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# Material UI - Overview

Material UI is an open-source React component library that implements Google's Material Design. It's comprehensive and can be used in production out of the box.

## Introduction



Material UI is an open-source React component library that implements Google's [Material Design](#) .

It includes a comprehensive collection of prebuilt components that are ready for use in production right out of the box, and features a suite of customization options that make it easy to implement your own custom design system on top of our components.

- i Material UI v5 supports Material Design 2. Adoption of Material Design 3 is tentatively planned for Material UI v7—see [the announcement blog post](#) for more details. You can follow [this GitHub issue](#) for future updates.

## Advantages of Material UI



- **Ship faster:** Over 2,500 open-source [contributors](#) have poured countless hours into these components. Focus on your core business logic instead of reinventing the wheel—we've got your UI covered.
- **Beautiful by default:** We're meticulous about our implementation of [Material Design](#) , ensuring that every Material UI component meets the highest standards of form and function, but diverge from the official spec where necessary to provide multiple great options.
- **Customizability:** The library includes an extensive set of intuitive customizability features. [The templates](#) in our store demonstrate how far you can go with customization.
- **Cross-team collaboration:** Material UI's intuitive developer experience reduces the barrier to entry for back-end developers and less technical designers, empowering teams to collaborate more effectively. The [design kits](#) streamline your workflow and boost consistency between designers and developers.
- **Trusted by thousands of organizations:** Material UI has the largest UI community in the React ecosystem. It's almost as old as React itself—its history stretches back to 2014—and we're in this for the long haul. You can count on the community's support for years to come (for example [Stack Overflow](#)).

# Material UI vs. Base UI



Material UI and [Base UI](#) feature many of the same UI components, but Base UI comes without any default styles or styling solutions.

Material UI is *comprehensive* in that it comes packaged with default styles, and is optimized to work with [Emotion](#) (or [styled-components](#)).

Base UI, by contrast, could be considered the "skeletal" or "headless" counterpart to Material UI—in fact, future versions of Material UI will use Base UI components and hooks for its foundational structure.

## Start now



Get started with Material UI today through some of these useful resources:



### Installation

Add Material UI to your project with a few commands.



### Usage

Learn the basics about Material UI components.



### Example projects

A collection of boilerplates to jumpstart your next project.



### Customizing components

Learn about the available customization methods.



### Templates

Get started with a selection of free templates.



### Design resources

The Material UI components in your favorite design tool.



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