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how to disable or overwrite cdk-focused in angular 5

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Asked 1 year, 9 months ago Active 1 month ago Viewed 10k times

I am working on mat-button-toggle-group for which I modified existing css by overwriting mat-button-toggle-checked class like below. Now, when I toggle between buttons the css is not working till I get focus out and that is because 2 cdk classes 'cdk-focused' and 'cdk-program-focused' are being added when the clicked button is on focus . Is there any way that I can make these classes disable or make them not apply or overwrite them with same css of mat-button-toggle-checked?

```
<mat-button-toggle-group #group="matButtonToggleGroup" value="line">
  <mat-button-toggle (click)="showLine()" value="line">Line</mat-button-toggle>
  <mat-button-toggle (click)="showChart()" value="chart">Chart</mat-button-toggle>
</mat-button-toggle-group>
```

and css

```
mat-button-toggle-group {
  border: solid 1px #d1d8de;
  width:260px;
  height:41px;
  text-align: center;
  .mat-button-toggle-checked{
    background-color: #ffffff;
    font-weight: bold;
  }
  .mat-button-toggle{
    width:50%;
    font-size: 15px;
  }
}
```

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edited Apr 1 '18 at 16:59
 Kim Kern
 17.2k ● 6 ● 48 ● 72

asked Feb 23 '18 at 18:15
 user3154990
 305 ● 2 ● 9 ● 24

have you got rid of that `cdk-focused` and `cdk-program-focused` classes? – [Ketan Akbari](#) Jun 2 '18 at 8:46

My situation was a mat-button that opened a mat-dialog still had focus when the dialog was closed. I solved it by automatically calling blur on the button after the dialog was closed - [github.com/angular/components/issues/...](#) – [Simon_Weaver](#) Aug 18 at 21:23

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8 Answers

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You can make use of `Angular CDK's FocusMonitor service` to disable `.cdk-focused` and `.cdk-program-focused` classes by calling the service's `stopMonitoring()` method.

9 The documentation for this & the API can be found in the following links respectively:
 1) [FocusMonitor documentation](#)

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The problem I had:

My `sidenav` had 4 buttons created using `*ngFor`. Each of these buttons was also a `routerLink`. Only the button whose router link was active should have primary background color.

Now, this was getting confusing if, say, the `routerLink` associated with my 4th button was active as the 4th button would have the `primary background color` and the 1st button had `focused styling` because of `.cdk-focused` and `.cdk-program-focused` classes applied by the `FocusMonitor` on the button.

The solution:

```
import { Component, AfterViewInit } from '@angular/core';
import { FocusMonitor } from '@angular/cdk/aiy';

@Component({
  selector: 'test-component',
  templateUrl: 'test-component.template.html',
})

export class TestComponent implements AfterViewInit {
  constructor(private _focusMonitor: FocusMonitor) {}

  ngAfterViewInit() {
    this._focusMonitor.stopMonitoring(document.getElementById('navButton_1'));
  }
}
```

You can take a look at the documentations for tailoring this to your need.

share improve this answer

edited Jul 25 '18 at 13:16

answered Jul 19 '18 at 9:56

James Antony
125 • 1 • 8

add a comment

3 In my case, the real problem stay in button structure, 'material' build various sub-components and the last one is a 'div' with CSS class 'mat-button-focus-overlay':

My solution is simple, in 'style.css' file, add or subscribe to the 'mat-button-focus-overlay'

```
.mat-button-focus-overlay {
  background-color: transparent!important;
}
```

share improve this answer

answered Jun 25 at 19:11

Oliver
157 • 1 • 2 • 10

I've learned it was best practice to avoid `!important` to override styling. It usually means the imports could be done better. – Sheri Kwong Sep 27 at 15:15

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Scroll Down to the bold text for answers.

2 Good practice is to not reference by element but by class when changing the style of an element. For

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example instead of using:

```
mat-button-toggle-group {
  border: solid 1px #d1d8de;
}
```

you would write

```
.mat-button-toggle-group {
  border: solid 1px #d1d8de;
}
```

Again, this is just good practice.

