



CDK

The toolbox for the Angular developer



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oxaion

offen. flexibel. anders.

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Please mind the gap 😊

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CDK?

Enterprise Angular Apps







UI Toolkits to the Rescue



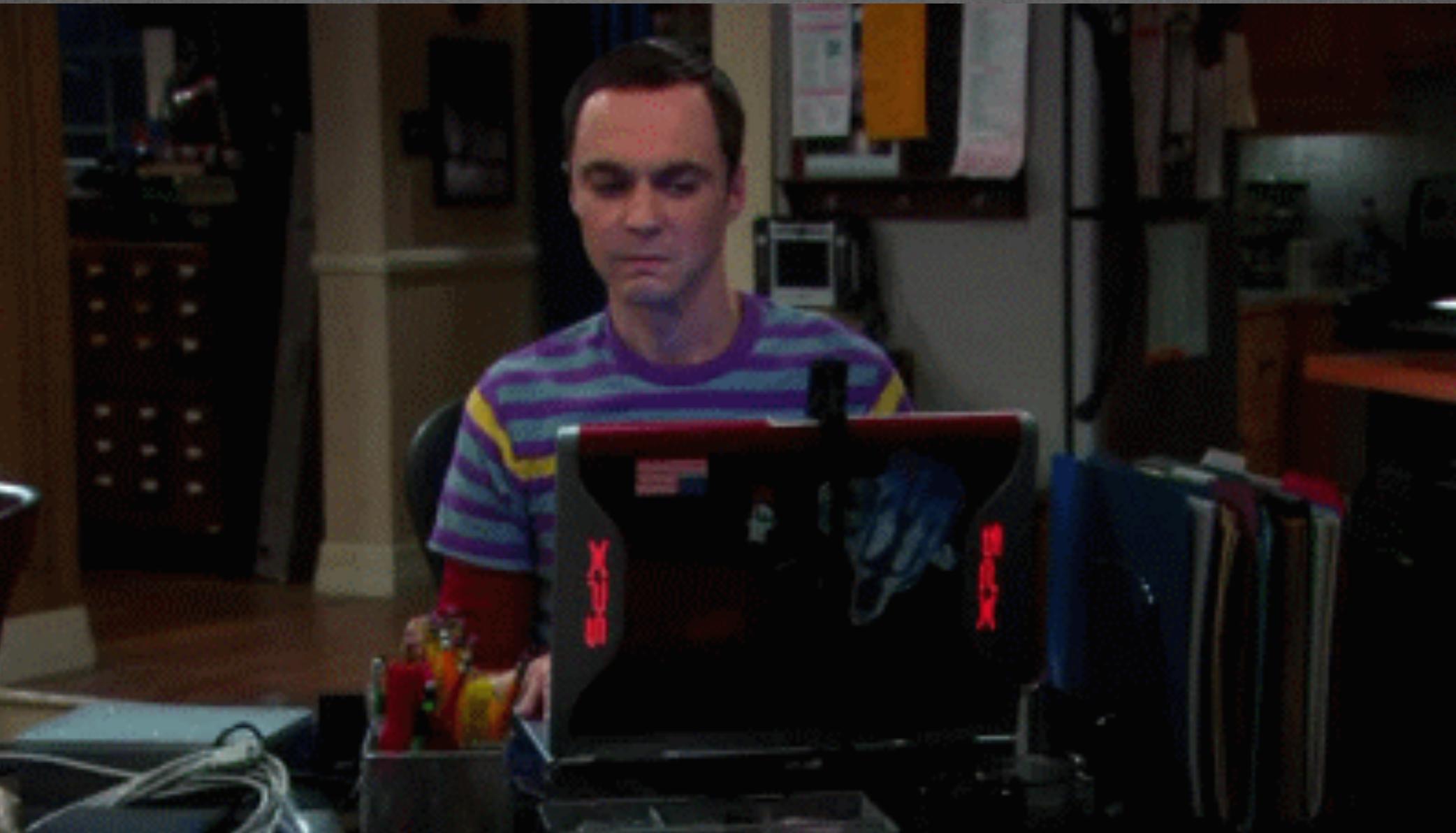
PRIME NG



What if the **behavior** of a component fits,
but the **styling** doesn't fit?

