

Storyboard

**A Comprehensive Introduction to Streamline
Your UI Development Process**



WHOAMI

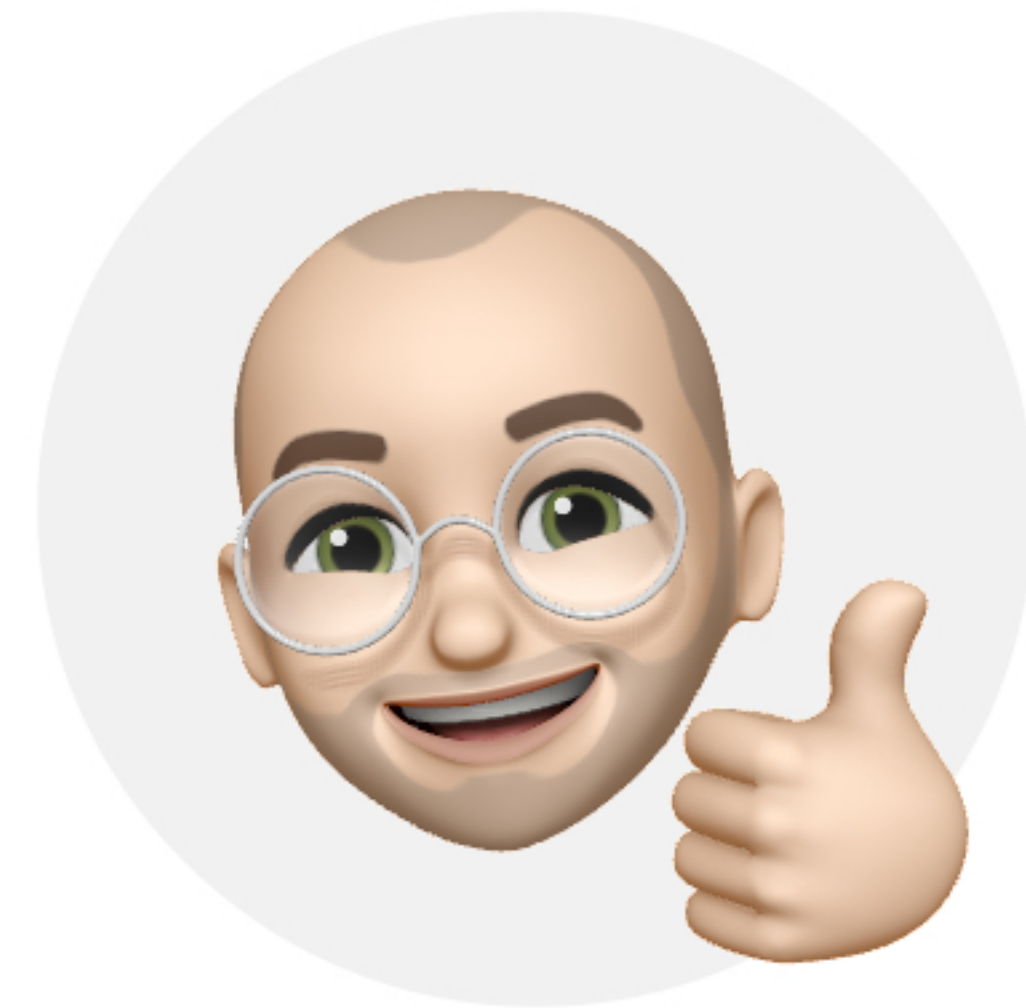
Florian Ludot

Co-founder & CTO @ Avanssion inc.

Born and raised 🇫🇷 / 4yrs 🇯🇵 / now 🇰🇷

Working with dev and design teams for +8yrs

florianldt.com or @florianldt



Who is this for?

