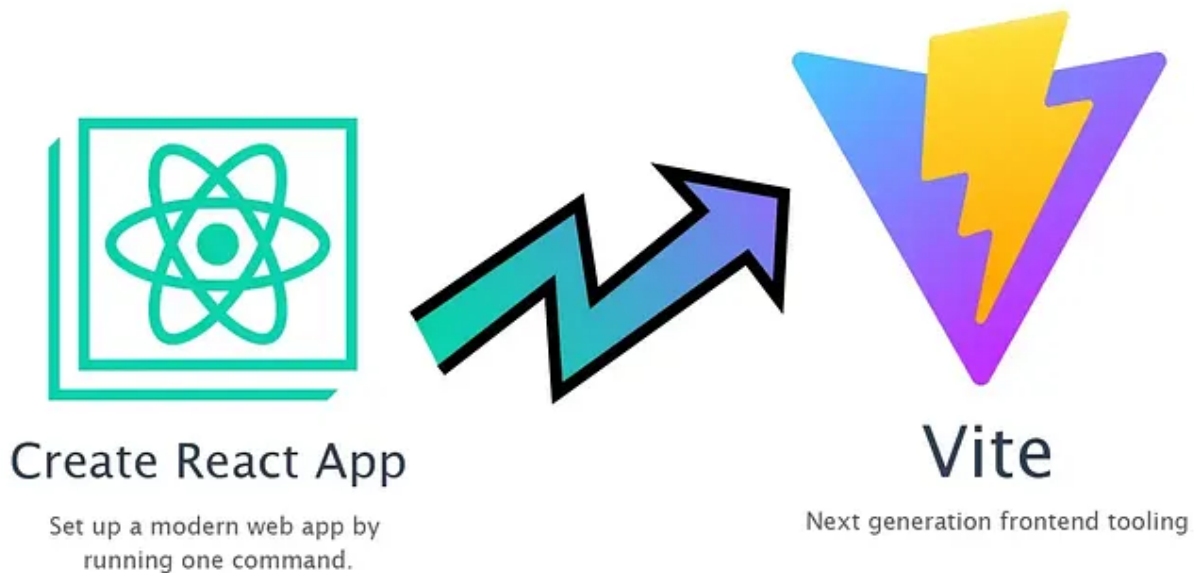


Testing apps with Vitest

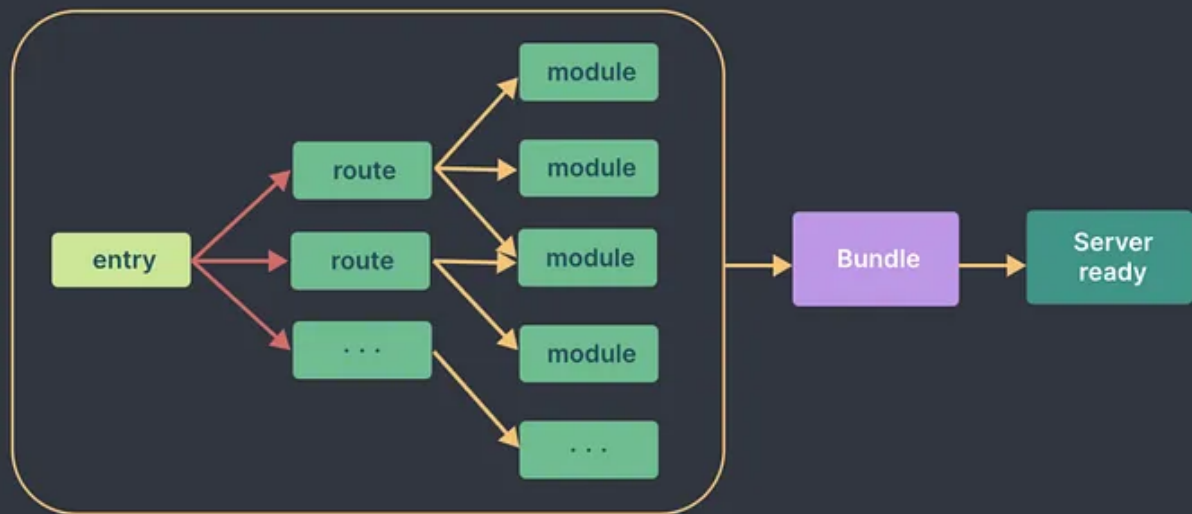


by Can Durmus

What is Vite and Vitest?

