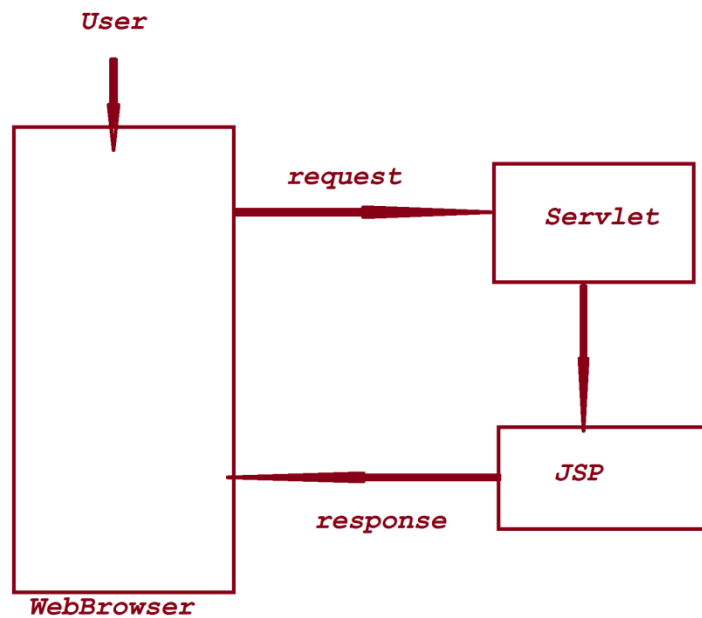
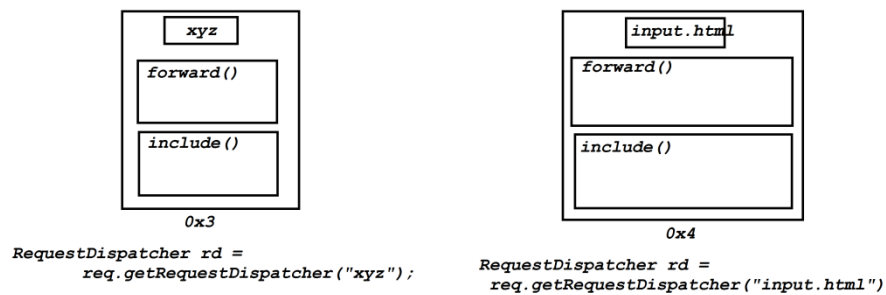


Dt : 2/12/2023



***imp**

JSP Programming:

=>JSP stands for 'Java Server Page' and which is response from Web-App.

=>JSP is more simple when compared with Servlet-programming,because JSP

is tag-based-programming language.

=>In JSP,the programs are saved with (.jsp) as an extention.

=>JSP programs will hold both HTML-Code and Java-Code.

=>JSP used the following tags to write Java-code in JSP programs:

1.Scripting tags

2.Directive tags

3.Action tags

1.Scripting tags:

=>The Scripting tags are used to write JavaCode in JSP programs.

=>These Scripting tags are categorized into the following:

(a)Scriptlet tag

(b)Expression tag

(c)Declarative tag

(a)Scriptlet tag:

=>Scriptlet tag is used to write Normal JavaCode or ServletCode in JSP programs.

syntax:

<% code %>

(b)Expression tag:

=>Expression tag is used to assign the value to variable or used to display the data to WebBrowser directly.

syntax:

<%= value/Expression %>

(c)Declarative tag:

=>Declarative tag is used to declare variables and methods in JSP Programs.

syntax:

<%! Variables;Methods %>

2.Directive tags:

=>The tags which are used to specify the directions in translation process of JSP Programs.

=>Directive tags are categorized into the following:

(a)@page

(b)@include

(c)@taglib

(a)@page:

=>'@page' will specify Language used in JSP,contextType,pageEncoding, importing and so on...

(Specifications about the JSP page)

syntax:

<%@page ... %>

(b)@include:

=>'@include' will specify which page must be included to current running JSP program

syntax:

<%@include file="File_name"/%>

(c)@taglib:

=>'@taglib' is used to link external libraries to current JSP program.

syntax:

<%@taglib%>

3.Action tags:

=>Action tags used to perform some actions related to JSP programs while execution process.

=>These Action tags are categorized into the following:

(a)<jsp:include>

(b)<jsp:forward>

(c)<jsp:param>

(d)<jsp:useBean>

(e)<jsp:setProperty>

(f)<jsp:getProperty>

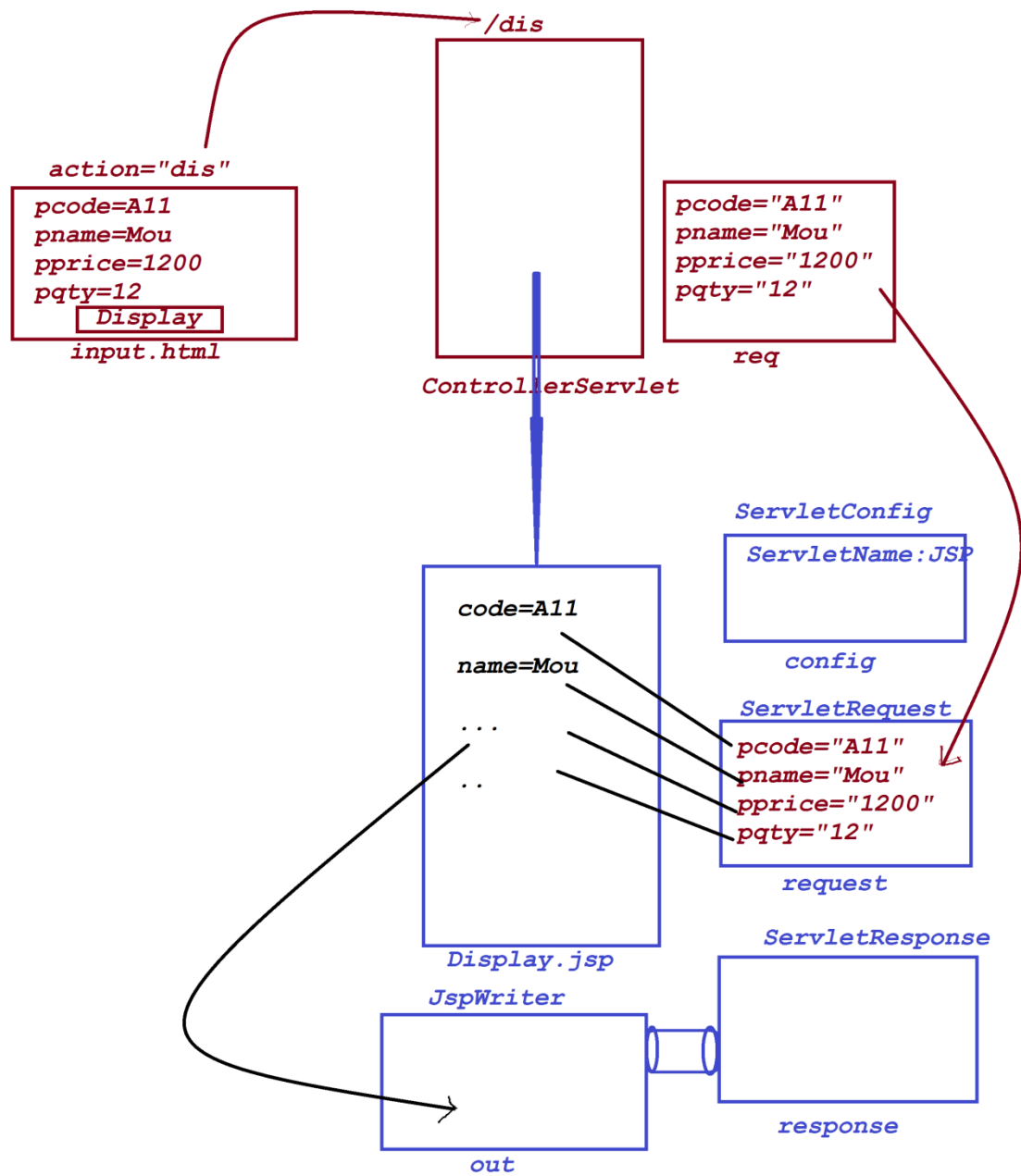
=====

===

Ex-application:(Demonstrating Communication b/w Servlet and JSP)

Layout:

Venkatesh Maipathii



input.html

```
<!DOCTYPE html>
<html>
```

```
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
  <form action="dis" method="post">
    ProductCode:<input type="text" name="pcode"><br>
    ProductName:<input type="text" name="pname"><br>
    ProductPrice:<input type="text" name="pprice"><br>
    ProductQty:<input type="text" name="pqty"><br>
    <input type="submit" name="Dispaly">
  </form>
</body>
</html>
```

ControllerServlet.java

```
package test;

import java.io.*;

import javax.servlet.*;

import javax.servlet.annotation.*;

@SuppressWarnings("serial")
@WebServlet("/dis")

public class ControllerServlet extends GenericServlet{

    @Override

    public void service(ServletRequest req,ServletResponse res)throws

    ServletException,IOException{

        RequestDispatcher rd =

            req.getRequestDispatcher("Display.jsp");

        rd.forward(req, res);
```

```
}  
  
}
```

Display.jsp

```
<%@ page language="java"  
        contentType="text/html; charset=ISO-8859-1"  
        pageEncoding="ISO-8859-1"%>  
<!DOCTYPE html>  
<html>  
<head>  
<meta charset="ISO-8859-1">  
<title>Insert title here</title>  
</head>  
<body>  
<%  
String code = request.getParameter("pcode");  
String name = request.getParameter("pname");  
float price =  
Float.parseFloat(request.getParameter("pprice"));  
int qty =  
Integer.parseInt(request.getParameter("pqty"));  
out.println("Code="+code);  
out.println("<br>Name="+name);  
out.println("<br>Price="+price);  
out.println("<br>Qty="+qty);  
%>  
</body>  
</html>
```

web.xml

```
<?xml version="1.0" encoding="UTF-8"?>  
<web-app>  
    <welcome-file-list>  
        <welcome-file>input.html</welcome-file>  
    </welcome-file-list>  
</web-app>
```


=====

=

Venkatesh Maipathii