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React UI frameworks

Code.Learn Program:
React

UI frameworks

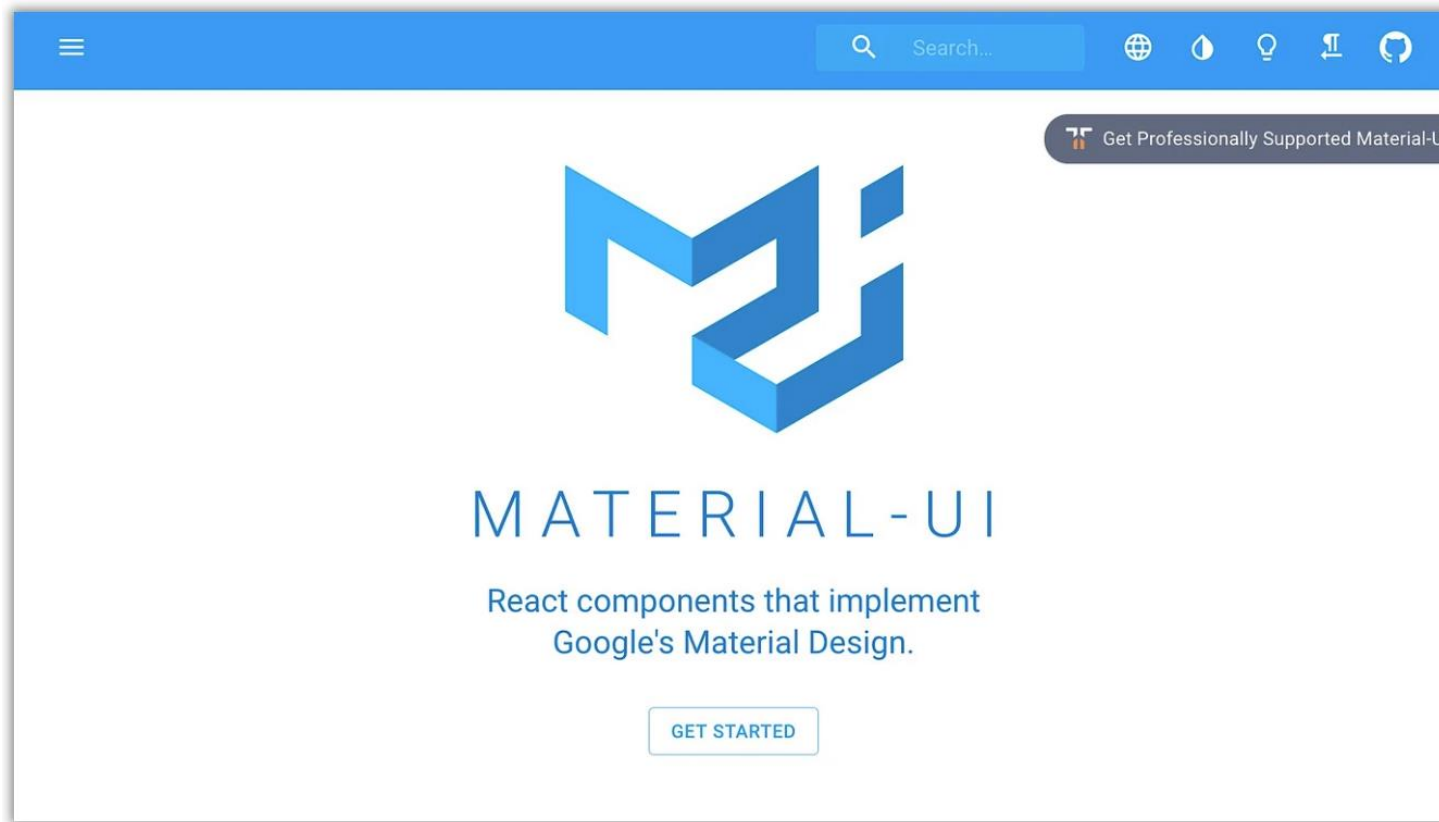
Nowadays there are a lot of UI frameworks for React:

- Material-UI
- React Bootstrap
- Semantic UI React
- Reactstrap
- Ant Design
- Blueprint
- Rebass

Which front-end framework would be used?

Depending on the project complexity and requirements because the main reason is to ease your development process.

