**Service Worker/pwa for Offline caching image and Data**

[**https://angular.io/guide/service-worker-getting-started**](https://angular.io/guide/service-worker-getting-started)

**0.start a new project**

**1.install pwa**

**ng add @angular/pwa**

**2. Build it for production(work only production version because ngsw-worker.js is available in prod version on dist**

**)**

**Ng build --prod**

**//run only every time in separate cmd**

**3.Run http server for inspect**

**Http-server dist/angularProjectName**

**//run only one time in separate cmd**

**4.Now Edit some in ngsw-config.json**

**{**

**"index": "/index.html",**

**"assetGroups": [**

**{**

**"name": "app",**

**"installMode": "prefetch",**

**"resources": {**

**"files": [**

**"/favicon.ico",**

**"/index.html",**

**"/\*.css",**

**"/\*.js"**

**]**

**}**

**}, {**

**"name": "assets",**

**"installMode": "lazy",**

**"updateMode": "prefetch",**

**"resources": {**

**"files": [**

**"/assets/\*\*",**

**"/\*.(eot|svg|cur|jpg|png|webp|gif|otf|ttf|woff|woff2|ani)"**

**]**

**}**

**}**

**],**

**################################# changes #################################**

**"dataGroups": [**

**{**

**"name": "tasks-users-api",**

**"urls": ["\*\*/api/\*\*"], //api url**

**"resources": {**

**"files": [**

**"/assets/\*\*",**

**"/\*.(eot|svg|cur|jpg|png|webp|gif|otf|ttf|woff|woff2|ani)"**

**]**

**},**

**"cacheConfig": {**

**"strategy": "freshness",**

**"maxSize": 20,**

**"maxAge": "1h",**

**"timeout": "5s"**

**}**

**}**

**]**

**################################# changes #################################**

**}**

**5.Now Edit some in app.component.ts**

**…**

**import { SwUpdate } from '@angular/service-worker';**

**...**

**constructor(public dataFetcher:DataFectcherService,public updates: SwUpdate){**

**updates.available.subscribe(event => {**

**console.log("current0");**

**console.log('current version is', event.current);**

**console.log('available version is', event.available);**

**if(confirm("New version available. Load New Version?")) {**

**document.location.reload();**

**//ask using alert msg to reload**

**}**

**});**

**updates.activated.subscribe(event => {**

**console.log("current1");**

**console.log('old version was', event.previous);**

**console.log('new version is', event.current);**

**});**

**this.testttt();**

**}**

**testttt(){**

**this.dataFetcher.ftchData().then(**

**data=>{**

**this.apiDAta=data ;**

**console.log("apiDAta",data);**

**}**

**);**

**}**

**5.Now Edit some in dataFecther.service.ts**

**import { Injectable } from '@angular/core';**

**import { HttpClient } from '@angular/common/http';**

**@Injectable({**

**providedIn: 'root'**

**})**

**export class DataFectcherService {**

**constructor(public http:HttpClient) {**

**}**

**ftchData(){**

**return new Promise((resolve, reject)=>{**

**this.http.get('https://randomuser.me/api/').subscribe(data1=>{**

**console.log("dataaaaa0",data1);**

**resolve(data1);**

**});**

**});**

**}**

**}**

**5.Now Edit some in .html**

**<div style="text-align:center">**

**<h1>**

**Welcome to 03 {{ apiDAta.results[0].email }}!**

**</h1>**

**</div>**

**<h2>Here are some links to help you start:**

**<img [src]="apiDAta.results[0].picture.medium">**

**</h2>**