Composition API

- The syntax we've used so far is called the **Options API**, the standard way to build components in Vue 2. It's still present in Vue 3 and doesn't appear to be going anywhere anytime soon.

- Vue 3 introduced the **Composition API** as an alternate way to create Vue components. It solves some of the problems that the Options API has.

Why?

- **Issue 1:** Code that logically belongs together (i.e., the same feature) is split across multiple parts of the component configuration object (**data**, **methods**, and **computed**)

- **Issue 2:** Difficult to reuse logic across components. Vue offered mixins in Version 2 but they're considered an anti-pattern.

Composables

- With the **Composition API**, we write functions (also called composables) that use Vue's reactive features.

- We can write these functions *outside* of a component and *reuse* them across multiple components.

New and Old Ideas

- The Composition API bundles together all component logic in a single **setup** method that is part of the Vue configuration object.

- The HTML template syntax (like Vue directives) doesn't change. Other Vue object properties (props, components, etc) do not change either.