Another thing that is important (no pun intended) is to point out is that you should refrain from using `!important`. Generally speaking this should be reserved for special edge cases (like printing). This is because it can lead to harder to maintain stylesheets. A good example of where this would be problematic would be wanting to change the border of this:

```
.mat-button-toggle-group {
  border: solid 1px #d1d8de !important;
}
```

because the only way to override an `!important` is with another `!important`.

Possible Solutions to your Answer

Have a material-theme-overrides.scss file that basically overrides the way classes are styled. This method is ideal when you want all classes to behave this way by default. Like if you want all of your `.mat-buttons` to have a radius. Material provides a good guide in doing that:

<https://material.angular.io/guide/theming>

Another option Use `::ng-deep` this allows you to force a style down to child components. Read more about that here:

[How and Where to use ::ng-deep?](#)

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answered Mar 3 '18 at 11:25



DonDaniel

285 • 3 • 10

Thanks Don. I already have a custom theme class as you mentioned. But, these are cdk classes – [user3154990](#) Mar 7 '18 at 15:15

Perfect! You can overwrite those the same way. You can check out how material does it by going to there theme file. Thats in your node_modules/@angular/material/_theming.scss – [DonDaniel](#) Mar 7 '18 at 15:34

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I was facing the same issue using a side-nav component.

1

After reading the solution provided by Aravind here [How to use EventEmitter\(onClose\) of the sidenav](#) I decided to call the following method:

```
onSideNavOpened() {
  let buttonsList = document.getElementsByClassName('mat-button');

  for(let currentButton of buttonsList) {
    currentButton.classList.remove("cdk-focused");
    currentButton.classList.remove("cdk-program-focused");
  }
}
```

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Perhaps you can do more or less the same in your ngOnInit() method for instance?

(For the record, my opening side-nav tag looks like this: `<mat-sidenav #snav class="menu-sidenav" mode="over" position="end" opened="false" (open)="onSideNavOpened()">`)

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answered May 9 '18 at 15:34

 [Romanio](#)
166 ● 1 ● 2 ● 16

add a comment


CSS method for the lazy folks:

0

```
.your-elements-class-name:focus {  
  outline: 0px solid transparent;  
}
```

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answered Apr 29 at 21:33

 [Caleb Davenport](#)
353 ● 2 ● 14

add a comment

Simplest "disable" is just to add the following css override to your component.


0

```
:host {  
  /deep/ .mat-button-toggle-focus-overlay {  
    display: none;  
  }  
}
```

share improve this answer

edited May 8 at 17:32

answered May 8 at 17:17

 [codenamezero](#)
1,619 ● 19 ● 36

add a comment


I solve this issue with the class css selector of `cdk-focused` and `!important`:

0

```
.cdk-focused {  
  background-color: transparent!important;  
}
```

share improve this answer

answered Oct 11 at 19:26

 [Old Fox](#)
7,817 ● 4 ● 25 ● 45

add a comment

Had you tried adding `!important` to your selector's attributes:

-1

```
mat-button-toggle-group {  
  border: solid 1px #d1d8de !important;  
  width:260px !important;  
  height:41px !important;  
  text-align: center !important;
```

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```
.mat-button-toggle-checked{
  background-color: #ffffff !important;
  font-weight: bold !important;
}
.mat-button-toggle{
  width:50% !important;
  font-size: 15px !important;
}
}
```

This way you will override the `cdk-focused` and `cdk-program-focused` classes.

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answered Feb 28 '18 at 14:17



[jcmordan](#)

838 • 10 • 19

yes I did, and my question is the my css is working but 2 new CDK classes are being added when a toggle button is clicked until it has focus on it 'cdk-focused' and 'cdk-program-focused' are the classes..once the focus is gone my css is applied. Please let me know if there is a way to overwrite cdk classes – [user3154990](#) Feb 28 '18 at 14:46


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