Material UI

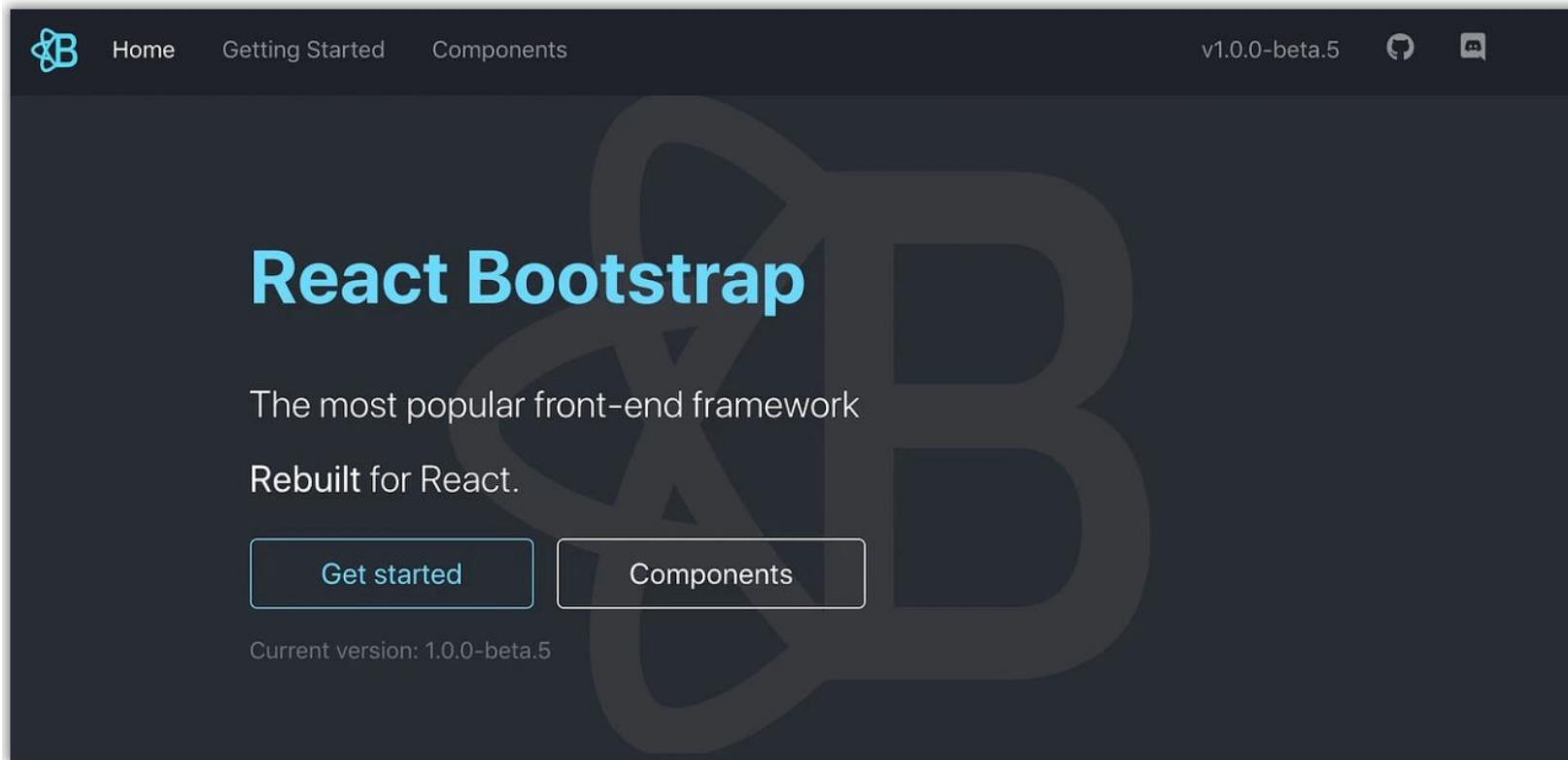


- MaterialUI is a set of components built based on the material design guidelines of Google.
- Material UI consists of many accessible and configurable UI widgets.

