## Cootail

D'arties are small impant of data surred on a neb browsers or users browsers.

2) They are used to store information between web request and manitari state in stateless Environment.

3) Web request one FITTP request. A HTTP is a stateless protocol. That is each request is treated as new independent event. The system doesnot retain any data about client's previous request.

1) Cookies are impuls for remembering usurs profesences.

Logno serious, toalkring user althity.

5) set cookie (nome, value, exporte, path, donain, geeure,

Value: Nome of the coolcie

Value: Value to be stored misside a coolcie

Expire: Eupiration Timexamp in unix timexamp.

if set to or or omnited cooke get Exporred

after the End of Review. That is cookied com

be set as sewim cookies (detekd when the

borowser closes) or peristent (stored for a specific

period).

UNEX timestamp is a way to represent time in seconds.

It is a single integer representing a no. of seconds

and also timezone independent. Also cross platforms

i.e. supported across many platforms and program.

Inglanguage.

\* use the time () function to get the current

timestamp.

\* Add the number of seconds after which the coolie should expire to the current time, parties expiration

\* Cookies that get expired in one days. \$ cookie\_name = " user"; & cookie-value = " gamar"; 11 set the cookie expire in one day ( 1 day = 86400 sounds) setcopicie ( & corokie norme, & coolu e value, time () + 86400, "/"); \* crokies that get expired after 30 days. setworke (&cookie vorme, &cookie value, time() + (86400 + 30), "/"); \* The path attribute in a cookie specifies the URL path or directory on the source for which the wokie is valid. The cookie will may be sent to server it the requested URL matches or under the specifical path. \* The path restricts where the cookies is accinible within the domain. If the coolie is set for specific path it will may be sent to that path or subdirectories under it. \* If the path is not set specified when setting a workie default path is the directory where the cookie was set. \* Explicitly set path to 1/ to the workie is accurible to Enthre \* it set for / folder/, will only be accumble to / tolder/ or any subdirectories like / folder subfolder. setwola'e (\$ evole'enome, & cookie-value, time ()+ 86400) "/folder/", " . Example . com"). Loodic will be available to for requests to URLS that start with /folder/ such as https://example.com/foldle/ or https:// Example. com/folder/page-html. \* Thus path attribute allows fine controll over which parts of the website com accus the working. \* The Domain attribute in a cookie specifies which domain the cookle is accisible to. It defines which website or subdomains can create or midify the cookie. If domain is not specified it is any acurible to domain. that created that coulcie. Couties commet be shoured between different domains Example. com commet be accused by other com coolde set for Example, com : [ capp. Example, com) · Example - com. 1

\* set the scence attribute to true" to ensure the wolcie is only sent over the HTTPS connections. Important for sentitive data like sculin IDS. \* The tritony attribute set to "true", porevents javascript from accessing the workie which is useful for porcuenting XSS (CUUSI-81 K-attack). setwokie (skootieneme, & worke-valle, trine() + 3000, "/", street, true 1) \* Example to store login state in a coolie, so the wer doesn't need to login each time 11 After login seterotie (" logged-in\_well", " glo", time) + (8640mx7), 11 on subsequent visit - If ( 18set ( \$ \_cookIE[ Logged\_in\_unit] )]. of eeno "welcome back" & wolcIE[ sofged the ments; Remembering user presperances: - we cookies to store user preferences like longarige or theme selection 11 set usure theme preference setwokie (" theme", "douk mode", trine() + 86400; (" 11 cheek & apply users theme preference. if (isset ( & cooles & [ theeme'])) [ & theme = \$ cookIE [ theme!]. else g. \$-theme = "light\_wode" \* Browsers offically limit wokies to 4kB each & marchim of 20-50 works fer domain. Avoid ovouse, bout store data that can be retrived from server on each request. of uner tensent before petting cookies. En sucial quotaes COPR general dector consent popul before setting wokies. protection regulation