We use input props to add input or state to the component (pr da mu setnem value na true), we use output props to raise events from this custom component. The combination of both make what they call component api.

Pravim si ednoto property input property, za da mojem da go polzvame v property binding expressions

//1. Slagame Input v import I posle annotate fielda det iskame da e input @Input()

import { Component, OnInit, Input } from '@angular/core';

export class FavoriteComponent implements OnInit {

@Input() isFavorite:boolean;

//2 v klasa na app.component imame object post

export class AppComponent {

post = {

title: 'Title',

isFavorite: true

}

}

//3 v html-a

<app-favorite [isFavorite]="post.isFavorite" (change)="onFavoriteChange()">

</app-favorite>

//drug nachin da se napravi input field e da se dobavi kato metadata v @Component, ama ne e tolkova hubav shtoto polzva t.nar mahic string isFavorite I ako sled vreme usera reshi da renamne propertito appa shte ni se schupi

@Component({

selector: 'app-favorite',

templateUrl: './favorite.component.html',

styleUrls: ['./favorite.component.css'],

inputs: ['isFavorite']

Davane na alias(sinonim) na input properties – prosto go pishem v @Input. Aliasite e hubavo da se polzvat shtoto v budeshte ako niakoy promeni imeto na fielda, aliasa ostava I niama da schupi programata

export class FavoriteComponent implements OnInit {

@Input('myAlias') isFavorite:boolean;

I sega mojem da go polzvame v html

<app-favorite [myAlias]="post.isFavorite" (change)="onFavoriteChange()">

**Output properties (pri eventite det sa) – onFavoriteChange ni e customEventa**

<app-favorite [isFavorite]="post.isFavorite" (change)="onFavoriteChange()

//importvame outputa

import { Component, OnInit, Input, Output } from '@angular/core';

//dobaviame property, koeto triabva da e sus sushtoto ime kato eventa det shte polzvame pr click, change etc. Slagame decorator @Output pred poleto I go iniciirame = new Eventemitter

@Output() change = new EventEmitter();

//dobaviame import na EventEmiitera (ctrl + .) ili ruchno

import { Component, OnInit, Input, Output, EventEmitter } from '@angular/core';

nakraia zadeystvame emita I toy vika nashia custom event onFavoriteChange()

//tva se namira vuv favorite.components.ts

onClick(){

this.isFavorite = !this.isFavorite;

this.change.emit(); //notify others that something happend

}

//tva se namira v app.components.ts

onFavoriteChange(){

console.log('favorite se smeni');

}

Mokjem da pasnem viakakva value prez eventa, koiato hste bude available za vsichki subscriber za dadenia event. V nashia sluchai subscriber za eventa e appComponent-a shtoto tam se namire onFavoriteChange metoda. Tuk pasvam isFavorite

onClick(){

this.isFavorite = !this.isFavorite;

this.change.emit(this.isFavorite);

}

I posle v app.components go priemam

onFavoriteChange(isFavorite){

console.log('favorite se smeni ' + isFavorite);

}

I poslednata stupka e v app.component.html slagame $event

app-favorite [isFavorite]="post.isFavorite" (change)="onFavoriteChange($event)">

**The concept of Shadow DOM** – tva e specification that enables Dom tree and style encapsulation. It allows us to apply scoped styles to elements without bleeding out to the outer world. Style leaking e pr ako zadadem color:red na h1 vsichki h1 shte ni budat s color red.Reshenieto na tova leaking e shadow dom

//1.hvashtame elementa

Var el = document.querySelector(‘favorite’);

Var root = el.createShadowRoot();

V angular gornoto se naricha concepcia za **view encapsulation.** V metadata ima property encapsulation

Emulated e default valueto; Native – samo se suportva ot safari I chromo I niama smisul da se polzva

import { Component, OnInit, Input, Output, EventEmitter, ViewEncapsulation } from '@angular/core';

@Component({

selector: 'app-favorite',

templateUrl: './favorite.component.html',

styleUrls: ['./favorite.component.css'],

encapsulation: ViewEncapsulation.Emulated //emulated e defult valutp

})

ngContent

dobaviame 2 injection points v html na componenta <ng-content> ama za da gi razgranichim polzvame select v koito mojem da slojim id, class ili element

<div class="panel panel-default">

<div class="panel-heading">

<ng-content select=".heading"></ng-content>

</div>

<div class="panel-body">

<ng-content select=".body"></ng-content>

</div>

</div>

I posle v app.component.html

<bootstrap-panel>

<div class="heading">Heading</div>

<div class="body">Body </div>

</bootstrap-panel>

ngContainer

<ng-container class=”neshtosi”> tva na runtime zima samo neshtata vutre pr teksta I ne slaga dopulitelen markup primerno div – polzva se za po-chist kod da se pravi