

Assignment 11

Cookies:-

Small piece of data store 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.

Session:-

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 in web application and APIs to verify user and prevent unauthorized access. JWT is JSON data secured with a ~~crypt~~ cryptographic methods. HMAC (Hash-based msg Authentication code)

RSA or ECDSA (Asymmetric cryptographic algorithm)

Structure:



Header: Contain metadata about tokens.

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

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