Input decorator in Angular 18

# Common design for student progress card

* Create a component name common-block

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* Creating a card design and give design to the common block component and interpolating the datas in that list

## Common-blocks > common-block.component.html

<div class="card">

    <img src={{studentImg}}>

    <div class="card-body">

        <h5 class="card-title">{{studentName}}</h5>

        <p class="card-text">Total Marks: <span>{{totalMark}}</span></p>

        <p class="card-text">Average Marks: <span>{{averageMark}}</span></p>

        <p class="card-text">Status: {{status}}</p>

    </div>

</div>

## Common-blocks > common-block.component.css

.card{

    margin: 10px;

    padding: 10px;

    border: 1px solid #ccc;

    border-radius: 5px;

    box-shadow: 0 2px 2px rgba(0,0,0,0.1);

    background-color: #f9f9f9;

}

img{

    width: 200px;

    height: 250px;

}

## Common-blocks > common-blocks.component.ts

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

@Component({

  selector: 'app-common-blocks',

  standalone: true,

  imports: [],

  templateUrl: './common-blocks.component.html',

  styleUrl: './common-blocks.component.css'

})

export class CommonBlocksComponent implements OnInit {

  @Input() studentImg!: string;

  @Input() studentName!: string;

  @Input() marks!: number[];

 totalMark: number = 0;

 averageMark: number = 0;

 status: string = '';

  ngOnInit() {

    this.totalMark = this.marks[0] + this.marks[1] + this.marks[2];

    this.averageMark = this.totalMark / 3;

    this.status = this.averageMark >= 75 ? 'Pass' : 'Fail';

  }

}

Calling the page from the **app.component.html** page before that create the **list of data** to add in that page in **app.component.ts**

## App.component.ts

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

import { RouterOutlet } from '@angular/router';

import { CommonBlocksComponent } from './common-blocks/common-blocks.component';

@Component({

  selector: 'app-root',

  standalone: true,

  imports: [CommonBlocksComponent],

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

  styleUrl: './app.component.css'

})

export class AppComponent {

  title = 'AngularProject';

  students = [

    { image: 'https://www.ourquadcities.com/wp-content/uploads/sites/19/2022/05/Maxwell-Rantilla.jpg?w=540&h=720&crop=1', name: 'John', marks: [100, 90, 80] },

    { image: 'https://th.bing.com/th/id/OIP.GW1gLZKGQ4XvZQHEV9ecIQHaJQ?w=2048&h=2560&rs=1&pid=ImgDetMain', name: 'Jane', marks: [95, 45, 70] },

    { image: 'https://th.bing.com/th/id/OIP.izfpTOHW2eTlPYBGIvq0vgHaJQ?pid=ImgDet&w=474&h=592&rs=1', name: 'Alice', marks: [18, 42, 84] },

    { image: 'https://th.bing.com/th/id/OIP.m0z1SF-ETA9CNB3cUbrUvgHaHt?w=760&h=791&rs=1&pid=ImgDetMain', name: 'Bob', marks: [80, 80, 50] }

  ];

}

Now call the **common-block page** in **app.component.html** page with **different data** in the list using input decoration

## App.component.html

<div class="main">

    <app-common-blocks [studentImg]="students[0]['image']" [studentName]="students[0]['name']" [marks]="students[0]['marks']"></app-common-blocks>

    <app-common-blocks [studentImg]="students[1]['image']" [studentName]="students[1]['name']" [marks]="students[1]['marks']"></app-common-blocks>

    <app-common-blocks [studentImg]="students[2]['image']" [studentName]="students[2]['name']" [marks]="students[2]['marks']"></app-common-blocks>

    <app-common-blocks [studentImg]="students[3]['image']" [studentName]="students[3]['name']" [marks]="students[3]['marks']"></app-common-blocks>

</div>

## App.component.css

.main{

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

    background-color: #f5f5f5;

}

Output :