Designers (we will use Figma & design principles)

Front-end developers (there will be code)

Team leaders & PMs (we will talk about collaboration)

Everyone curious about design and dev, and everything in between

Before starting

Every underlined texts, images and Demo have links to their resources

This talk is recorded

All materials used is open source and will be provided

Prepare your questions for the Q&A session at the end of the talk

We have a lot to cover in a short time

Most importantly and hopefully, enjoy the talk

Agenda

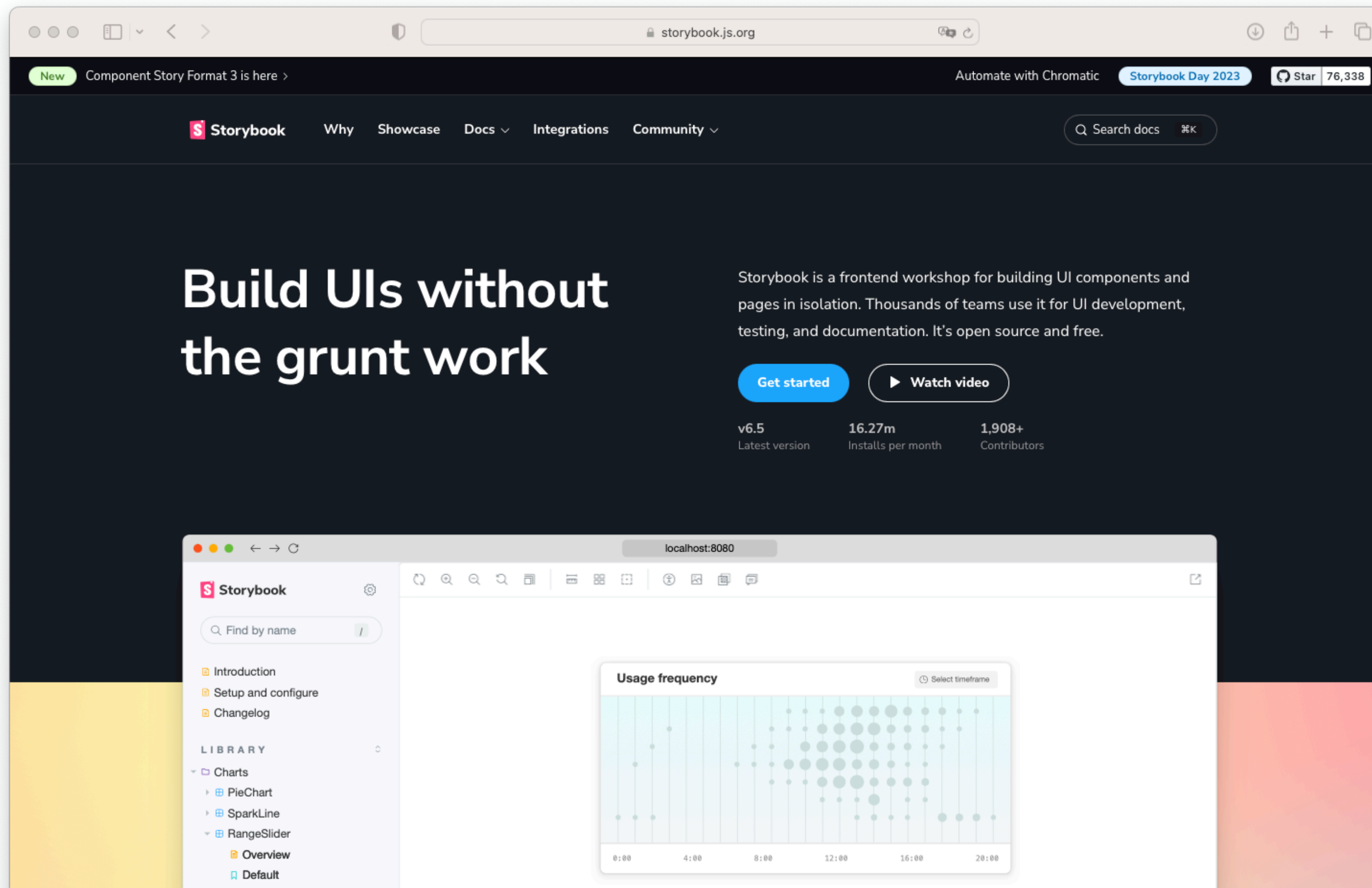
- 0 What's Storybook?
- 1 Why should you care?
- 2 Prepare the design
- 3 Storybook: implementation
- 4 Storybook: deployment
- 5 Publish the library
- 6 Integration
- 7 Final key takeaways
- 8 To learn more
- 9 Q&A

