Java Servlets 3.0

Lesson 04: Request Object

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Lesson Objectives

In this lesson, we will learn:

- Process GET and POST Requests from Web Clients
- Retrieve Parameters from HTML Forms

Processing Request: GET / POST

HTTP GET / POST Requests

- When a client sends a request for processing it could be either GET / POST HTTP method
- If no method is specified it defaults to be GET. These methods are exposed from the HTTP specification.
- In the GET method the parameters would be appended in URL. Thus there would be no security as parameters would be exposed in URL
- To use the POST method it must be explicitly stated in the HTML page in the form tag
- In the POST method the parameters would be appended in the request body. Thus the data would be secured as it is not exposed in URL.

Processing Request: Handling Form data

The servlet receives parameters using these methods of ServletRequest object:

- public String ServletRequest.getParameter (String name)
- public String[] ServletRequest.getParameterValues (String name)
- public Enumeration ServletRequest.getParameterNames()
- public String ServletRequest.getQueryString()
- public RequestDispatcher getRequestDispatcher(String url);

Demo : Handling Form data

Execute the ProcessRequest servlet that reads form data.

Lab: JSP Scripting Elements

Lab 2.1

Summary

In this lesson, we have learnt:

- Process GET and POST Requests from Web Clients
- Retrieve Parameters from HTML Client Forms

Review – Match the Following

1.getPathInfo()	A.Returns the means by which HTTP request was made
2.getQueryString()	B.Returns extra path info
3.getRemoteHost ()	C.Translates given path into real path
4.getRealPath()	D.Returns string following the URL
5.getContentType ()	E.Returns the fully qualified name of the client
6.getMethod ()	F.Returns the MIME type of the body of the request