What if the **style** of a component fits,
but the **behavior** doesn't fit?

Customizing components can be hard



Build your own components from scratch

The final solution?





CDK?



Component Dev Kit

Angular Component Dev Kit?

„The Angular CDK gives developers solid, well-tested tools to add common interaction patterns with minimal effort.

[...], the CDK can help you build what you need in less time with less code and fewer bugs.

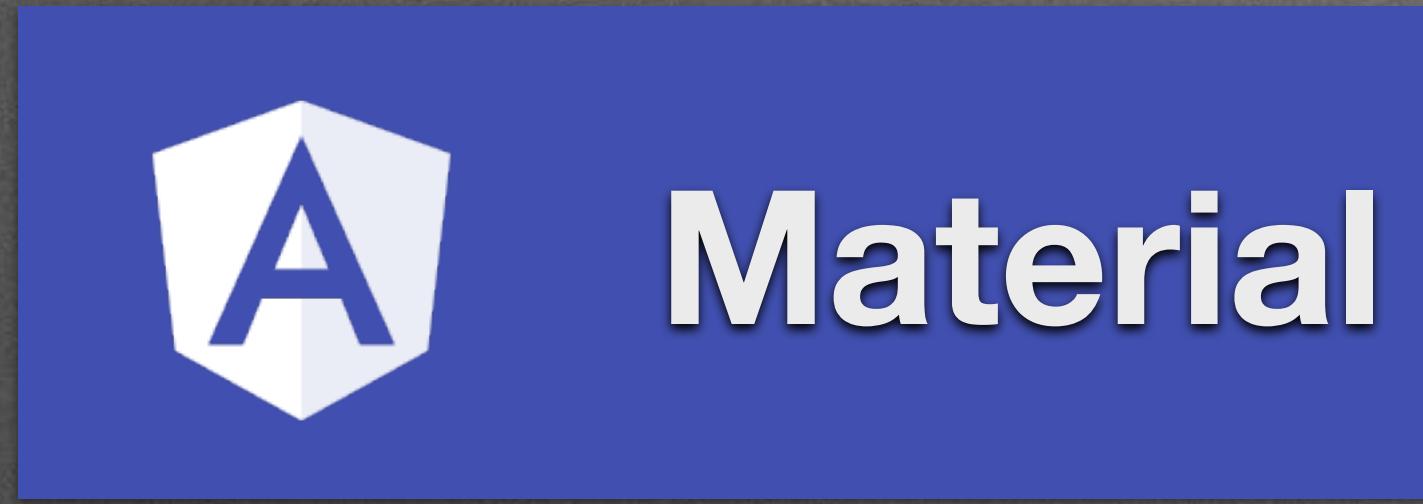
The CDK is also completely unopinionated when it comes to styling, making it easy to tailor your app to any visual language“



CDK: Facts

 @angular/cdk

-  Common base library for component development
-  <https://material.angular.io/cdk/>
-  <https://github.com/angular/components/tree/master/src/cdk>
-  MIT License
-  Developed by Angular Components team



UI Components
Styling
Themes



Base Components



Component behaviors



Interaction patterns

Core platform

CDK Modules

a11y

accordion

bidi

coercion

collections

drag-drop

keycodes

layout

observers

overlay

platform

portal

scrolling

stepper

table

testing

text-field

tree

Live Coding Time!



Summary

- 🔧 The CDK provides a lot of helpers for component development
- 🤓 Before building behaviors from scratch, consider using the CDK
- 📖 The CDK source code is a good source for learning
- ⚠ CDK is not a full-featured UI Toolkit
- ❤️ CDK can be used with any other UI toolkit

Thank you 🙏

<https://github.com/cjanz/cdk-samples>



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Images used in this slides

- <https://www.pexels.com/photo/flat-lay-photography-of-hand-tools-1029243/>
- <https://www.pexels.com/photo/photo-of-person-holding-black-pen-990818/>
- <https://www.pexels.com/photo/woman-in-black-coat-1181346/>
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