Agenda

- 0 What's Storybook?
- 1 Why should you care?
- 2 Prepare the design
- 3 Storybook: implementation
- 4 Storybook: deployment
- 5 Publish the library
- 6 Integration
- 7 Final key takeaways
- 8 To learn more
- 9 Q&A

What's Storybook?

“Storybook is a frontend workshop for building UI components and pages in isolation.”



Agenda

- 0 What's Storybook?
- 1 Why should you care?
- 2 Prepare the design
- 3 Storybook: implementation
- 4 Storybook: deployment
- 5 Publish the library
- 6 Integration
- 7 Final key takeaways
- 8 To learn more
- 9 Q&A

Why should you care?

Component-Driven Development (CDD)

Component documentation

Involve all stakeholders as soon as possible

Improve testing

Isolate UI from business logic

Iterate on your product quickly
Save time & money

Agenda

- 0 What's Storybook?
- 1 Why should you care?
- 2 Prepare the design
- 3 Storybook: implementation
- 4 Storybook: deployment
- 5 Publish the library
- 6 Integration
- 7 Final key takeaways
- 8 To learn more
- 9 Q&A

Prepare the design

Atomic Design

Introduced by Brad Frost in 2013

Methodology for creating design systems

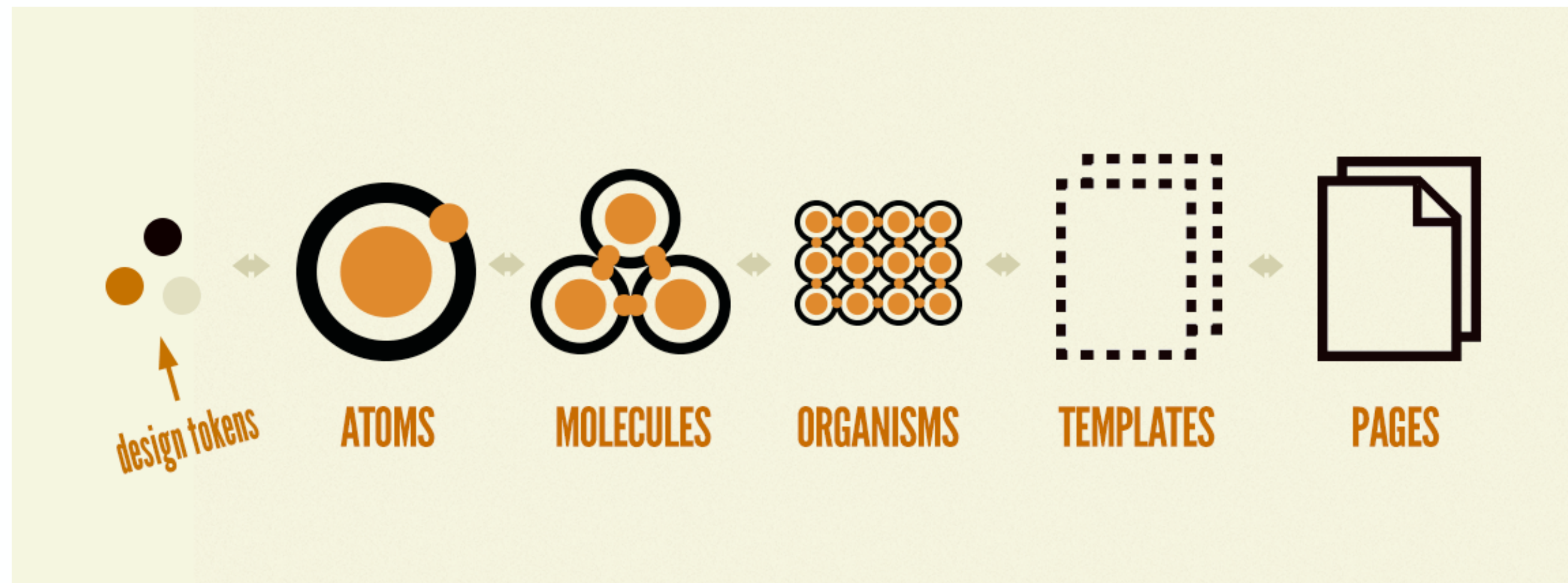
Originally composed of 5 distinct levels
extended to 6



