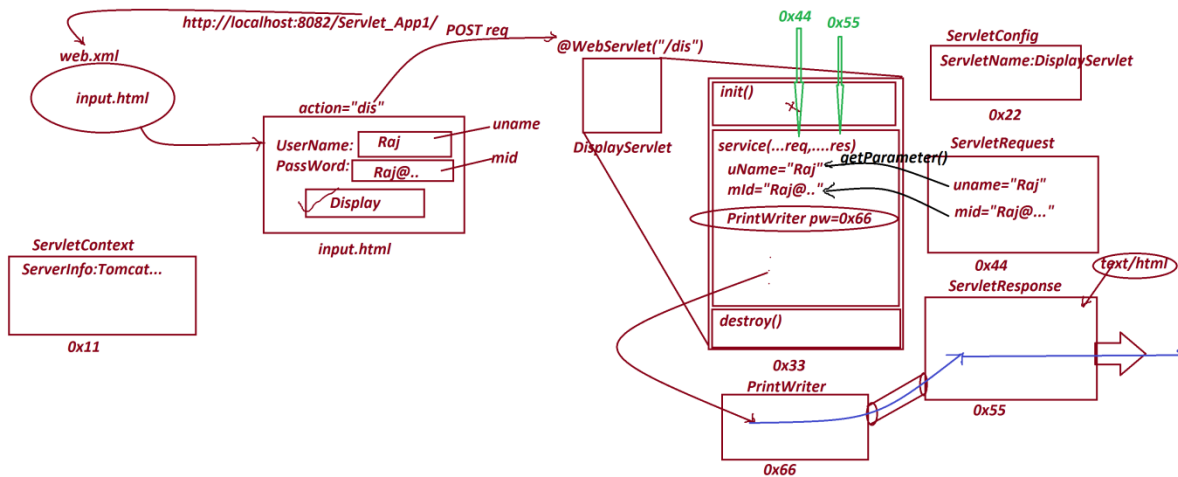


Dt : 20/5/2022

Execution flow of above application:

[http://localhost:8082/Servlet\\_App1/](http://localhost:8082/Servlet_App1/)



**ServletContext:**

=>ServletContext is an interface from javax.servlet package and which is instantiated automatically when the WebApp is deployed on to Server.

=>This ServletContext object is loaded with Server information.

**ServletConfig:**

=>ServletConfig is an interface from javax.servlet package and which is instantiated automatically when the Servlet program is loaded onto WebContainer for execution.

=>This ServletConfig object is loaded with Servlet name.

**ServletRequest:**

=>ServletRequest is an interface from javax.servlet package

*and which is instantiated automatically while service() method execution.*

*=>ServletRequest object will hold the data submitted from HTML form.*

**ServletResponse:**

*=>ServletResponse is an interface from javax.servlet package and which is also instantiated automatically while service() method execution.*

*=>ServletResponse object will hold the data which is sent as response.*

**faq:**

**define getWriter() method?**

*=>getWriter() method is from ServletResponse and which is used to create object for 'java.io.PrintWriter' class.*

**syntax:**

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

*=>using PrintWriter object we send the data as response.*

**faq:**

**define setContentType() method?**

*=>setContentType() method is also from ServletResponse and which specifies the type of data sent as response.*

**syntax:**

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

=====

**Assignment-1:**

**Construct Servlet Application to read and display Product details?**

**Assignment-2:**

**Construct Servlet Application to read and display Book Details?**

**Assignment-3:**

**Construct Servlet Application to read and display Employee  
Details?**

**Note:**

**Draw the execution flows for above applications**

=====

**\*imp**

**RequestDispatcher:**

**=>RequestDispatcher is an interface from javax.servlet package  
and which is used perform Servlet Communications.**

**=>This RequestDispatcher will provide the following two methods  
to perform Servlet Communications**

**(i)forward()**

**(ii)include()**

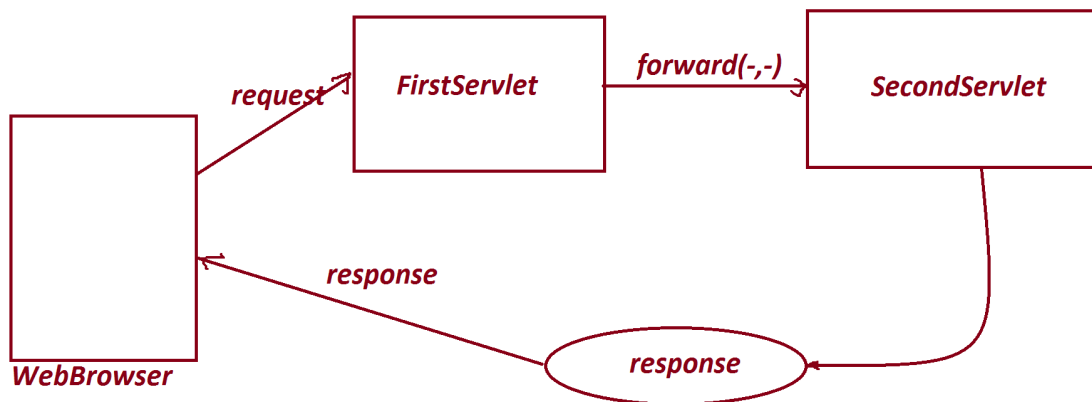
**(i)forward():**

=>forward() method is used to perform forward communication process.

=>In forward communication process FirstServlet will take the request and forwards the request to SecondServlet, in this process SecondServlet will give the response.

(SecondServlet can be replaced by JSP or HTML)

**Diagram:**



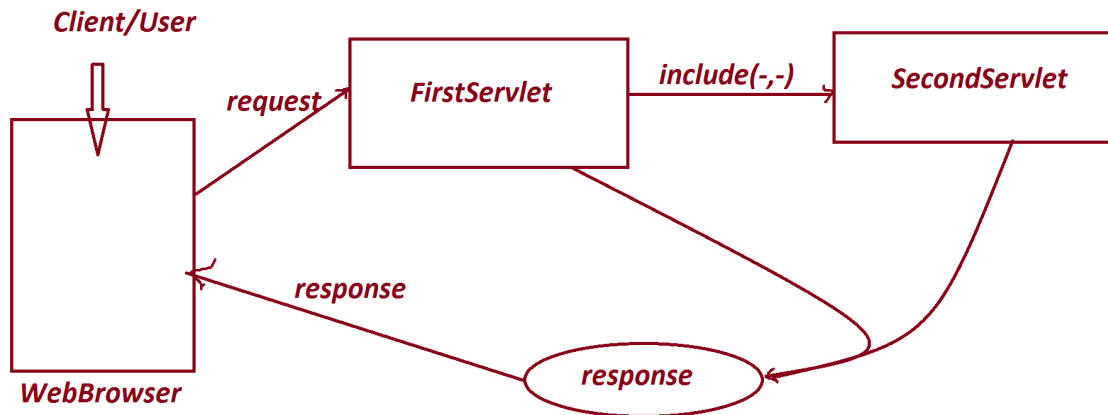
**(ii)include():**

=>include() method is used to perform include communication process.

=>In include Communication process FirstServlet will take the request and generate response, but the response is included with the response of SecondServlet.

*(SecondServlet can be replaced by JSP or HTML)*

**Diagram:**



=====

Venkatesh M