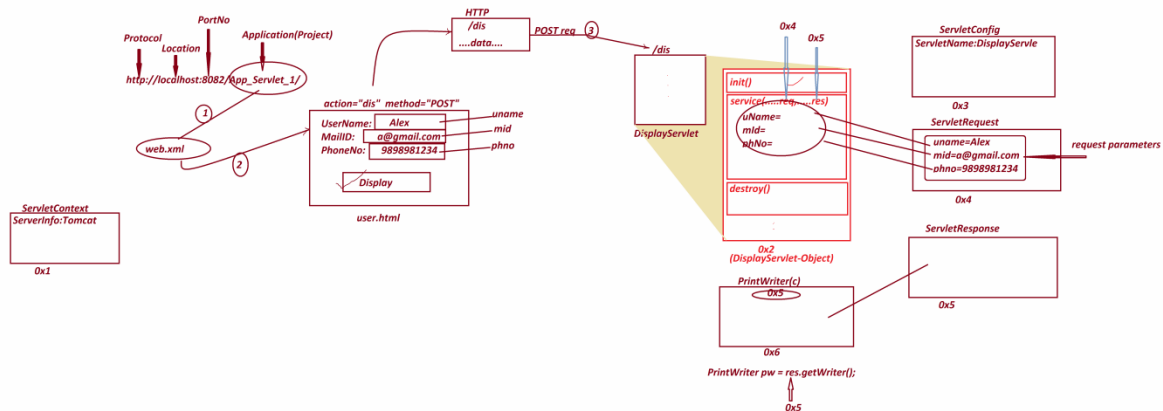


Dt : 27/3/2025

Execution Flow of above application:



ServletContext:

=>'ServletContext' is an interface from 'jakarta.servlet' package and which is instantiated automatically when WebApplication deployed into server.

=>This ServletContext-Object is recorded with Server information.

Note:

=>The Servlet-Program identified based on URL-Pattern and loaded for execution, and which is instantiated automatically.

=>After Servlet-Program instantiation, the execution controls will find the following

Servlet-Life-Cycle methods and executed automatically:

(i) `init()`

(ii) `service()`

(iii) `destroy()`

ServletConfig:

=>'ServletConfig' is an interface from 'jakarta.servlet' package and which is instantiated automatically before Life-Cycle-methods execution.

=>This ServletConfig-Object is loaded with Servlet_name.

ServletRequest:

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

=>This ServletRequest-Object is loaded with HTML form data.

ServletResponse:

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

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

faq:

define getParameter() method?

=>getParameter()-method is from 'ServletRequest' and which is used to read parameter-value

from request-Object to Servlet-Program.

Method Signature of getParameter():

public abstract java.lang.String getParameter(java.lang.String);

syntax:

String uName = req.getParameter("uname");

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 response of ServletResponse-Object

Method Signature of getWriter():

public abstract java.io.PrintWriter getWriter() throws java.io.IOException;

syntax:

PrintWriter pw = res.getWriter();

faq:

define setContentType() method?

=>setContentType()-method is from ServletResponse and which specify the type of data added to the response-object.

Method Signature of setContentType():

public abstract void setContentType(java.lang.String);

syntax:

res.setContentType("text/html");

Assignment:

Construct Servlet Applications to read and display Book details.

BookCode

BookName

BookAuthor

BookPrice

BookQty

Venkatesh Maipathii