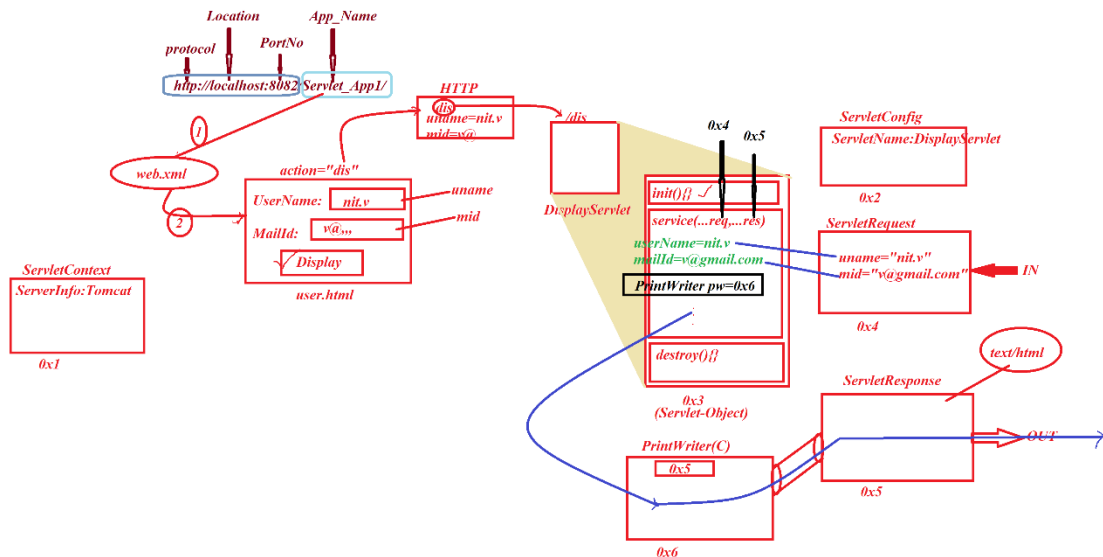


Dt : 26/3/2024

Execution flow of above application:

http://localhost:8082/Servlet_App1/

Layout:



ServletContext:

- => `ServletContext` is an interface from `javax.servlet` package and which is instantiated automatically when the Web Application deployed onto Server.
- => This `ServletContext` object is recorded with Server information.

ServletConfig:

- => `ServletConfig` is an interface from `javax.servlet` package and which is instantiated automatically when Servlet-program loaded for execution.
- => This `ServletConfig` object is recorded with Servlet-name.

Note:

- => After `ServletConfig` Object creation completed, then Servlet-Object is instantiated automatically

=>After Servlet-Object Instantiation,the execution-controls will fild the following life-cycle

methods

(i)init()

(ii)service()

(iii)destroy()

ServletRequest:

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

=>This ServletRequest object is loaded with the data submitted from HTML form.

ServletResponse:

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

=>ServletResponse Object is loaded with data which we are sending as response.

faq:

define getParameter() method?

=>getParameter()-method is used to get the parameter-values from ServletRequest object

into Servlet-Program

syntax:

String var = req.getParameter("para_name");

faq:

define getWriter() method?

=>getWriter()-method is from ServletResponse and which is used to create object for

'java.io.PrintWriter' Class

=>This PrintWriter-Object will hold the reference of ServletResponse Object,which means

these two objects are inter-linked with HAS-A relation.

syntax:

PrintWriter pw = res.getWriter();

faq:

define setContentType() method?

=>setContentType()-method is from ServletResponse and which specify the type of data we are sending as response.(Information to HTTP protocol)

syntax:

res.setContentType("text/html");

Assignment-1:

Construct Servlet Application to read and display Product details(code,name,price,qty)

Assignment-2 :

Construct Servlet Application to read and display BookDetails(code,name,autor,price,qty)

Note:

=>Use HTML/CSS/JS to design input