Next-gen Scaffolding
of UI5-Related Projects

Marius Obert, SAP SE
June 16th, 2021

UI5con
ON AIR

Agenda

Intro to easy-ui5

Foundation of easy-ui5

Projects on GitHub

Demo aka how to build your own plugin

Intro to easy-ui5
The idea

Introducing the easy-ui5 generator

Bootstrapping OpenUI5 projects can be very tedious and repetitive and involve tasks such as copying & pasting files/folders from one existing project to another. Many times you probably forget to update the best practices and dependencies to the most recent version, and then you need to edit all files manually... I say: NO MORE

In this blog post, I would like to introduce you to a new scaffolding tool I built during the last couple of months.

```
Desktop — -zsh — 58×5
Desktop % npm install -g yo generator-easy-ui5
```

Intro to easy-ui5

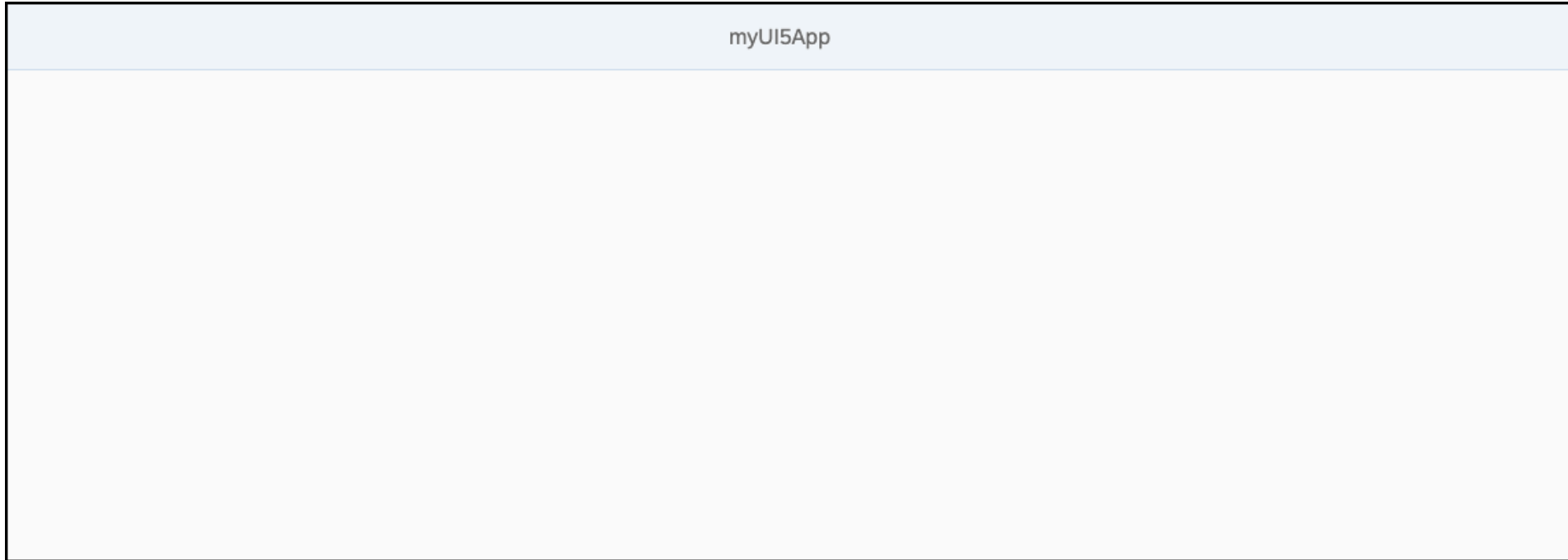The risk

https://xkcd.com/927/
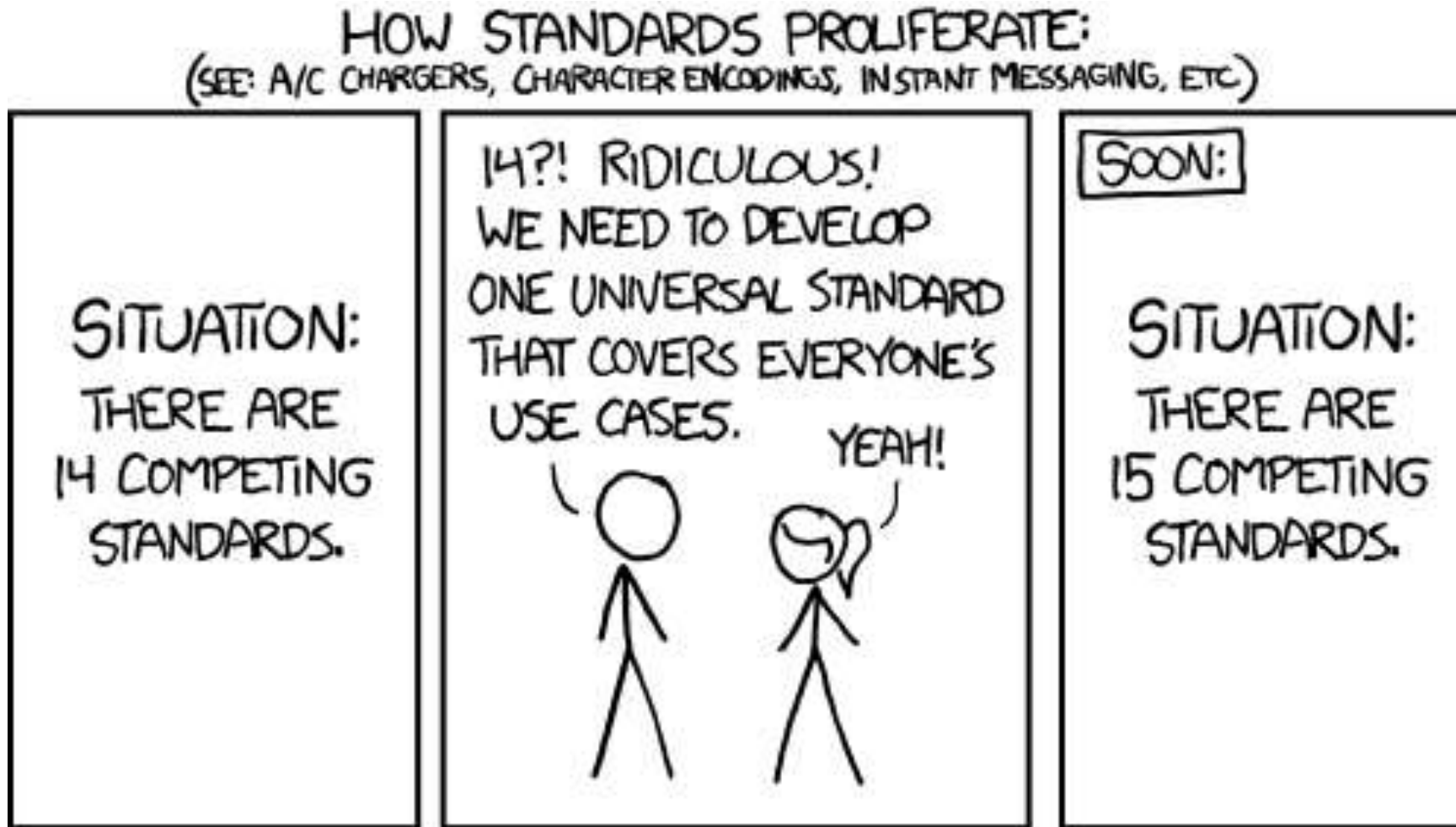
Intro to easy-ui5
Version 1

```
user: projects $ yo easy-ui5
? On which platform would you like to host the application? Application Router @ Cloud Foundry
? Where should your UI5 libs be served from? Content delivery network (SAPUI5)
? How do you want to name this project? myUI5App
? Which namespace do you want to use? com.myorg
? Which view type do you want to use? XML
? How do you want to name your main view? MainView
    force .yo-rc.json
   create .editorconfig
   create .eslintrc
   create .gitignore
   create .npmrc
   create karma-ci.conf.js
   create karma.conf.js
   create package.json
   create readme.md
   create ui5.yaml
   create webapp/Component.js
   create webapp/css/style.css
   create webapp/i18n/i18n_en.properties
   create webapp/i18n/i18n.properties
   create webapp/index.html
   create webapp/manifest.json
   create webapp/model/models.js
   create webapp/resources/img/favicon.ico
   create webapp/test/integration/AllJourneys.js
   create webapp/test/integration/arrangements/Startup.js
   create webapp/test/integration/BasicJourney.js
   create webapp/test/integration/opaTests.qunit.html
   create webapp/test/integration/opaTests.qunit.js
   create webapp/test/integration/pages/App.js
```

