

ASSIGNMENT #41

Date:

Difference b/w session and cookies

SESSION:

A way to store user-related data on the server temporarily, allowing a website to track and manage a user's interactions during a single visit or over a limited period of time.

COOKIE:

A small piece of data that is stored on the user's web browser by a website to remember information such as user preferences, login status, or browsing activity.

JWT TOKEN

A JSON web Token (JWT) is a secure way to send information b/w client and server. It is mainly used in web applications and APIs to verify users and prevent unauthorized access.

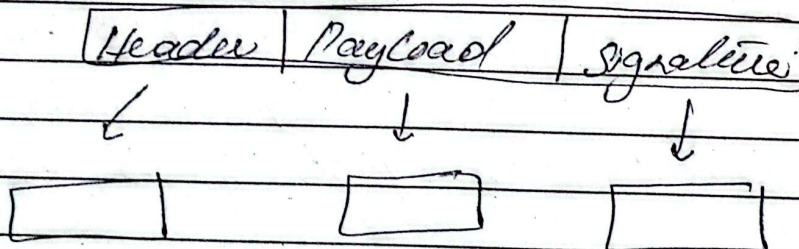
A JWT is JSON data secured with a cryptographic signature.

The signing can be done using these cryptographic methods.

HMAC (Hash-based msg Authentication Code);

RSA or ECDSA (Asymmetric cryptographic algorithm)

Structure:



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1. Header: Contain metadata about tokens.
2. Payload: Stores the claims, i.e. data being transmitted.
3. Signature: Ensures the token's integrity and authenticity.