

Assignment 11

Cookies:-

Small piece of data stored in user's device, Cookies are small text files stored in the user's browser, when you visit a website, the server can save the data on your computer, Cookies help websites remember user and track their activities to provide personalized experience.

Sessions:-

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 and a limited period of time.

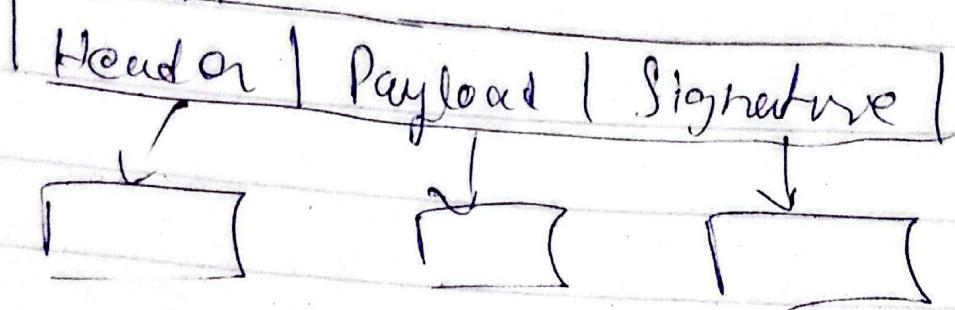
JWT token:-

A secure way to send information b/w a client and a server it is mainly used used in web application and APIs to verify user and prevent unauthorized access. JWT is JSON data second with a ~~with~~ cryptic cryptographic methods. HMAC (Hash-based msg Authentication code)

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RSA or ECDSA (Asymmetric cryptographic algorithm)

Structure:



i) Header: Contain metadata about tokens.

ii) Payload: Store the claims, i.e.: data being transmitted.

iii) Signature: Ensures the token's integrity and authenticity.

