Chapter 10 - Network Requests & Storing Data
JavaScript can be used to send and retreme information from the network when needed (A)AX)
fetch API fetch is used to get data over the network
let promise = fetch (url, [options])  Lis without options, a get  request is sent
Getting a response is a 2-stage process
An object of Response class containing "Status" & "ok" properties
status - The http status code, eg. 200 0k - bootean, true if the HITTP status code is 200-299
After that we need to call another method to success the body in different formats:
response text () -> Read & return the fext response json () -> parse the response as JGON
Other methods include response form Data (), response blob (), response array Buyer () etc.

	Note- We can use only one body-reading method.  example if we have already got the response with response text () then response joon () wont work
	example if we have already got the response
	with response text () then response ison () wont
1	work and ashivered wood terrained therefore of
1	
	Response headers The response headers are available in response headers
	The restonse headers are available in restonse headers
1	transport is the fact of the fact of the fact of
	Request headers To set a request header in fetch, we can use the headers option.
	To set a request header in fetch, we can use
	the pleaders obtion.
	the day of the course cookies when do next is
	let rus = fetch (url, 3
	hadans ?
	let res = fetch (url, 2 headers: 2 Authentication: 'scoret'
-	3
	3).
	3);
	DAST generate
-	To make a POST request, we need to use fetch options
	method -> HTTP-method, e.g. POST
-	memod - memod, cy rost
	body - the request body
	11 (11 (11 (11 6)
	let response = aurait fetch ('/url, 3
-	method: 'POST',
	headers: E
	'Content Type': 'application/json'
The same of	
	body: 1 & "a": "harry" 3
	3);
	t result = await response. json ()

summary: browser le request gryo server lai tehha browser ma cookies ke rup ma key vallue pair save vako hunxa jun server le nae browser lai pathako hunxa ani next time browser le tesmae request grdae sangae cookies ni janxa ani server le paila kae manxe ko reg ho ki haenw ki sab chinxa

	manxe ko req ho ki haenw ki sab chinxa
	JavaScrift Cookies Cookies are small strings of data stored directly in the browser In JavaScrift, document cookie provides access to Cookies.
	Cookies are small strings of data stored directly in
	the browser
	In Java Script, document cookie provides access to cookies.
	Cookies are set by a web server using the
	Cookies are set by a web server using the Set-Cookie HTTP-header. Next time when the
	request is sent to the same domain, the browser
	sends the cookie using the Cookie HTTP-header.
	request is sent to the same domain, the browser sends the cookie using the Cookie HITP-treader.  That way the server knows who sent the request
	A HOUSEL DESCRIPTION OF THE PROPERTY OF THE PR
	We can also access cookies using document cookie
	We can also access cookies using document. Cookie property:
-	
	alert ( document (cookie)
	(ontain key = value pairs
	alert ( document · (ookie)  Lootain key = value pairs  delimited by a;
	Writing to Cookie

An assignment to document cookie is treated specially in a way that a write operation doesn't touch other cookies

key value pairs rahexa tala chai key user value harry

document : cookie = "user = Harry"

> updates only cookie named

user to Harry

Quick Quiz: Print all the cookies on twitter com

encode URI Component accept graa help graa jasto ki key ma rosh+=+; esto ni accept k ani value ma roshni#4342 esto ni accept je symbol rakheni sab accept graa chai encodeURIComponent  This function helps keep the Valid formatting. It is used like this:
This function helps keep the valid formatting. It is
used like this:
document. Gookie = encode URI Component (name) + '=' +
document. cookie = encode URI (omponent (name) + '=' + encode VRI (omponent (value)
The state of the s
This way, the special characters are encoded
Cookie options
Cookies have several options which can be provided after key = value to a set call like this:
after key = value to a set call like this?
in ength - the minutes of stored atoms
document · Cookie = "user = John; path = la; expires =  Tue, 29 March 2041 03:18:22 GMT"
Tue, 29 March 2041 03:18:22 GMT"
path option makes the cookie visible at /a, /a/b ek- expires sets the cookie expiration time
capires sets the cookie expiration time
olest (ocalstrage one)
Note:
The name = value pair, after encode URI Component, should not
exceed 4KB
Total no of Cookies per domain is limited to around 20 + (Exact number is prouser dependent)
20 + Exact number 15 plauser dependent)
local Storage is a web storage object which are not sent to server with each request.  This data survives a full page refresh and even a full browser restart.
Total Storage is in was storage organ which will not
The let service a full have relach and even a
full browser golfat
full mouse rustan

	These are the methods provided by local Storage
31 1	The huntres tells had the valid foralling. I
17	Sot Item (key, value) -> Store key/value pair
21	get I km (key) - get the value by key
37	remove Item (key) - remove the key with its value.
	clear () → delete everything
	key (index) - get the key on a given position.
67	length - the number of stored items
Taa .	We can get and set values like an object
do d'	local storage one = 1
	alert (localStorage one)
ton	delete local Storage one
banco	Important Nate
1-	Important Note  Both key and values must be strings  We can use the two Json methods to store objects in local Storage:
27	Both key and values must be strings We can use the two Ison methods to store
,	objects in local Storage:
tort	ma dide timbo mando desta a la
	JSON. Stringify (object) -> Converte objects to Ton chis
Ou	JSON. Stringify (object) -> Converts objects to Json strings  JSON. parse (string) -> Converts string to objects  (must be a valid JSON)
2	(must be a valid ) say)
	( The same of the

	Session 5 torage Used less of ten than local 5 torage. Properties and methods are same as local 5 torage but:
	Used less often than local Storage Properties and methods
	are same as local storage had
	was pure
1,	The session Storage exists all within the content
1	The session 5 torage exists only within the current browser tab Another tab with Same page will have a different storage
	a different sloward
	Storige parameters of state
1	The data survives page refresh, but not closing lopening the tab
	The sun house long
	Shown Court
	Storage Event When the data gets updated in local Storage or Session Storage, storage event triggers with these properties:
-	when the data gets updated in local Storage or Session Storage,
	storage event friggers with these properties:
7	key -> The key
27	key → The key old Value → Previous Value new Value → New Value
37	new Value -> New Value
47	Vrl → Page URL Storage Area → local or sessions torage
5,	Storage Area - local or sessions torage
	We can listen the onstorage event of window which is triggered when updates are made to the same storage from other documents
	is triggered when updates are made to the
	Storage from other documents
	The second of th