



A magically disappearing framework

# A compiler, not a runtime

```
<!-- App.html -->  
<h1>Hello {name}!</h1>
```

Turns into Vanilla JS in the browser

# Runtimes live in your browser

- Angular, React, Vue
- Interpret your code at runtime

# Compilers live in your dev env

- Turn your apps and components into plain JS
- Work as part of your build flow (webpack, rollup, parcel)

# Why compile?

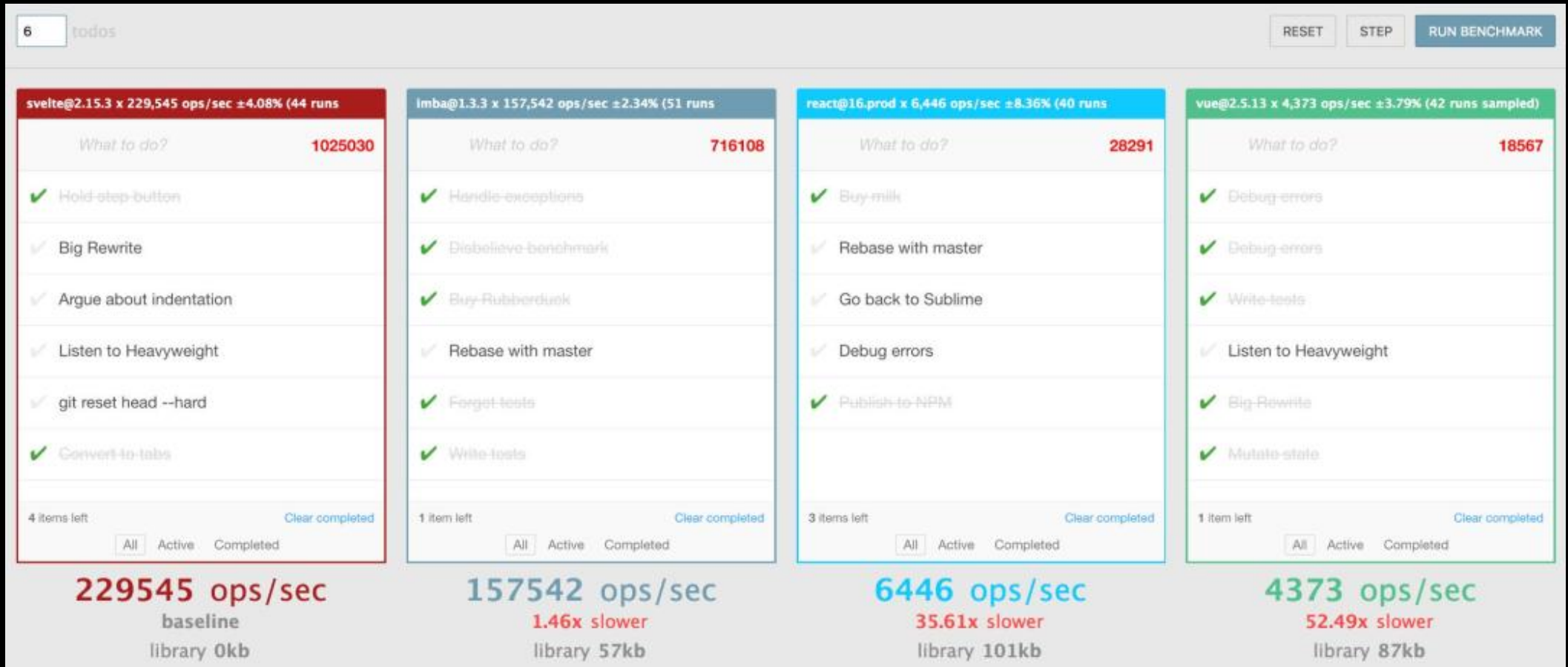
# Runtimes are big

*Svelte's Todo MVC weighs 3.6kb zipped.  
For comparison, React plus ReactDOM  
without any app code weighs about 45kb  
zipped*

# Runtimes provide unnecessary code

- Difficult to tree-shake all of React
- Better to remove dead code or just don't generate it?

# Runtimes are slow





# Runtimes lock you in

No runtime means code can be re-used in any framework, or  
no framework.

Re-using Vue in React or vice-versa requires jumping through  
hoops. Don't even think about Angular.

# How do you write Svelte?

Component file syntax familiar to Vue users

```
<!-- Greeting.html -->
<h1>Hi, {name}, I'm your component!</h1>

<script>
export let name = 'Bob';
</script>

<style>
h1 {
  color: blue;
}
</style>
```

# How do you use a Svelte component>?

```
const greet = new Greeting({  
  target: document.body,  
  props: {  
    name: 'Fred',  
  },  
});  
  
greet.set({ name: 'Jimmy' });
```