {

// prints out some information for debugging

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();

}

// sends the statement to the database server

**int** row = fileUploadDao.uploadFile(firstName, lastName, inputStream);

**if** (row > 0) {

message = "File uploaded and saved into database";

}

// sets the message in request scope

request.setAttribute("Message", message);

// forwards to the message page

getServletContext().getRequestDispatcher("/Message.jsp")

.forward(request, response);

}

}

**Create package FilePack and add the class named as FileUploadDao**

FilePack.FileUploadDao:

**package** FilePack.dao;

**import** java.io.InputStream;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** java.sql.SQLException;

**public** **class** FileUploadDao {

**private** **static** **final** String ***url*** = "jdbc:mysql://localhost:3306/demo?useSSL=false";

**private** **static** **final** String ***user*** = "root";

**private** **static** **final** String ***password*** = "Root@123";

**private** **static** **final** String ***sql*** = "INSERT INTO contacts(first\_name,last\_name,photo)values (?,?,?)";

**public** **int** uploadFile(String firstName, String lastName, InputStream file) {

**int** row = 0;

**try** {

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

} **catch** (ClassNotFoundException e1) {

// **TODO** Auto-generated catch block

e1.printStackTrace();

}

**try** (Connection connection = DriverManager

.*getConnection*(***url***, ***user***, ***password***);

// Step 2:Create a statement using connection object

PreparedStatement preparedStatement = connection

.prepareStatement(***sql***)) {

preparedStatement.setString(1, firstName);

preparedStatement.setString(2, lastName);

**if** (file != **null**) {

// fetches input stream of the upload file for the blob column

preparedStatement.setBlob(3, file);

}

// sends the statement to the database server

row = preparedStatement.executeUpdate();

} **catch** (SQLException e) {

// process sql exception

printSQLException(e);

}

**return** row;

}

**private** **void** printSQLException(SQLException ex) {

**for** (Throwable e: ex) {

**if** (e **instanceof** SQLException) {

e.printStackTrace(System.***err***);

System.***err***.println("SQLState: " + ((SQLException) e).getSQLState());

System.***err***.println("Error Code: " + ((SQLException) e).getErrorCode());

System.***err***.println("Message: " + e.getMessage());

Throwable t = ex.getCause();

**while** (t != **null**) {

System.***out***.println("Cause: " + t);

t = t.getCause();

}

}

}

}

}