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Intro to easy-ui5
Version 1

myUI5App

Intro to easy-ui5

Version 3

Intro to easy-ui5
Version 3

Intro to easy-ui5
Growing fast

Downloads per year
Click and drag in the plot to zoom in
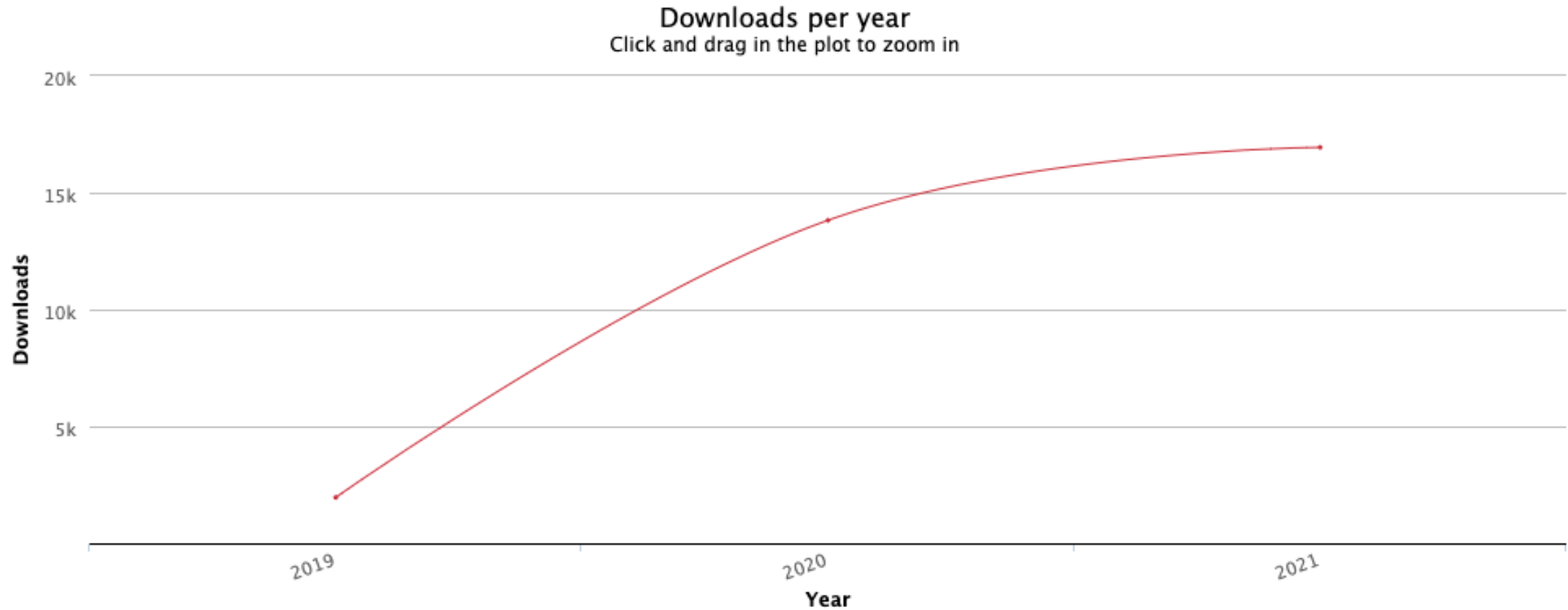
Taken from npm-stats.com