Material UI

- The components are self-supporting and only inject the styles they need to display, which could lead to performance enhancements in your application.
- MaterialUI has an active set of maintainers and a strong community behind it. It currently has over 54k stars on GitHub, making it one of the most popular component libraries out there.
- It provides a simple, light, and user-friendly layout and design to make building beautiful applications a breeze.
- Using it is borrowing from the Google design team's wealth of knowledge of how consistent and easy-to-use interfaces should look.
- If you're looking to build a beautiful, consistent, and light interface quickly without sacrificing accessibility and performance, material design will help you achieve that.

React Bootstrap

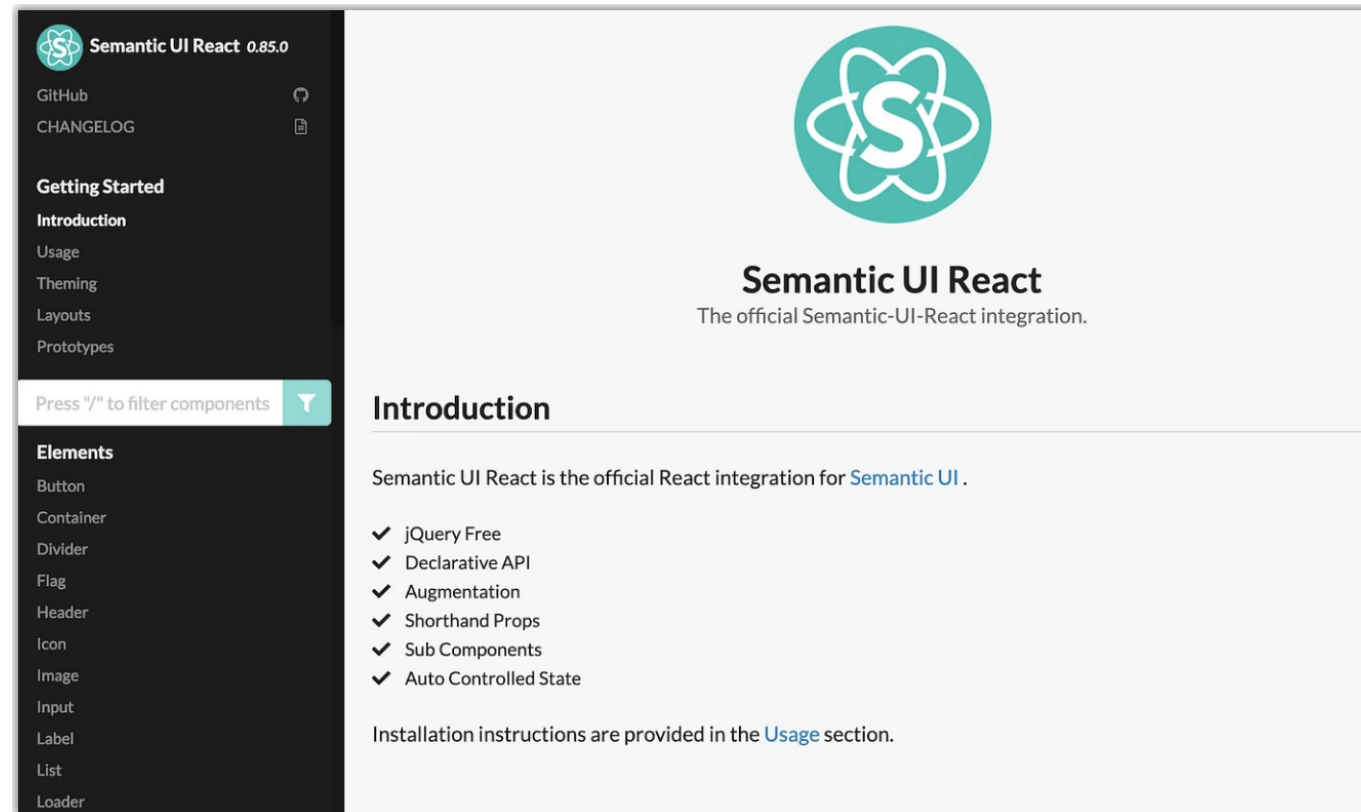


- React Bootstrap is a UI kit based on the bootstrap library.
- It simply replaces the JavaScript in the regular Bootstrap components with React code.

