What is the property in property binding [class.selected]?

I am learning angular 2 from [official hero tutorial](#).

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```
<ul class="heroes">
      <li *ngFor="let hero of heroes"
        [class.selected]="hero === selectedHero"
        (click)="onSelect(hero)">
        <span class="badge">{{hero.id}}</span> {{hero.name}}
      </li>
</ul>
```

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I've read the guide about property binding [here](#), but still couldn't understand the following code:

```
[class.selected]="hero === selectedHero"
```

Question 1: I know html tag has a class property, but class property does not have a key called "selected". The class property may have a value, which is string "selected". How come this property binding is valid?

Question 2: How does above property binding translated to class="selected" ?

[A] angular

asked Sep 28 '16 at 2:37

Nicolas S.Xu
4,005   13   48   87

1   The tutorial is confusing. It should be categorized as "class binding", not "property binding". You can learn more about class binding here: [angular.io/docs/ts/latest/guide/…](#) – Harry Ninh Sep 28 '16 at 2:52

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`[class.xxx]` and `[style.xxx.yy]` are special Angular2 binding syntax where

`[class.my-class]="expression"`

adds (or removes) the CSS class `my-class` to (or from) the element depending on whether `expression` results in `true` or `false`

`[style.width.px]="numExpression"`

Sets the `width` (or any other valid style property) `to the value of` numExpression `and the unit` px` (or any other valid CSS unit)

answered Sep 28 '16 at 5:09

Günter Zöchbauer
353k   81   1107   1016

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1   This guide about class binding suggested by Harry Ninh, will fill my gap: angular.io/docs/ts/latest/guide/… –   Nicolas S.Xu   Sep 29 '16 at 20:59

1   Excellent description of the solution – webworm Mar 27 at 17:57

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The difference here is that `class` is not related to the HTML element, it's an angular binding. You're binding the `selected` property of Angular's `class` object to the expression, which will remove or add the property if true/false.

The property binds to `class="selected"` because when you click the `li` element, your event handler for click sets the hero, and they match.

answered Sep 28 '16 at 2:44

Sterling Archer
16.4k   13   63   93