CDK

The toolbox for Angular

Christian Janz

Senior Consultant
Lead Software Architect Java

Please mind the gap 🤓

🐦 @c_janz

⚫ https://github.com/bridgingIT

📧 christian.janz@bridging-it.de

bridging IT

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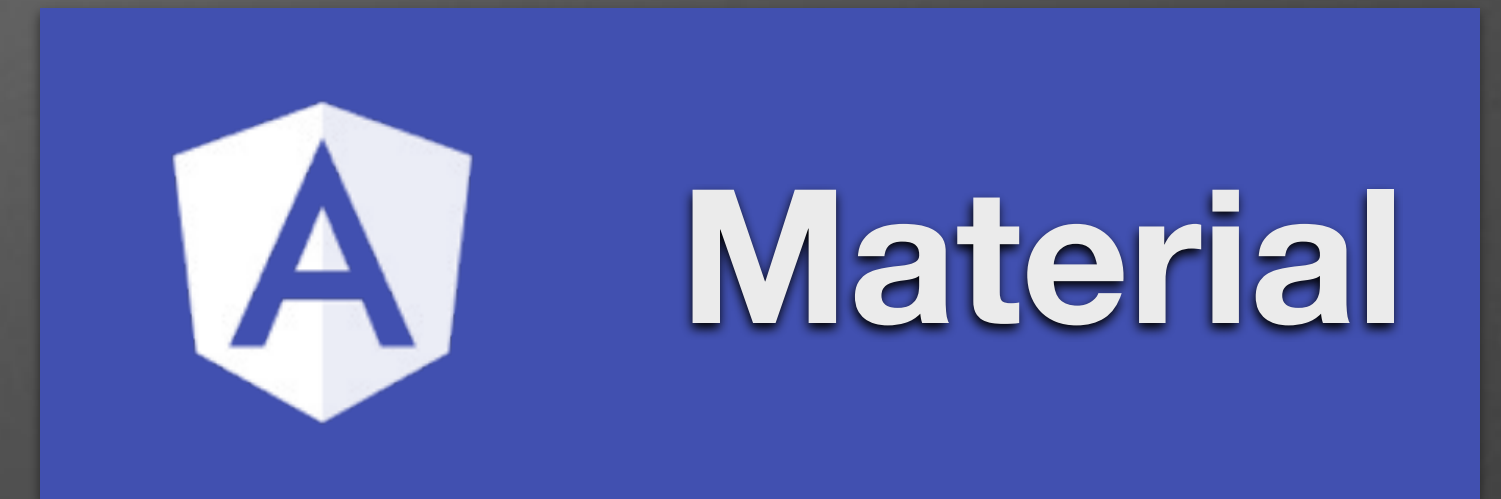
[…], the CDK can help you build what you need in less time with less code and fewer bugs.

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

https://blog.angular.io/a-component-dev-kit-for-angular-9f06e3b4b3b4

Something like...?

📈 UI Components
🖍️ Styling
📝 Themes

🔗 Base Components
🎟️ Component behaviors
📲 Interaction patterns

Core platform

CDK: History

https://www.npmjs.com/package/@angular/cdk?activeTab=versions
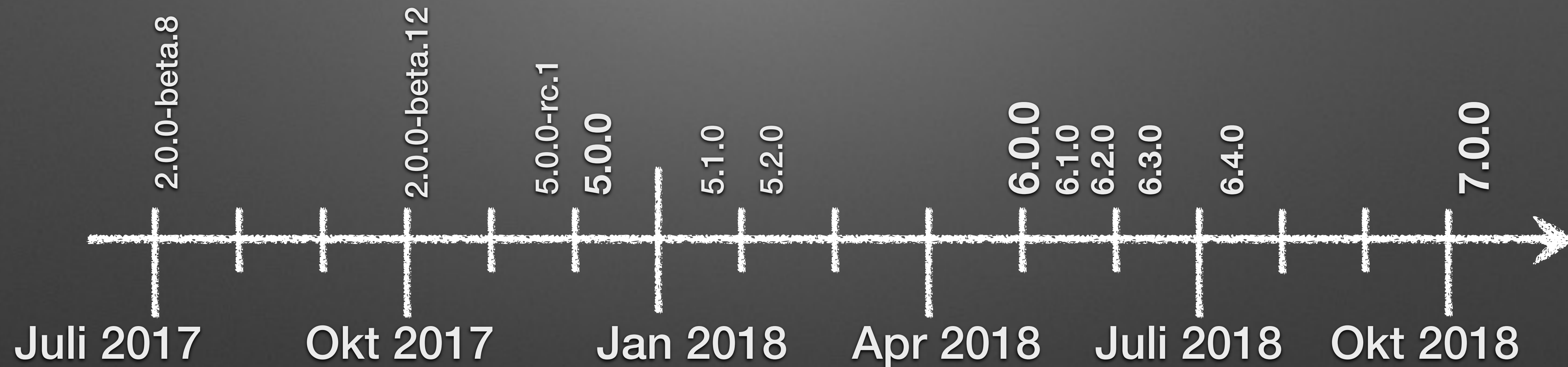
CDK: Facts

📕 @angular/cdk

📋 Common base library for component providers

📗 https://material.angular.io/cdk/

💻 https://github.com/angular/material2/tree/master/src/cdk

👨‍💼 MIT Lizenz

👥 Developed by Google

CDK Modules

a11y	accordion	bidi	coercion	collections	**New!** drag-drop
keycodes	layout	observers	overlay	platform	portal
New! scrolling	stepper	table	testing	text-field	tree

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Live Coding Time!

Summary

- The CDK provides a lot of helpers to simplify component development

  - To be used with the own component library

  - For learning purposes

- CDK is not a full-featured UI component library

- CDK can be used with any other UI component library

Further Reading

- A Component Dev Kit for Angular: https://blog.angular.io/a-component-dev-kit-for-angular-9f06e3b4b3b4

- ng-conf 2018: Angular CDK and Material in 2018

    - Slides: https://docs.google.com/presentation/d/1xR40kJbDvfsO-BHSmkjpaOPfqWMB9IXyh5z7sc8VB4c/preview

    - Video: https://www.youtube.com/watch?v=v__RuD9RX3I

- AngularMIX 2017: Angular CDK: The Component Dev Kit

    - Slides: https://docs.google.com/presentation/d/1inxmh3WKTVUmpqGfupkxjR9klysIVvlkRnA81ByBqbk/view?slide=id.p#slide=id.p

    - Video: https://www.youtube.com/watch?v=kYDLIfpTLEA

- Collection of CDK Examples: https://docs.google.com/presentation/d/1inxmh3WKTVUmpqGfupkxjR9klysIVvlkRnA81ByBqbk/preview?slide=id.g26df410828_0_122

- Custom Overlays with Angular's CDK: https://blog.thoughtram.io/angular/2017/11/20/custom-overlays-with-angulars-cdk.html

Thank you 🖐️

Sample Source Code

https://github.com/bridgingIT/cdk-samples

Images used in this slides

- https://www.pexels.com/photo/flat-lay-photography-of-hand-tools-1029243/

- https://www.pexels.com/photo/coding-computer-data-depth-of-field-577585/

- https://media.giphy.com/media/xT0xexIbN5TRe6RBMk/source.gif

- https://media.giphy.com/media/N0PFV6nGA72XC/giphy.gif