React Bootstrap

- Using React bootstrap is often intuitive to use because of the number of available bootstrap themes.
- It is arguably the fastest way to get started building interfaces using React and Bootstrap.
- It has gained popularity over the years and now has over 17k stars on GitHub.
- It also gathers over 500k downloads on npm weekly.
- If you want to build React apps quickly, React Bootstrap can be very useful.
- It's world's most popular front-end component library, and it has a lot of starter kit, resources, and themes readily available for use.

Semantic UI React

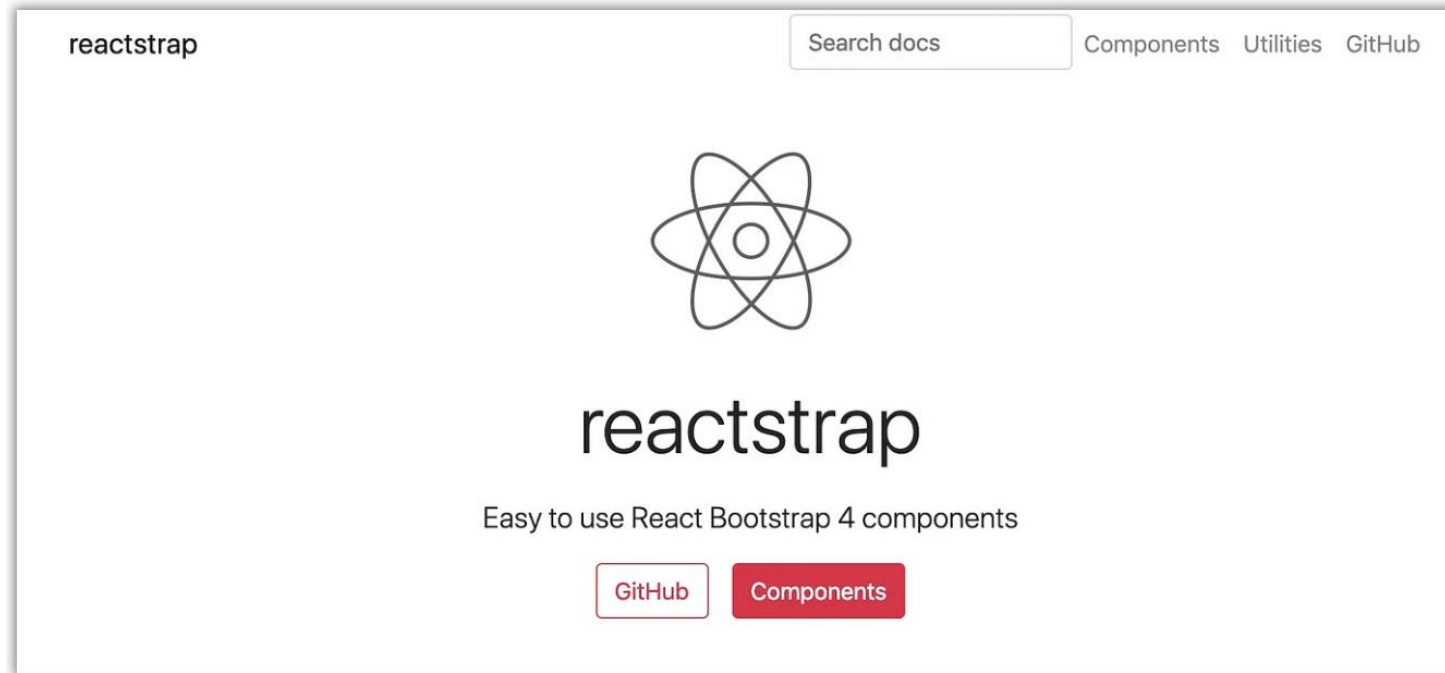


- This framework is quite similar to bootstrap but a little more extensive.
- Semantic UI has a sleek flat design and uses human-friendly HTML for its development framework.

Semantic UI React

- It offers compatibility with React, Angular, Ember, Meteor and many other frameworks.
- Also, there are 20+ themes where you can choose from the Star count of this library just hit 10000 on Github recently.
- Semantic UI allows you to load any of the CSS themes on top of your Semantic UI React app.
- Moreover, you'll have complete access to the markup, which means that it offers flexibility in customizing components as well.

