

## Data Binding Screenshots

### INTERPOLATION

The first screenshot shows the TypeScript code for the `AppComponent` in `app.component.ts`. The `myShopName` property is initialized to `"DeeDelfz Car Shop and Accessories"`.

```
1 import { Component } from '@angular/core';
2 import { CommonModule } from '@angular/common';
3 import { RouterOutlet } from '@angular/router';
4
5 @Component({
6   selector: 'app-root',
7   standalone: true,
8   imports: [CommonModule, RouterOutlet],
9   templateUrl: './app.component.html',
10  styleUrls: ['./app.component.css']
11 })
12 export class AppComponent {
13   title = 'DataBinding2';
14   clientName = "DAYSON DELFIN";
15   appliedCSS = "green";
16   notAppliedCSS = false;
17   myShopName = "DeeDelfz Car Shop and Accessories";
18
19   clickCount=0
20   clickMe(){
21     this.clickCount++;
22   }
23 }
24
25
26
27
```

The second screenshot shows the HTML template in `app.component.html`. The `myShopName` property is interpolated into the `h1` tag using `{{myShopName}}`.

```
47
48 <!-- Header-->
49 <header class="bg-header py-5">
50   <div class="container px-4 px-lg-5 my-5">
51     <div class="text-center text-white">
52       <h1 class="display-4 fw-bolder">{{myShopName}}</h1>
53       <p [class]="appliedCSS">Quality Design Performance</p>
54     </div>
55   </div>
56 </header>
57
58 <!-- Section-->
59 <section class="py-5">
60   <div class="container px-4 px-lg-5 mt-5">
61     <div class="row gx-4 gx-lg-5 row-cols-2 row-cols-md-3 row-cols-xl-4">
```

The third screenshot shows the rendered web application. The header displays the shop name **DeeDelfz Car Shop and Accessories** and the tagline *Quality Design Performance*. Below the header, there are four product images: a car stereo, a car radio, a car display, and a car headlight.

## STYLE BINDING

```
app.component.html M TS app.component.ts M # app.component.css M
src > app > app.component.html > header.bg-header.py-5
44 | | | </div>
45 | | </div>
46 | </nav>
47 |
48 | <!-- Header -->
49 | <header class="bg-header py-5">
50 |   <div class="container px-4 px-lg-5 my-5">
51 |     <div class="text-center text-white">
52 |       <h1 class="display-4 fw-bolder">{{myShopName}}</h1>
53 |       <p [class]="appliedCSS">Quality Design Performance</p>
54 |     </div>
55 |   </div>
56 | </header>
```

```
app.component.html M TS app.component.ts M # app.component.css M
src > app > # app.component.css > .bg-nav
7 | .blue {
8 |   color: blue;
9 | }
10 |
11 | .bg-header {
12 |   background-color: hsl(0, 57%, 36%);
13 | }
14 |
15 | .bg-footer {
16 |   background-color: hsl(0, 57%, 36%);
17 | }
18 |
19 | .bg-nav {
20 |   background-color: #067973;
```

# DeeDelfz Car Shop and Accessories

Quality Design Performance



## STYLE BINDING

```
src > app > TS app.component.ts > ...
6   selector: 'app-root',
7   standalone: true,
8   imports: [CommonModule, RouterOutlet],
9   templateUrl: './app.component.html',
10  styleUrls: ['./app.component.css']
11 })
12 export class AppComponent {
13   title = 'DataBinding2';
14   clientName = "DAYSON DELFIN";
15   appliedCSS = "Tagline";
16   notAppliedCSS = false;
17   myColor = "red";
18   myShopName = "DeeDelfz Car Shop and Accessories";
19
20   clickCount = 0;
21   clickMe() {
22     this.clickCount++;
23   }
}
```

```
<> app.component.html M TS app.component.ts M # app.component.css M X
src > app > # app.component.css > .Tagline
No results

1 .Tagline {
2   color: #d38b06;
3   font-size: xx-large;
4   font-family: Verdana, Geneva, Tahoma, sans-serif;
5 }
6
7 blue f
```

```
<> app.component.html M X TS app.component.ts M # app.component.css M <> index.html M
src > app > <> app.component.html > header.bg-header.py-5 > div.container.px-4.px-lg-5.my-5 >
44 | | | </div>
45 | | </div>
46 | </nav>
47 |
48 | <!-- Header-->
49 | <header class="bg-header py-5">
50 |   <div class="container px-4 px-lg-5 my-5">
51 |     <div class="text-center text-white">
52 |       <p class="appliedCSS">Quality Design Performance</p>
53 |     </div>
54 |   </div>
55 | </div>
```

**DeeDelfz Car Shop and Accessories**

Quality Design Performance

## PROPERTY BINDING

The image illustrates property binding in an Angular application. It consists of three parts: the HTML template, the TypeScript component class, and the rendered UI.

**app.component.html**

```
373 </section>
374
375 <!-- Footer-->
376 <footer class="py-5 bg-footer">
377   <div class="container"><p class="m-0 text-center text-white">
    Redesigned by {{clientName}}</p></div>
378 </footer>
379 <!-- Bootstrap core JS-->
380 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist
    bundle.min.js"></script>
381 <!-- Core theme JS-->
382 <script src="js/scripts.js"></script>
383
384
```

**app.component.ts**

```
10   styleUrls: ['./app.component.css']
11 })
12 export class AppComponent {
13   title = 'DataBinding?';
14   clientName = "DAYSON DELFIN";
15   appliedCSS = 'bg-light',
16   notAppliedCSS = false;
17   myColor = "red";
18   myShopName = "DeeDelfz Car Shop and Accessories";
19
```

**Rendered UI**

Two "Add to cart" buttons are shown. Below them, a red footer bar contains the text "Copyright © Redesigned by DAYSON DELFIN".

Yellow boxes highlight the binding in the HTML, the value in the TypeScript class, and the rendered output. Arrows indicate the flow of data from the TypeScript class to the HTML template and then to the rendered UI.