Advanced Javascript concepts:

Web workers

CORS

Canvas

Web workers

worker.js

postMessage(20);

Worker class

var w=new Worker(“worker.js”);

w.onmessage=function(event){

alert(event.data);

}

Task:

Create a worker javascript file and start and stop the work from another html js function

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onSubmit

This web worker works in live server. But not working in direct browser

Failed to construct 'Worker': Script at 'file:///D:/jag/ust/Batch1\_Apr2023/js/ashok.js' cannot be accessed from origin 'null'.

at fnStart (file:///D:/jag/ust/Batch1\_Apr2023/js/webworker.html:13:19)

at HTMLInputElement.onclick (<file:///D:/jag/ust/Batch1_Apr2023/js/webworker.html:32:60>)

CORS

Cross Origin Resource Sharing

Cross origin?

<http://localhost:4200>

<https://localhost:4200> is a cross origin (http vs https)

<http://localhost:8080> is a cross origin (port numbers are different)

<http://localhost:4200/contactus> is same origin

access-control-allow-origin

@CrossOrigin

When we use live server:

<http://127.0.0.1:5500/webworker.html>

Acivity:

Understand CORS

Canvas

JSON Server demo:

1. Install json-server

npm install json-server

1. Create a file “db.json”

npm i json-server -g

create a file "db.json":

{

"posts": [

{ "id": 1, "title": "json-server", "author": "typicode" }

],

"comments": [

{ "id": 1, "body": "some comment", "postId": 1 }

],

"profile": { "name": "typicode" }

}

run:

json-server --watch db.json

server is ready and waiting...

check

http://localhost:3000/posts

http://localhost:3000/comments

http://localhost:3000/profile

in postman, you can do GET POST PUT DELETE

Demo for Angular + JSON server using HTTP client

1. Creating an angular project emp-project
2. json-server db.json
3. employees:[]
4. create a component called employee

ng g c employee

1. app.module.ts

FormsModule,

    ReactiveFormsModule,

    HttpClientModule

1. lets create a service class

ng g s employee