Reactstrap

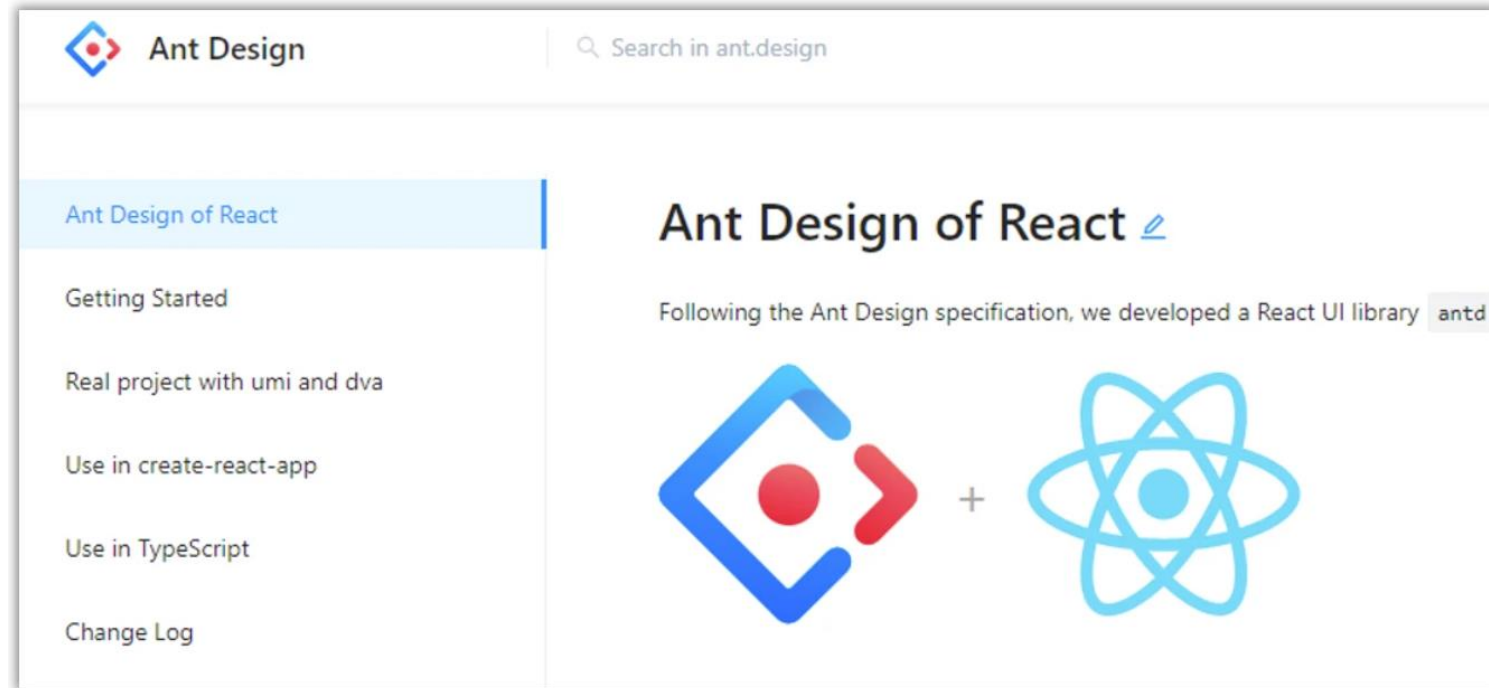


- supports Bootstrap 4
- very simple to use

Reactstrap

- is well maintained
- self-contained components do have advantages over a large stylesheet, div soup, class names, and query hooks.
- contains React Bootstrap 4 components that favor composition and control
- the library does not depend on jQuery or Bootstrap javascript
- Is library that crosses the 8,700 star mark on GitHub.