atomicdesign.bradfrost.com

Prepare the design

Atomic Design



bradfrost.com/blog/post/extending-atomic-design

Prepare the design

Demo

Prepare the design

Best Practices and Tips

Don't forget “easy to forget” component states (disabled, loading, ...)

Document your design as much as possible

Avoid as much cognitive overhead for developers during the handoff

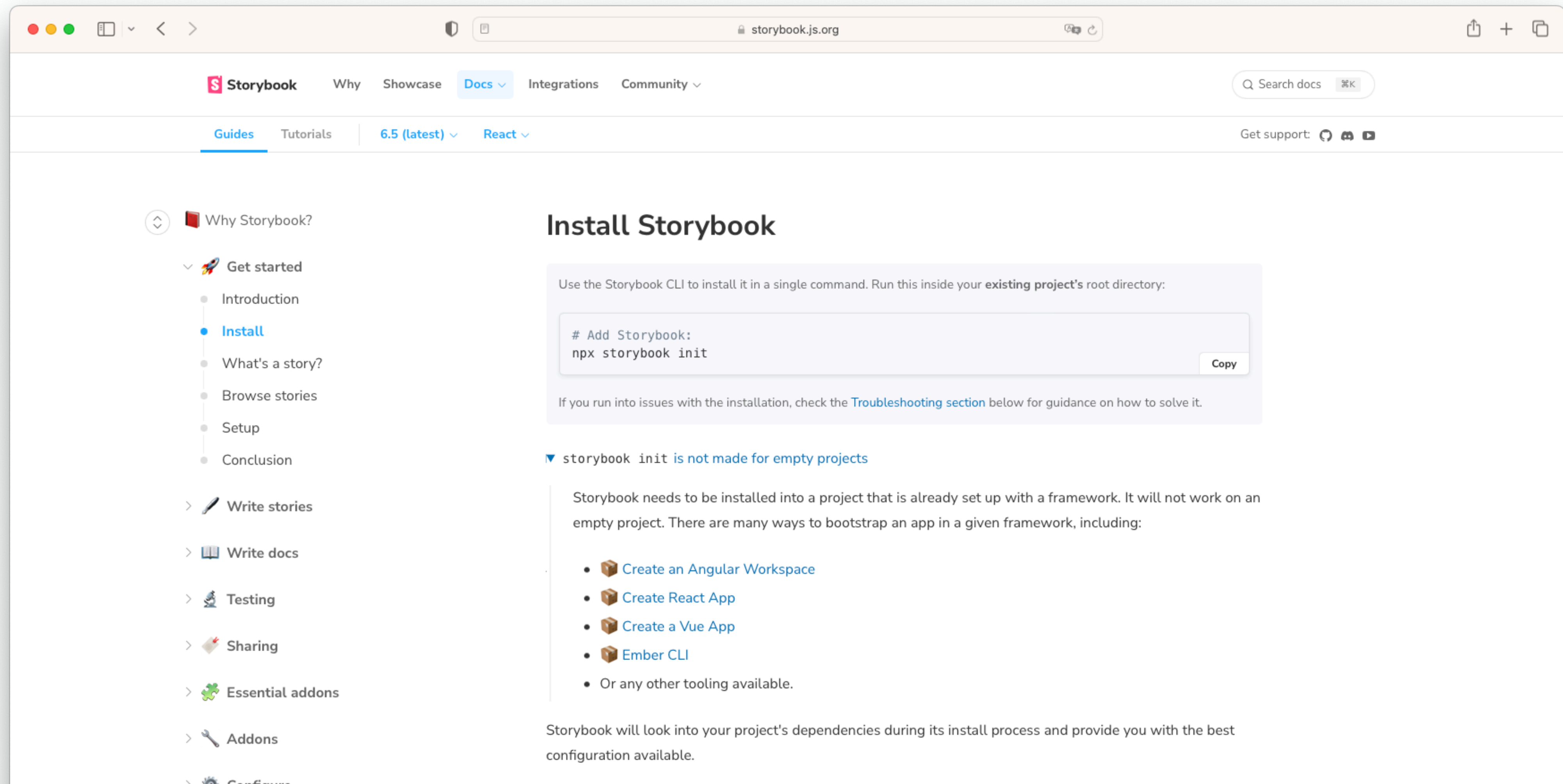
Involve stakeholders in your design process

