Component Level Interaction

Create one application: ng new complevelineraction

cd complevelineraction

ng serve

see: <http://localhost:4200>

open the same folder in VScode

create Child component: ng g c child

Pass the data from Parent to Child

Open app.component.html file and add below mentioned code

<div>

<h1>This is my parent Component</h1>

Enter Your Text: <input type="text" (keyup)="0" #ptext/>

</div>

<app-child [pdata]="ptext.value" ></app-child>

Open app.component.css

div{

    background-color: bisque;

}

Open child.component.ts

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

@Component({

  selector: 'app-child',

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

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

  inputs:[`pdata`]

})

export class ChildComponent implements OnInit {

  pdata:string="";

  constructor() { }

  ngOnInit(): void {

  }

}

Open child.component.html

<div>

<h1>This is my child component</h1>

<h3>Value coming form the parent component {{pdata}}</h3>

</div>

Open child.component.css

div{

    background-color: chartreuse;

}

Save All files and check output, you can see the data transfer from Parent to child.

(Change the highlighted lines)

Pass the data from child to Parent

Open child.component.html

<div>

<h1>This is my child component</h1>

<h3>Value coming form the parent component {{pdata}}</h3>

Enter Your text:<input type="text" #ctext (keyup)="onChange(ctext.value)"/>

</div>

Open child.component.ts

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

@Component({

  selector: 'app-child',

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

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

  inputs:[`pdata`],

  outputs:[`myChildEvent`]

})

export class ChildComponent implements OnInit {

  pdata:string="";

  constructor() { }

  ngOnInit(): void {

  }

  myChildEvent= new EventEmitter();

  onChange(value:string){

    this.myChildEvent.emit(value);

  }

}

Open app.component.ts

import { Component } from '@angular/core';

@Component({

  selector: 'app-root',

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

  styleUrls: ['./app.component.css']

})

export class AppComponent {

  title = 'complevelinteraction';

  cdata:string=""

}

Open app.component.html

<div>

<h1>This is my parent Component</h1>

<h3>Value coming from the child component is: {{cdata}}</h3>

Enter Your Text: <input type="text" (keyup)="0" #ptext/>

</div>

<app-child [pdata]="ptext.value" (myChildEvent)="cdata=$event"></app-child>

Save all files and check the output. Now you can see the result reflecting from child to parent as well.