Ant Design

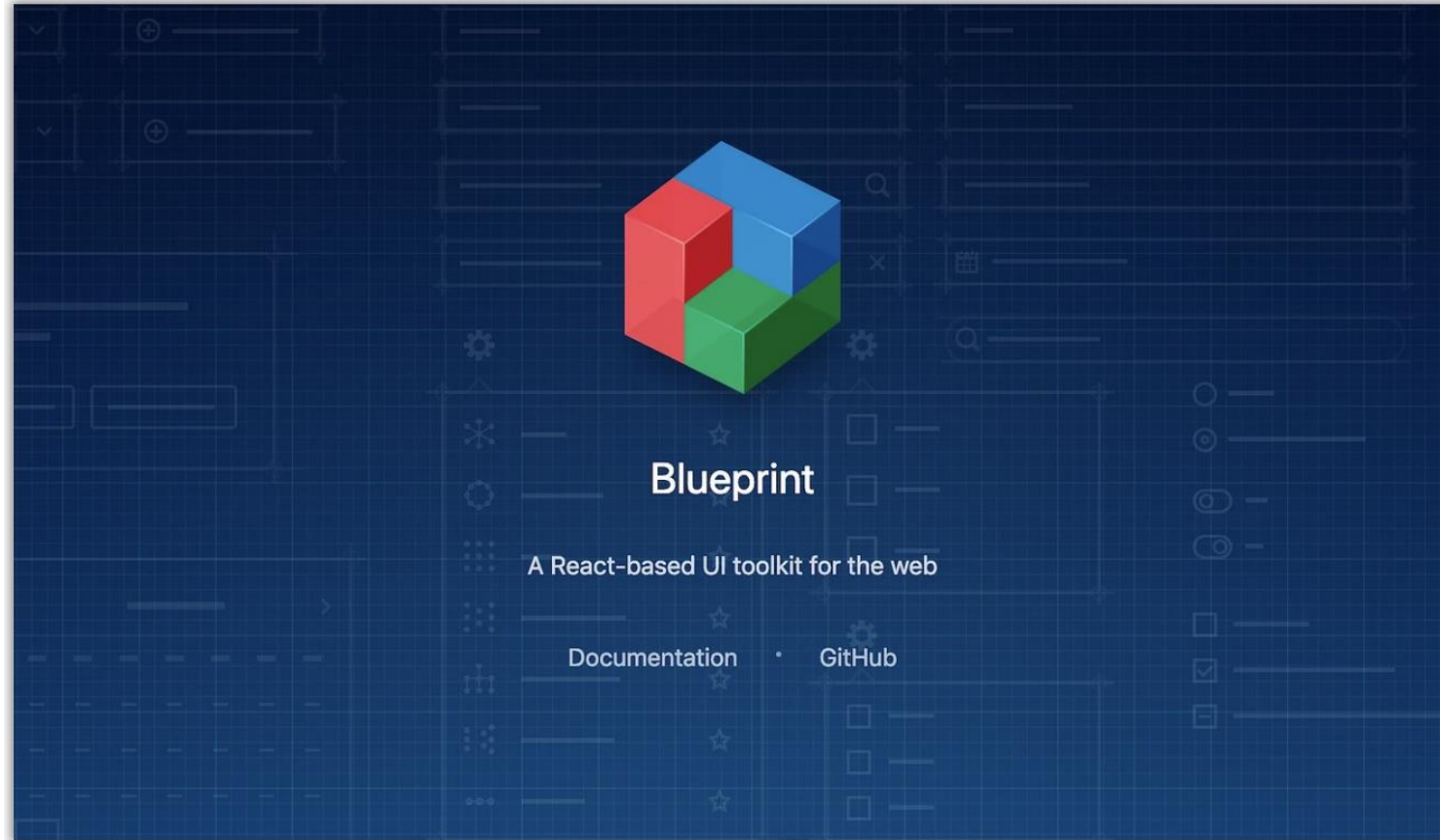


- Ant Design is a set of enterprise-class UI designed for web applications.
- It provides over 50 customizable components that can be used to craft beautiful applications.

Ant Design

- Ant Design recently beat material UI to become the most popular React UI library on GitHub with over 56k stars.
- Every aspect of Ant Design is completely thought-out down to the smallest detail. It's built based on a design system created by the makers.
- It is specially created for internal desktop applications and is based on several principles and unitary specifications. It makes design and prototype more simple and accessible for all of a project's members.
- If you'd like to create applications that provide a native feel for your users, definitely check it out.
- There's also a mobile version of Ant Design.