Foundation of easy-ui5

https://xkcd.com/2347/
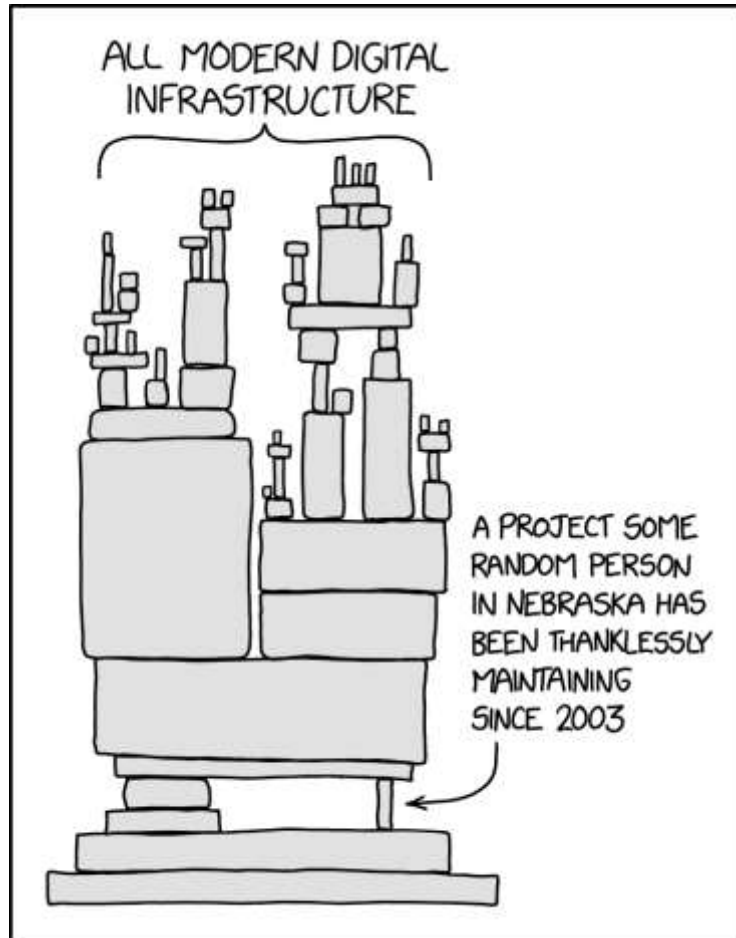
Foundation of easy-ui5

Yeoman

Yeoman helps you to kickstart new projects, prescribing best practices and tools to help you stay productive.

To do so, we provide a generator ecosystem. A generator is basically a plugin that can be run with the `yo` command to scaffold complete projects or useful parts.

- User interactions (prompts)

- File operations

- Dependency Management

- Units tests

- Integration with other tools

- …

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Projects on GitHub

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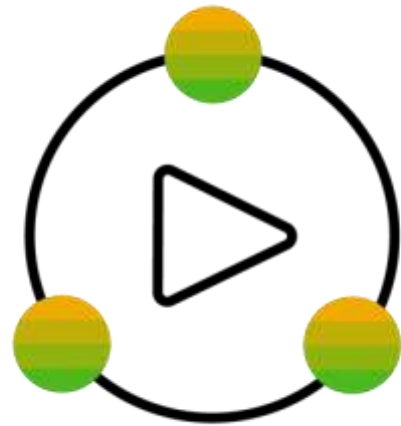
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5. **UI5-<YOUR IDEA>**

