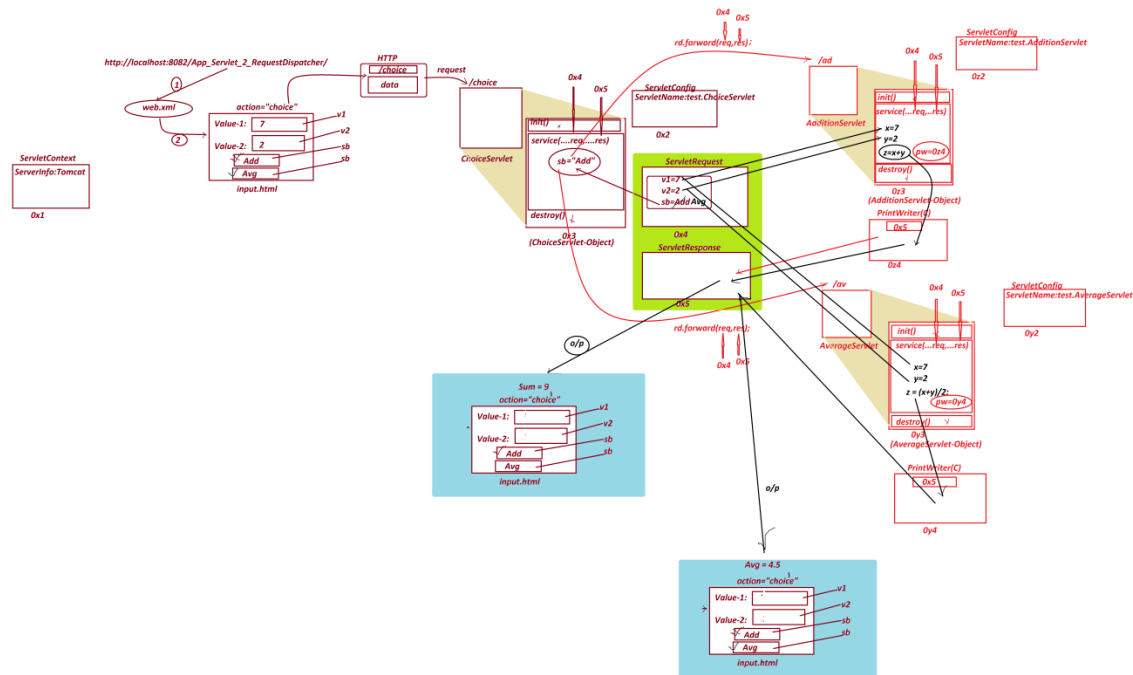


Dt : 23/10/2024(Day-24)

Ex-Application:(Demonstrating 'RequestDispatcher')

Layout:



ProjectName : App_Servlet_2

input.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<form action="choice" method="post">
Enter the value-1:<input type="text" name="v1"><br>
Enter the value-2:<input type="text" name="v2"><br>
<input type="submit" name="sb" value="Add">
<input type="submit" name="sb" value="Avg">
</form>
</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>
```

ChoiceServlet.java

package test;

import java.io.;*

import jakarta.servlet.;*

import jakarta.servlet.annotation.;*

@SuppressWarnings("serial")

@WebServlet("/choice")

public class ChoiceServlet extends GenericServlet

{

@Override

public void service(ServletRequest req, ServletResponse res) throws ServletException,

IOException

{

String sb = req.getParameter("sb");

if(sb.equals("Add")) {

RequestDispatcher rd = req.getRequestDispatcher("ad");

rd.forward(req, res);

}else {

RequestDispatcher rd = req.getRequestDispatcher("av");

rd.forward(req, res);

}

```
}
```

```
}
```

AdditionServlet.java

```
package test;
```

```
import java.io.*;
```

```
import jakarta.servlet.*;
```

```
import jakarta.servlet.annotation.*;
```

```
@SuppressWarnings("serial")
```

```
@WebServlet("/ad")
```

```
public class AdditionServlet extends GenericServlet
```

```
{
```

```
    @Override
```

```
    public void service(ServletRequest req, ServletResponse res) throws ServletException,
```

```
    IOException
```

```
{
```

```
    int x = Integer.parseInt(req.getParameter("v1"));
```

```
    int y = Integer.parseInt(req.getParameter("v2"));
```

```
    int z = x + y;
```

```
    PrintWriter pw = res.getWriter();
```

```
    res.setContentType("text/html");
```

```
    pw.println("Sum="+z+"<br>");
```

```
    RequestDispatcher rd = req.getRequestDispatcher("input.html");
```

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

```
}
```

```
}
```

AverageServlet.java

package test;

import java.io.;*

import jakarta.servlet.;*

import jakarta.servlet.annotation.;*

@SuppressWarnings("serial")

@WebServlet("/av")

public class AverageServlet extends GenericServlet

{

*public void service(ServletRequest req,ServletResponse res)throws ServletException,
IOException*

{

int x = Integer.parseInt(req.getParameter("v1"));

int y = Integer.parseInt(req.getParameter("v2"));

float z = (float)(x+y)/2;

PrintWriter pw = res.getWriter();

res.setContentType("text/html");

*pw.println("Avg="+z+"
");*

RequestDispatcher rd = req.getRequestDispatcher("input.html");

rd.include(req, res);

}

}

=====

Assignment:

Update above application with the following choices:

=>Sub

=>Mul

=>Div

=>ModDiv

=>Greater

=>Smaller

=====

Venkatesh Maipathii