Agenda

- 0 What's Storybook?
- 1 Why should you care?
- 2 Prepare the design
- 3 Storybook: implementation
- 4 Storybook: deployment
- 5 Publish the library
- 6 Integration
- 7 Final key takeaways
- 8 To learn more
- 9 Q&A

Storybook: implementation

Installation



Storybook: implementation

Demo

Storybook: implementation

Best Practices and Tips

Provide static and sandbox stories

Document your storybook as much as possible

Test accessibility right into your stories

storybook-addon-designs to embed Figma previews

Implementing templates and pages don't suit every projects

Involve stakeholders in your development process

Agenda

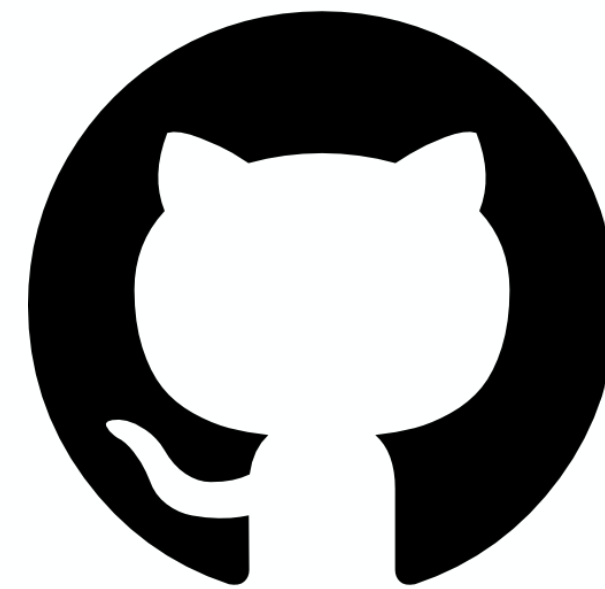
- 0 What's Storybook?
- 1 Why should you care?
- 2 Prepare the design
- 3 Storybook: implementation
- 4 Storybook: deployment
- 5 Publish the library
- 6 Integration
- 7 Final key takeaways
- 8 To learn more
- 9 Q&A

Storybook: deployment

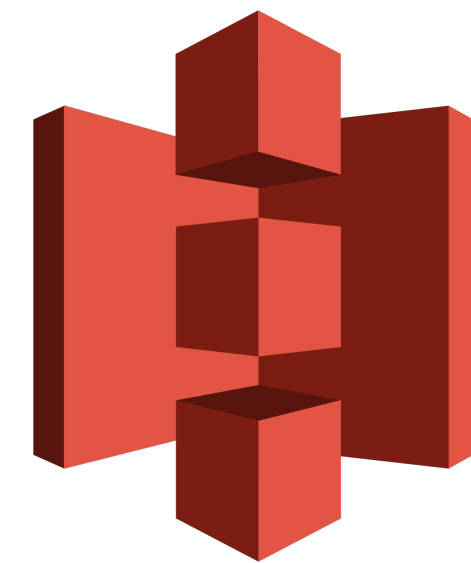
Choosing a hosting provider



[Chromatic](#)



