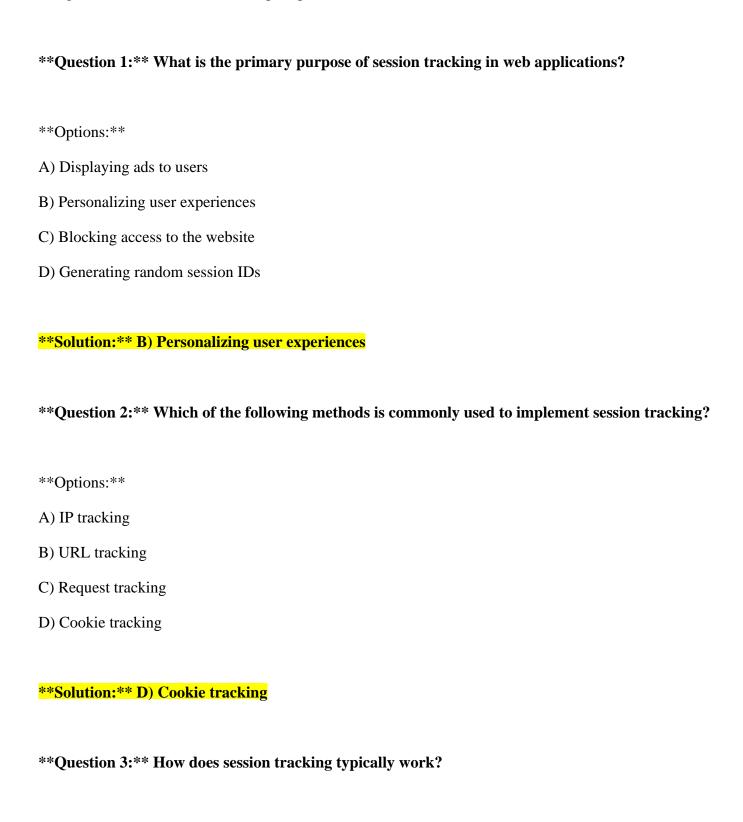
31 Lecture - CS506

Important Mcqs

Certainly, here are 10 multiple-choice questions (MCQs) related to session tracking in web applications, along with their solutions and multiple options:



Options:
A) Using user login credentials
B) Storing data in client-side cookies
C) Utilizing server-side sessions
D) Embedding data in HTML forms
Solution: C) Utilizing server-side sessions
Question 4: What is a session ID?
Options:
A) A unique identifier for the user's device
B) A randomly generated URL for session tracking
C) A token used to access restricted areas
D) An identifier to recognize a user's session
Solution: D) An identifier to recognize a user's session
Question 5: Which of the following is a common way to track sessions without using cookies?
Options:
A) IP address tracking
B) URL rewriting
C) Request headers tracking
D) HTML form tracking
Solution: B) URL rewriting
Question 6: How is session tracking through cookies advantageous for users?

Options:
A) It allows users to access restricted areas
B) It eliminates the need for user authentication
C) It provides a seamless and personalized experience
D) It speeds up the website loading process
Solution: C) It provides a seamless and personalized experience
Question 7: What is the purpose of a session timeout?
Options:
A) To forcibly end a user's session
B) To prevent unauthorized access
C) To limit the number of sessions
D) To reduce server load
Solution: A) To forcibly end a user's session **Question 8:** Which HTTP header field is used to store and transmit session IDs?
Options:
A) `Session-ID`
B) `Cookie-ID`
C) `Session-Header`
D) `Set-Cookie`
Solution: D) `Set-Cookie`

Question 9: In servlets, how can you access the session object?
Options:
A) Using the `getSession()` method of `HttpSession` interface
B) Using the `getSession()` method of `HttpServletRequest` interface
C) Using the `getSession()` method of `HttpServletResponse` interface
D) Using the `getSession()` method of `ServletContext` interface
Solution: B) Using the `getSession()` method of `HttpServletRequest` interface
Question 10: Which session tracking mechanism is most secure against user manipulation?
Options:
A) IP tracking
B) URL rewriting
C) Hidden form fields
D) Cookies with secure attributes
Solution: D) Cookies with secure attributes