Blueprint

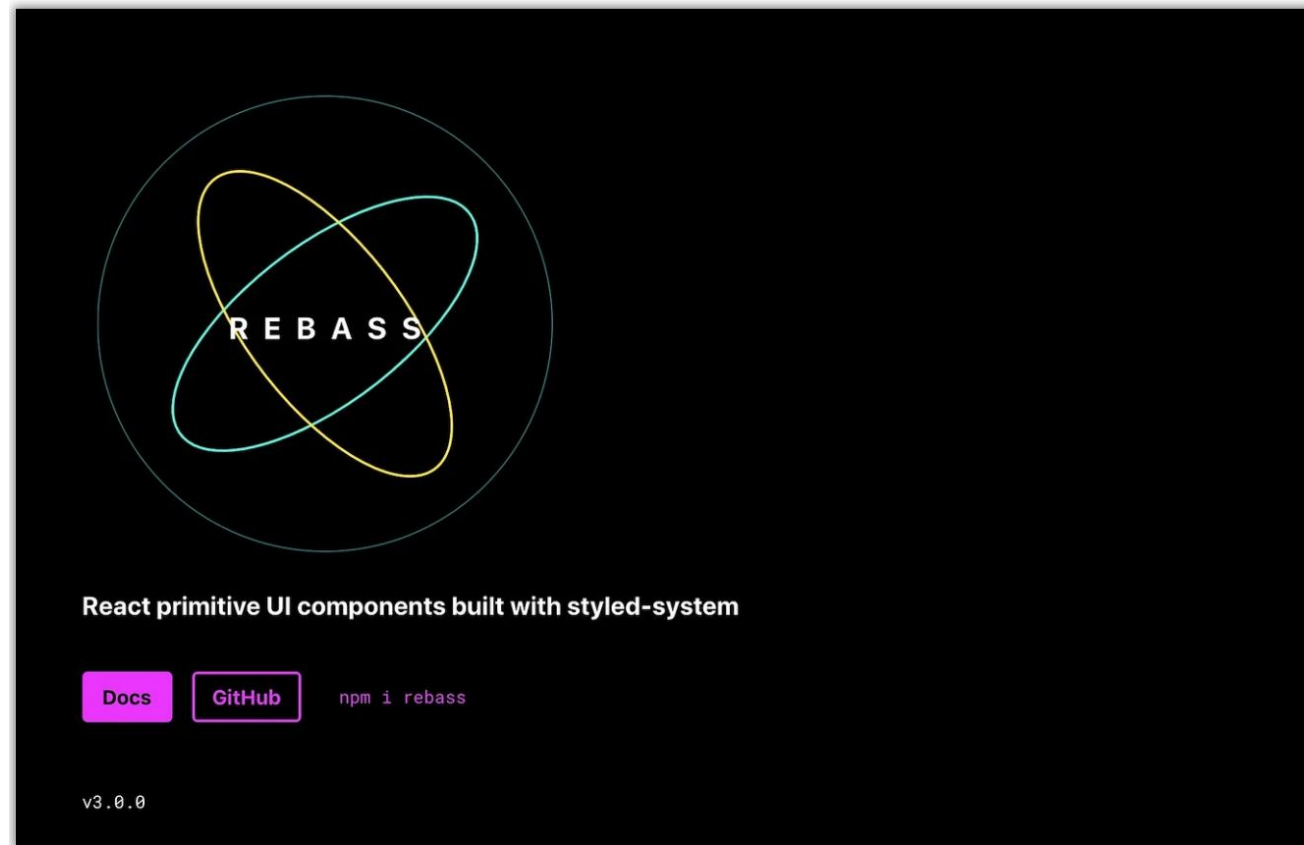


- Blueprint is a React-based UI toolkit for the web.
- It is optimized for building complex, data-dense web interfaces for desktop applications that run in modern browsers and IE11.

Blueprint

- It is not a mobile-first UI toolkit.
- From the component library, you can pick up bits of code for generating and displaying icons, interacting with dates and times, picking timezones, and more.
- With over 15k stars on GitHub and a weekly download of over 100k on npm, it is one of the fastest-growing UI libraries in the past year.
- If you're building something that needs to deal with a lot of data and a lot of flexibility, then consider taking a look at Blueprint.

Rebass



- Rebass is a tiny UI components library capable of creating a very powerful set of theme-able UI elements based on the Styled System library.
- Rebass contains only eight foundational components in a super-small file, all built specifically for responsive web design.

Rebass

- The components use styled-system and serve as a great starting point for extending into custom UI components for your app using its inbuilt ThemeProvider.
- If you don't want to rely completely on component libraries and intend to extend an already existing one during development, you should definitely check out Rebass.
- It's rapidly gaining popularity. The project currently has over 6k stars on GitHub and gathers around 130k downloads per month from npm.