[GitHub pages](#)



[AWS S3](#)

with plenty of other alternatives

Storybook: deployment

Why Chromatic

Easy setup

Publish public or private Storybooks

All your Storybooks in one place

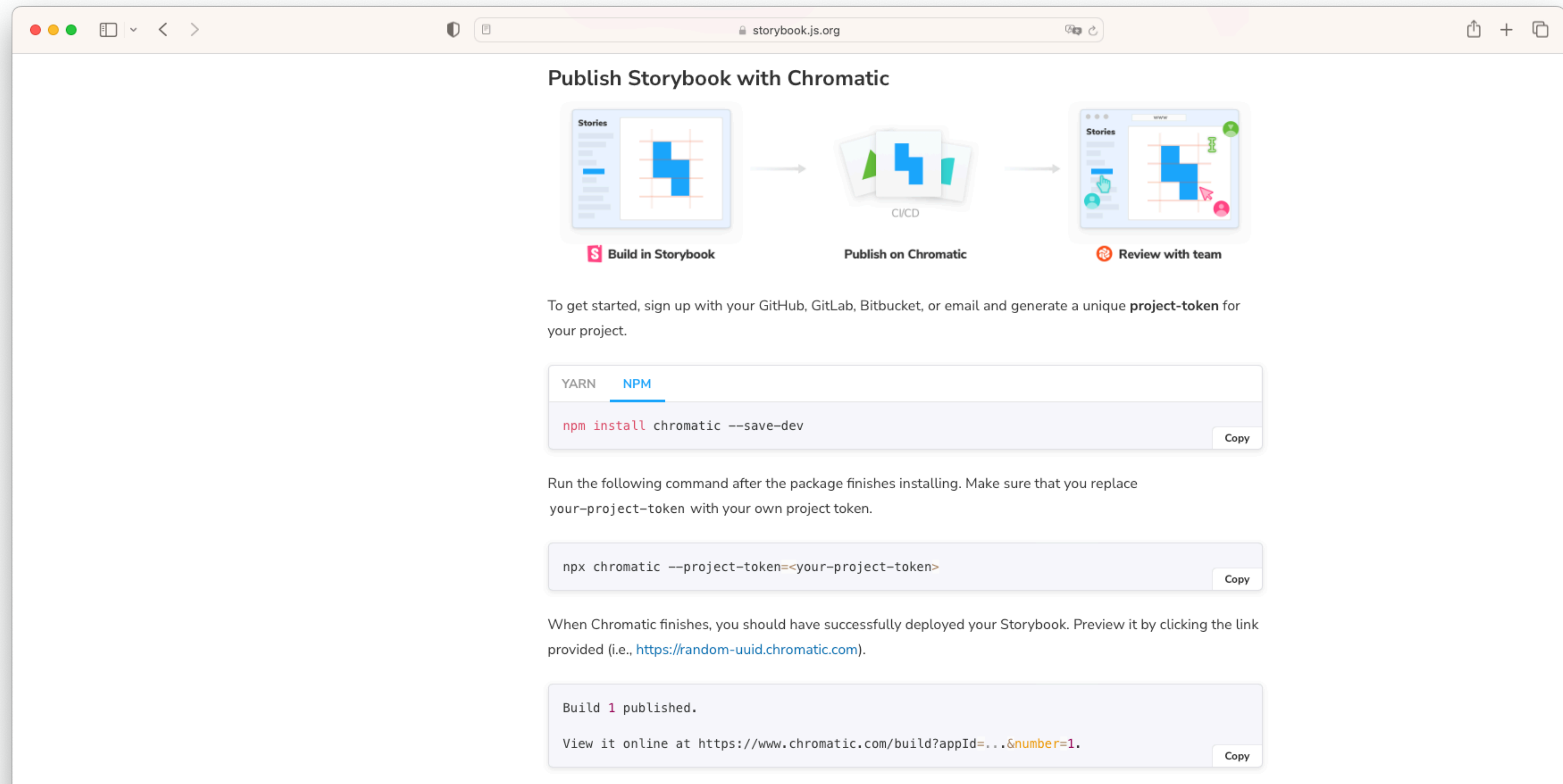
Git-style review & merge system for UI

Collaboration

Regression testing


Storybook: deployment

With Chromatic



The screenshot shows the 'Publish Storybook with Chromatic' page on storybook.js.org. It features a three-step process diagram: 'Build in Storybook' (represented by a Storybook interface icon), 'Publish on Chromatic' (represented by a CI/CD icon), and 'Review with team' (represented by a Storybook interface with review annotations icon). Below the diagram, instructions guide the user to sign up with GitHub, GitLab, Bitbucket, or email to generate a project-token. Two code blocks are provided: the first shows the command to install Chromatic via NPM, and the second shows the command to run Chromatic with a project-token. A final section shows the output of a successful build, including a link to view the deployment online.

Publish Storybook with Chromatic



To get started, sign up with your GitHub, GitLab, Bitbucket, or email and generate a unique **project-token** for your project.

YARN **NPM**

```
npm install chromatic --save-dev
```

Copy

Run the following command after the package finishes installing. Make sure that you replace your-project-token with your own project token.

```
npx chromatic --project-token=<your-project-token>
```

Copy

When Chromatic finishes, you should have successfully deployed your Storybook. Preview it by clicking the link provided (i.e., <https://random-uuid.chromatic.com>).

