

# Stencil Component Starter

This is a starter project for building a standalone Web Component using Stencil.

Stencil is also great for building entire apps. For that, use the [stencil-app-starter](#) instead.

## Stencil

Stencil is a compiler for building fast web apps using Web Components.

Stencil combines the best concepts of the most popular frontend frameworks into a compile-time rather than run-time tool. Stencil takes TypeScript, JSX, a tiny virtual DOM layer, efficient one-way data binding, an asynchronous rendering pipeline (similar to React Fiber), and lazy-loading out of the box, and generates 100% standards-based Web Components that run in any browser supporting the Custom Elements v1 spec.

Stencil components are just Web Components, so they work in any major framework or with no framework at all.

## Getting Started

To start building a new web component using Stencil, clone this repo to a new directory:

```
git clone https://github.com/ionic-team/stencil-component-starter.git my-component
cd my-component
git remote rm origin
```

and run:

```
npm install
npm start
```

To build the component for production, run:

```
npm run build
```

To run the unit tests for the components, run:

```
npm test
```

Need help? [Check out our docs.](#)

## Naming Components

When creating new component tags, we recommend *not* using `stencil` in the component name (ex: `<stencil-datepicker>`). This is because the generated component has little to nothing to do with Stencil; it's just a web component!

Instead, use a prefix that fits your company or any name for a group of related components. For example, all of the Ionic generated web components use the prefix `ion`.

## Using this component

### Script tag

- [Publish to NPM](#)
- Put a script tag similar to this `<script src='https://unpkg.com/my-component@0.0.1/dist/mycomponent.js'></script>` in the head of your index.html
- Then you can use the element anywhere in your template, JSX, html, etc.

### Node Modules

- Run `npm install my-component`
- Put a script tag similar to this `<script src='node_modules/my-component/dist/mycomponent.js'></script>` in the head of your index.html
- Then you can use the element anywhere in your template, JSX, html, etc.

### In a stencil-starter app

- Run `npm install my-component`
- Add an import to the npm packages `import my-component;`
- Then you can use the element anywhere in your template, JSX, html, etc.