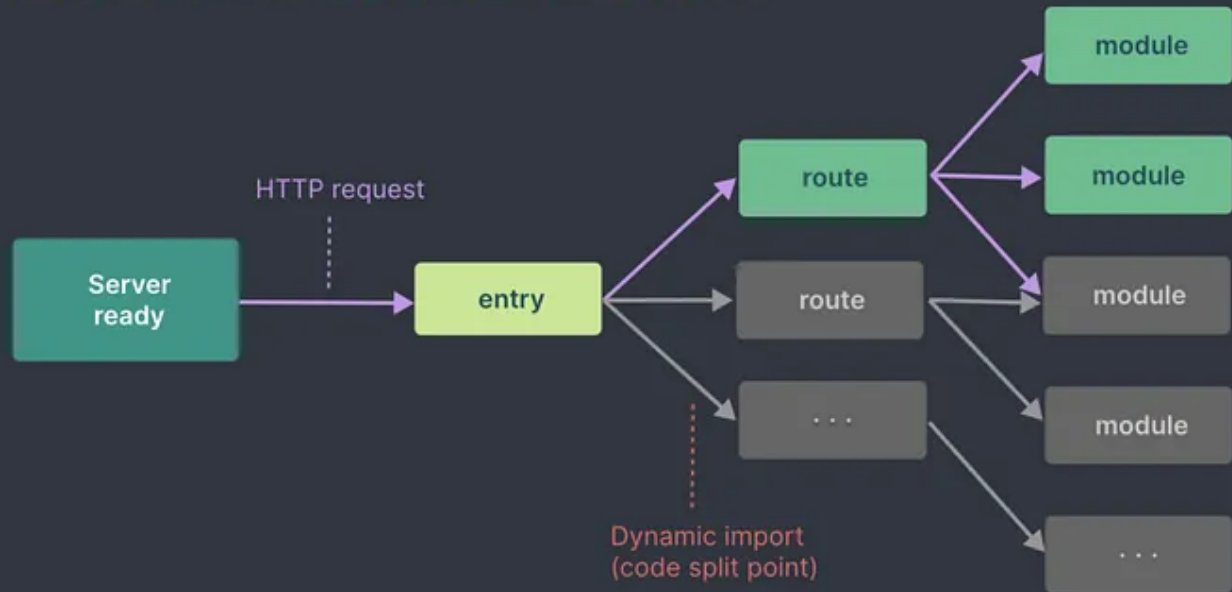
- Vite is an all in one solution to building what framework needs
 - A JavaScript bundler** like Webpack or Rollup
 - A dev server** like Browsersync
 - An asset manager** for styles, images and more
- Think about bundling differently - the HTML file is the entryptpoint
 - Crawl all resources (not just JS) and bundle holistically
 - Leave resources *unbundled* in development
 - **load straight** to the browser with the browser-native `import` syntax
 - reload just the `import` s that changed
- Vitest straps onto the Vite build tool to serve your tests
 - Use the same build process you use for your website to *mock* your website
 - Minimal config, same fast reloads as Vite
- **Vitest vs Jest - the inner workings**

Bundle based dev server



- Jest
 1. text.tsx
 2. @babel/preset-env, @babel/preset-typescript, @babel-react
 3. commonjs `require(...)`
- Vitest
 1. text.tsx
 2. native ES modules , rollup, esbuild
 3. Framework agnostic ESM `import x from y`

Native ESM based dev server

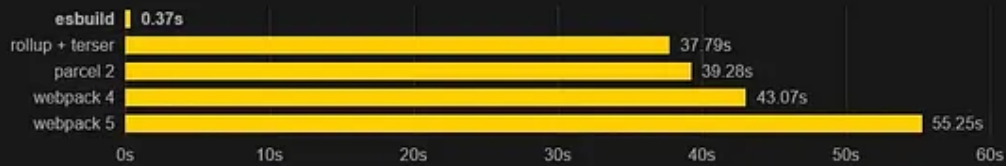


- Example

```
<Bread>
  <Tomato/>
  <Pickles/>
  <Cheese/>
  <Meat/>
</Bread>
```

esbuild

An extremely fast JavaScript bundler



Above: the time to do a production bundle of 10 copies of the [three.js](#) library from scratch using default settings, including minification and source maps. More info [here](#).

Lets test

References :

[4 Reasons Why You Should Prefer Vite Over Create-React-App \(CRA\) - Semaphore \(semaphoreci.com\)](#)

[Why You Should Prefer Vite Over Create-React-App \(CRA\) | by Muzammil Bilwani | Medium](#)