

30 Lecture - CS506

Important Subjective

Certainly, here are 10 short-answer questions related to dispatching requests in servlets along with their answers:

****Question 1:**** What is request dispatching in servlets?

****Answer:**** Request dispatching involves transferring control from one servlet to another, allowing for modular processing and content reuse.

****Question 2:**** How is request forwarding different from request including?

****Answer:**** Request forwarding transfers control to a new servlet and the client's URL remains unchanged. Request including keeps control within the current servlet and the client's URL remains the same.

****Question 3:**** What is the purpose of the `forward()` method in servlets?

****Answer:**** The `forward()` method is used to forward a request and response from one servlet to another, enabling seamless data sharing and processing.

****Question 4:**** How can you forward a request to another servlet programmatically?

****Answer:**** You can use the `RequestDispatcher` obtained from `HttpServletRequest` to forward requests using the `forward()` method.

****Question 5:**** What is the benefit of including requests in servlets?

****Answer:** Request including allows sharing data and content between servlets, facilitating content reuse and reducing redundancy.**

****Question 6:** What happens to the response stream when you include a request?**

****Answer:** When you include a request using `include()`, the included servlet can modify the response stream, and the combined output is sent to the client.**

****Question 7:** How do you include a request from one servlet to another?**

****Answer:** You can include a request from one servlet to another using the `include()` method of `RequestDispatcher`.**

****Question 8:** How can request attributes be used in dispatching requests?**

****Answer:** Request attributes are used to share data between the dispatching servlet and the target servlet. They are set in the request object before dispatching.**

****Question 9:** What happens to the original response when a request is forwarded?**

****Answer:** When a request is forwarded, the original response headers are preserved, and the content generated by the target servlet is appended to the original response.**

****Question 10:** What is the difference between client-side and server-side forwarding?**

****Answer:** Server-side forwarding (servlet forwarding) is when the request is handled by the server, and control is transferred between servlets. Client-side forwarding (HTML meta refresh or JavaScript) instructs the browser to make a new request to a different URL.**