https://github.com/TryCatchLearn/DatingApp

DotNet> dotnet watch run

EntityFrameworkCore.Sqlite & Tools & EntityFrameworkCore.Design > nuget

Connectionstring> "ConnectionStrings" : { "DefaultConnection" : "Data source=datingapp.db"}

Code first Add db script> Search for dotnet-ef in nuget.org

Use matching entity framework

Migrations> dotnet ef migrations add InitialCreate -o Data/Migrations

Update> dotnet ef database update

Node> nvm install 14.17.5

Angular> npm install @angular/cli

Bootstrap> ng add ngx-bootstrap

Font-awsome> npm install font-awesome

For ssl (https certificate)

Generate key for a certificate

Add ssl folder inside client app

Add server.cert and server.key in the ssl folder

Go to angular.json and inside “serve” object, add

“options”:{

“sslKey”: “./ssl/server.key”,

“sslCert”: “./ssl/server.crt”,

“ssl”: true,

“browserTarget”: “test:build”

}

To debug using VS code:

Check for launch.json and tasks.json which are created when we generate assets for build and debug

dotnet ef database drop

dotnet ef database update

System.identymodel.tokens.jwt> nuget

HMac (Symmetric algorithm)> Hash-Based Message Authentication Codes like SHA256, SHA512 (Secure Hashing Algorithm)

Authentication> nuget> microsoft.aspnetcore.authentication.jwtbearer

Angular:

ng g -h> ng g c nav --skip-tests

getboostrap.com > examples> carousel

ng g s account –skip-tests

dropdowns> ngx-bootstrap

RxJS(Reactive extension for Java Script) > map, pipe, redue

Error handling toaster notification service> npm install ngx-toastr

"./node\_modules/font-awesome/css/font-awesome.css",

"./node\_modules/ngx-toastr/toastr.css",

Add the above inside angular.json “styles”: []

Route guards> ng g guard auth --skip-tests> canactivate

AuthGuard will subscribe to ReplySubject Observable

Theams> bootswatch.com

* Npm install bootswatch

New module>mkdir \_modules>ng g module shared –flat

Router>

<router-outlet></router-outlet>

<routerLink="/members" routerLinkActive="active">

const routes: Routes = [

{ path: '', component: HomeComponent },

{

path: '',

runGuardsAndResolvers: 'always',

canActivate: [AuthGuard],

children: [

{ path: 'members', component: MemberListComponent },

{ path: 'members/:id', component: MemberDetailComponent },

{ path: 'lists', component: ListsComponent },

{ path: 'messages', component: MessagesComponent },

{ path: '\*\*', component: HomeComponent, pathMatch: 'full' },

]}];

this.router.navigateByUrl('/members');

interseptors>api> mkdir \_interceptors> ng g interceptor --skip-tests

api> dotnet ef migrations add extendeduserentity

dotnet ef migrations remove

fully defined relationship

google>json generator

Repository and Unit of work patterns

DTO will avoid:

"message": "A possible object cycle was detected. This can either be due to a cycle or if the object depth is larger than the maximum allowed depth of 32. Consider using ReferenceHandler.Preserve on JsonSerializerOptions to support cycles.",

AutoMapper> nuget

TypeScript:

let data: number | string = 42;

data = “str”;

const multiplay = (x,y) => { x \* y; }

const multiplay = (x,y) => { return x \* y; }

const multiplay = (x,y) : int => { return x \* y; }

Json to ts

Google> angular bootstrap> valor-software.com

Photos google>Ngx-gallery> npm install @kolkov/ngx-gallery

Guard> ng g guard prevent-unsaved-changes --skip-tests

@ViewChild(‘editForm’) editForm: NgForm

This.editForm?.reset(this.member)

@HostListener(‘window:beforeunload’, [‘$event’]) unloadNotification($event: any){}

Loader> google> ngx-spinner> ng add ngx-spinner

Cloudinary>

Google> ng2-file-upload> npm install ng2-file-upload

Form Controls in another component> export class TextInputComponent implements ControlValueAccessor {

response.Headers.Add("Pagination", JsonSerializer.Serialize(paginationHeader));

response.Headers.Add("Access-Control-Expose-Headers", "Pagination");

time age> google> ngx-timeago

npm install ngx-timeago

directives> ng g d name --skip-tests

Section 16:

1. Using .Net Identity
2. Role management
3. Policy based authorization
4. UserManager<T>
5. SinInManager<T>
6. RloeManager<T>

SingleR

1. WebSockets
2. Server-Sent events
3. Long poling

Client> npm install @icrosoft/signalr

Every entity need default constructor if creating custom constructor in order to avoid errors while creating tables

Unit of work Pattern to avoid multiple savechanges() in repositories in Entity framework

[DateTime.Kind comes back as Unspecified · Issue #4711 · dotnet/efcore (github.com)](https://github.com/dotnet/efcore/issues/4711)

Postgre sql

Heroku server

Docker.com

$ docker run –name dev -e POSTGRES\_USER=appuser -e POSTGRES\_PASSWORD=mPa$$w0rd -p 5432:5432 -d postgres:latest

pgAdmin – visualize server