Directive to disable Cut, Copy and Paste function for textbox using Angular2

Asked 1 year, 9 months ago   Active 1 year ago   Viewed 11k times

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I am using Angular2 to restrict the copy and paste in textbox. But how do i write a custom directive, so that it will be easy to apply for all the text fields.

Below is the working code to restrict the copy and paste functionality.

```
<ion-input formControlName="confirmpass" type="tel" (cut)="$event.preventDefault()"
(copy)="$event.preventDefault()" (paste)="$event.preventDefault()"></ion-input>
```

[A angular]   [ionic2]

edited Nov 20 '17 at 5:28   asked Nov 20 '17 at 4:09

jitender   vishnu
4,664   1   10   34   **1,673**   11   34   66

1   I found this question by looking for the exact opposite, if there was a way to override this horrible behavior on a site made in Angular... I know this is an old question but if anyone reads this: please do NOT prevent pasting of passwords! see the following discussion about why this is not a good idea: security.stackexchange.com/questions/131106/… – Thomas Mulder Jun 14 at 13:43

@ThomasMulder me too, I just shared workarounds to bypass this behavior if the app uses pure JavaScript events: stackoverflow.com/questions/4386300/… But now I used a website that had restrictions on dates with Angular and I was not able to disable it without breaking the app so I would also be interested to know if there is a solution to disable Angular form validation and restriction. – baptx Jul 2 at 12:45

2 Answers

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You can use a [HostListener](#) in your directive to catch [cut](#), [paste](#) and [copy](#) events and then use `preventDefault()` . Here's an example

```
import { Directive, HostListener } from '@angular/core';
```

```
  })
  export class BlockCopyPasteDirective {
    constructor() { }

    @HostListener('paste', ['$event']) blockPaste(e: KeyboardEvent) {
      e.preventDefault();
    }

    @HostListener('copy', ['$event']) blockCopy(e: KeyboardEvent) {
      e.preventDefault();
    }

    @HostListener('cut', ['$event']) blockCut(e: KeyboardEvent) {
      e.preventDefault();
    }
  }
```

Use directive like so

```
<ion-input appBlockCopyPaste formControlName="confirmpass" type="tel"></ion-input>
```

[Working demo](#)

edited May 12 '18 at 5:07   answered Nov 20 '17 at 5:19

Aamir Khan
1,573   14   22

thanks. it is working like a charm...thanks a lot – vishnu   Nov 20 '17 at 6:28

yeah, it works for me too, you deserve upvotes – Seyed Ali Roshan Nov 3 '18 at 5:58 ✎

works like charm. thanks a lot. used in angular 6 – Adi Mar 21 at 8:22 ✎

KeyboardEvent Deprecated developer.mozilla.org/en-US/docs/Web/API/KeyboardEvent/keyCode – Raja Rama Mohan Thavalam Jul 4 at 9:14

1   @RajaRamaMohanThavalam - `keyCode` is deprecated, not `KeyboardEvent` – Adam Aug 9 at 12:37

You can use `Renderer`   to listen to   `cut,copy,paste`   events and call   `preventDefault()`   in your directive something like

```
export class CopyDirective {
    constructor(el: ElementRef, renderer: Renderer) {
      var events = 'cut copy paste';
      events.split(' ').forEach(e =>
      renderer.listen(el.nativeElement, e, (event) => {
        event.preventDefault();
        })
      );

    }
  }
```

Then in html

```
<input type="text" preventCutCopyPaste/>
```

[Working Demo](#)

edited Nov 20 '17 at 5:35   answered Nov 20 '17 at 5:20

jitender
4,664   1   10   34