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Demo

If you want to report issues

https://xkcd.com/1700/
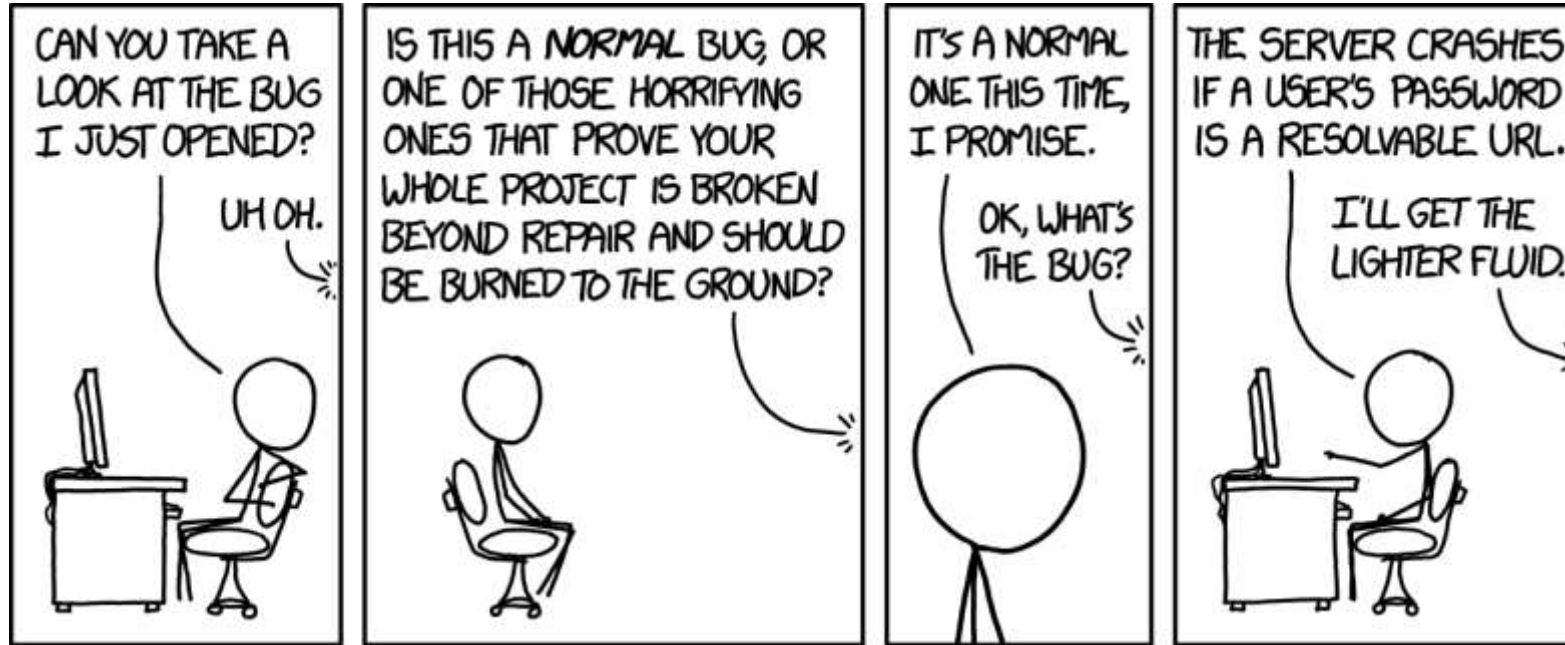
Links

- **Original blog post:** https://blogs.sap.com/2019/02/05/introducing-the-easy-ui5-generator/

- **Blog post about version 3:** https://blogs.sap.com/2021/04/09/easy-ui5-3.0-from-community-contributions-to-community-plugins/

- **Yeoman project:** http://yeoman.io/

- **Easy UI5 NPM entry:** http://npmjs.com/package/generator-easy-ui5

- **Easy UI5 on GitHub:** https://github.com/SAP/generator-easy-ui5#readme

- **New Project Generator on GitHub:** https://github.com/ui5-community/generator-ui5-project/

- **UI5 Community on GitHub:** https://github.com/ui5-community/

- **Podcast:** https://podcast.opensap.info/ui5-newscast/2021/03/03/ui5-newscast-016-easy-ui5-generator/

- **UI5ers Live #07:** https://www.youtube.com/watch?v=0notj9PPTho

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Thank you

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Marius Obert
Developer Advocate

🐦 @IObert_

👥 people.sap.com/mariusobert

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