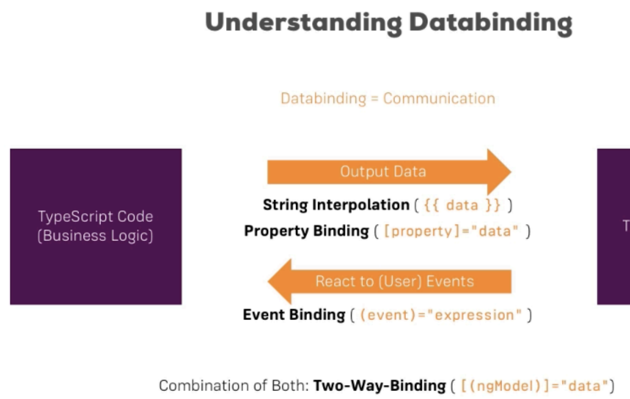


Understanding Databinding

Databinding = Communication

TypeScript Code (Business Logic)

Output Data

String Interpolation ({{ data }})

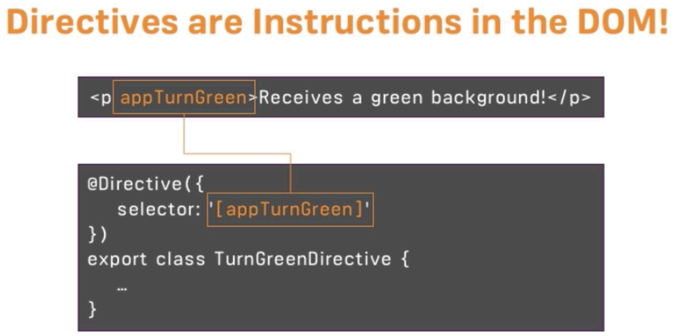
Property Binding ([property]="data")

React to (User) Events

Event Binding ((event)="expression")

Template (HTML)

Combination of Both: Two-Way-Binding ([(ngModel)]="data")



Directives are Instructions in the DOM!

```
<p appTurnGreen>Receives a green background!</p>
```

```
@Directive({
   selector: '[appTurnGreen]'
})
export class TurnGreenDirective {
   …
}
```

String interpolation

- You can call both variables and methods
- {{ method() }}

Property Binding

- [property] = "variableInTSFile"

Event Binding

- Do something after user interaction (listen)
- (click) = "method()"
- (Input) = "method($event)" // used in <input>
    - **$event** = reserved variable binding, aka just the data inputed
    - Method(event: any){this.data = event.target.value}
    - <p>{{ this.data }} </p>
    - Will display as user types input

Two-Way-Databinding

- [(ngModel)] = "data"
    - Will trigger on input name, and will update in component automatically
- Have (click) and when clicked, display the input

ngIf directive

- <p *ngIf="displayText">Display</p>
- Only or true/false statements
- Display when displayText = true
- ***To have multi-conditional functions***
    - <p *ngIf="displayText; else otherCondition">Display</p>
    - <ng-template #otherCondition><p> not display </p> </ng-template>
    - If displayText is true; then will display **Display**
    - If displayText is not true, it will execute otherCondition and will display **not display**