```
Build 1 published.
```

```
View it online at https://www.chromatic.com/build?appId=...&number=1.
```

Copy

Storybook: deployment

With Chromatic

Demo

Storybook: deployment

Best Practices and Tips

Storybooks are private by default

5,000 free snapshots/month

Sync your Chromatic project with the GitHub repo

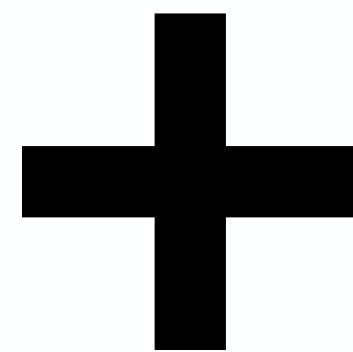
Use Continuous Integration

Agenda

- 0 What's Storybook?
- 1 Why should you care?
- 2 Prepare the design
- 3 Storybook: implementation
- 4 Storybook: deployment
- 5 Publish the library
- 6 Integration
- 7 Final key takeaways
- 8 To learn more
- 9 Q&A

Publish the library

Choose between a public or private library



Rollupjs

npm

Publish the library

Configuration

```
import typescript from '@rollup/plugin-typescript';

export default [
  {
    input: './src/index.ts',
    output: [
      {
        dir: 'dist',
        entryFileNames: '[name].js',
        exports: 'auto',
        format: 'cjs',
        preserveModules: true,
        preserveModulesRoot: 'src',
      },
      {
        dir: 'dist',
        entryFileNames: '[name].mjs',
        exports: 'auto',
        format: 'es',
        preserveModules: true,
        preserveModulesRoot: 'src',
      },
    ],
    plugins: [
      typescript({
        tsconfig: './tsconfig.build.json',
        declaration: true,
        declarationDir: 'dist',
      }),
    ],
    external: ['react', 'styled-components'],
  },
];
```

rollup -c rollup.config.ts --configPlugin @rollup/plugin-typescript

Publish the library

Best Practices and Tips

Should you really publish your component library?

If yes, should it be a public or private one

Build your library using Typescript or provide types

Document your library

Write tests and provide code coverage

Use a changelog to keep track of changes

Agenda

- 0 What's Storybook?
- 1 Why should you care?
- 2 Prepare the design
- 3 Storybook: implementation
- 4 Storybook: deployment
- 5 Publish the library
- 6 Integration
- 7 Final key takeaways
- 8 To learn more
- 9 Q&A

Integration

For npm

npm install tkcreativekit styled-components

For yarn

yarn add tkcreativekit styled-components

```
import React from 'react';
import { createGlobalStyle, ThemeProvider } from 'styled-components';
import { Button, styleReset, theme } from 'tkcreativekit';

const GlobalStyle = createGlobalStyle`
  ${styleReset}
`;

function App() {
  return (
    <div>
      <GlobalStyle />
      <ThemeProvider theme={theme}>
        <Button>Sign up</Button>
      </ThemeProvider>
    </div>
  );
}

export default App;
```


Integration

Search or jump to...

Pull requests

Issues

Codespaces

Marketplace

Explore

florianldt / tkcreativekit-integration

Public

Unwatch 1

Fork 0

Star 0

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

master

1 branch

0 tags

Go to file

Add file

<> Code

florianldt

Merge pull request #1 from florianldt/add-license

d3ed658 11 minutes ago 3 commits

public	chore: initial commit	13 minutes ago
src	chore: initial commit	13 minutes ago
.gitignore	chore: initial commit	13 minutes ago
LICENCE	Create LICENCE	11 minutes ago
README.md	chore: initial commit	13 minutes ago
package-lock.json	chore: initial commit	13 minutes ago
package.json	chore: initial commit	13 minutes ago
tsconfig.json	chore: initial commit	13 minutes ago

README.md

Creative Tokyo Kit - Integration

Demo integration of tkcreativekit.

Table of Contents

- About the Project
- Installation
- Usage

About

Demo integration of tkcreativekit.

Readme

MIT license

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Languages

TypeScript 79.9%

HTML 12.7%

CSS 7.4%

Integration

Best Practices and Tips

Use *npm link x* or *npm install /local/path/to/x* while testing integrations

Agenda

- 0 What's Storybook?
- 1 Why should you care?
- 2 Prepare the design
- 3 Storybook: implementation
- 4 Storybook: deployment
- 5 Publish the library
- 6 Integration
- 7 Final key takeaways
- 8 To learn more
- 9 Q&A

Final key takeaways

Study Human Interface Guidelines ([Web](#), [Apple platforms](#), [Android platforms](#))

Onboard and communicate with stakeholders early on

The Storybook is a living document

Start using Storybook for new projects

Gradually adopt it for existing projects

Study top company Storybooks

Get your hands dirty

Agenda

- 0 What's Storybook?
- 1 Why should you care?
- 2 Prepare the design
- 3 Storybook: implementation
- 4 Storybook: deployment
- 5 Publish the library
- 6 Integration
- 7 Final key takeaways
- 8 To learn more
- 9 Q&A

To learn more

Figma: figma.com/file/xzj8gzuhGNqVyGfFNtCglC/Creative-Tokyo-Kit

Comp. library + Storybook repo + slides: github.com/florianldt/tkcreativekit

Storybook preview: master--63f12fea8a787fc74f71d1b8.chromatic.com

npm package: npmjs.com/package/tkcreativekit

Integration repo: github.com/florianldt/tkcreativekit-integration

Inspirations: [SAP](#), [Microsoft](#), [IBM Carbon](#), [Uber Base](#) (not using Storybook)

Atomic Design Methodology : atomicdesign.bradfrost.com/chapter-2/

Alternatives: [Pattern Lab](#), [React Cosmos](#), [Ladle](#), ...

Agenda

- 0 What's Storybook?
- 1 Why should you care?
- 2 Prepare the design
- 3 Storybook: implementation
- 4 Storybook: deployment
- 5 Publish the library
- 6 Integration
- 7 Final key takeaways
- 8 To learn more
- 9 Q&A

Thank you



Q&A

