npm
gulp
webpack
what the heck?

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ulabox

“it’s tempting, if the only tool you have is a 🔨 to treat everything as if it were a nail”

command

pipeline

command

pipeline

transpiler

command

pipeline

transpiler

command

bundler

pipeline

transpiler

command

bundler

scaffolder

command

npm && bash

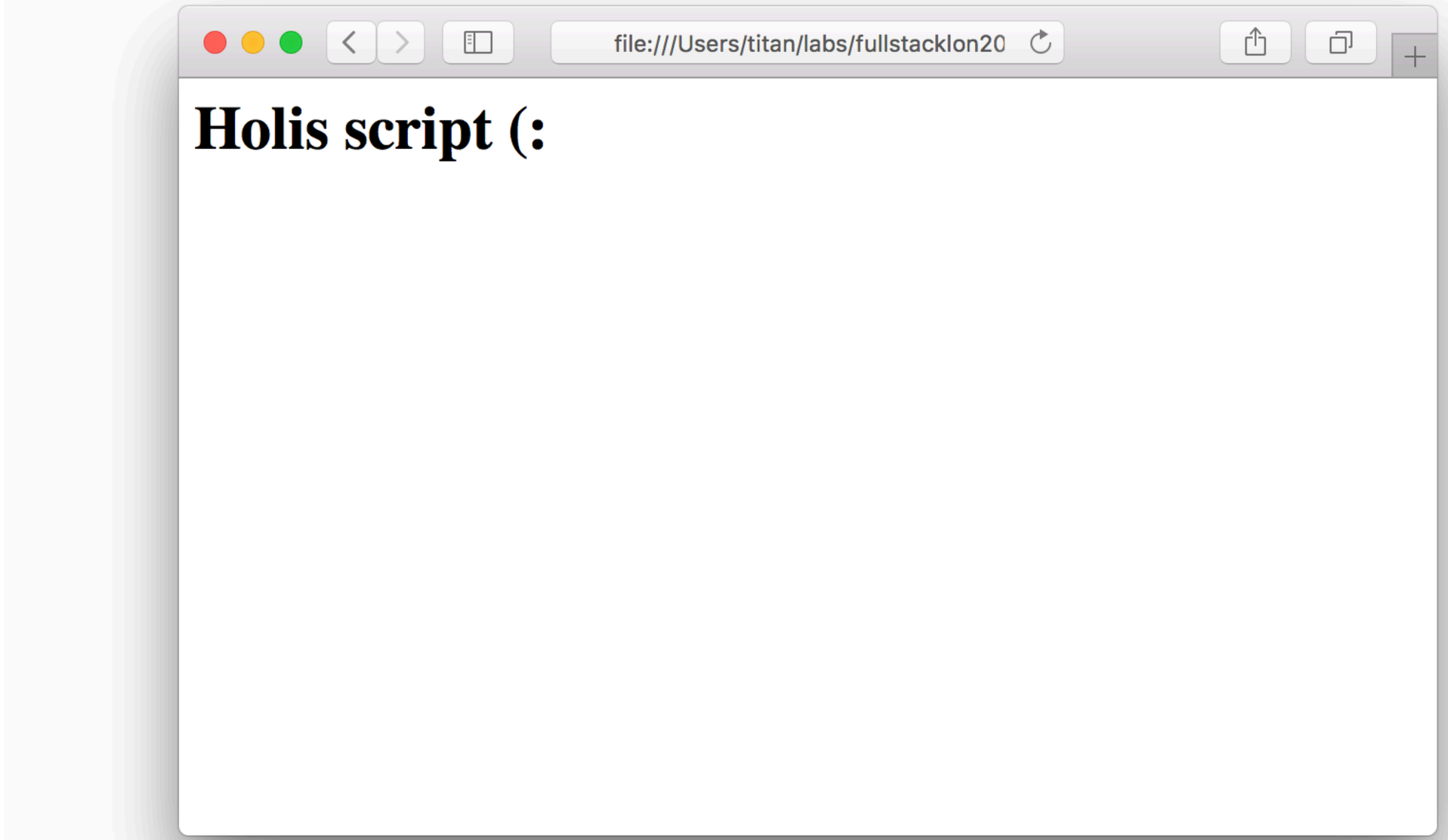
manageable tasks

```
// app.js
ReactDOM.render(
  React.createElement('h1', {
    children: 'Holis command (:'
  }),
  document.getElementById('root')
)
```

```
// index.html
<div id='root'></div>

<!-- Gotcha!  -->
<script src="https://fb.me/
react-15.0.1.js"></script>
<script src="https://fb.me/react-
dom-15.0.1.js"></script>

<script src="./app.js"></script>
```


file:///Users/titan/labs/fullstacklon20
Holis script (:

```
"scripts": {
  "start": "open index.html",
  "test": "node app.spec.js"
}
```

pipeline

gulp && grunt

commands chains

Pipelines are commands with superpowers

```
npm install gulp
```

```
const gulp = require('gulp')
const rename = require('gulp-rename')
const uglify = require('gulp-uglify')

gulp.task('default', function () {
  return gulp.src('app.js')
    .pipe(uglify())
    .pipe(rename({ extname: '.min.js' }))
    .pipe(gulp.dest('./build'))
})
```

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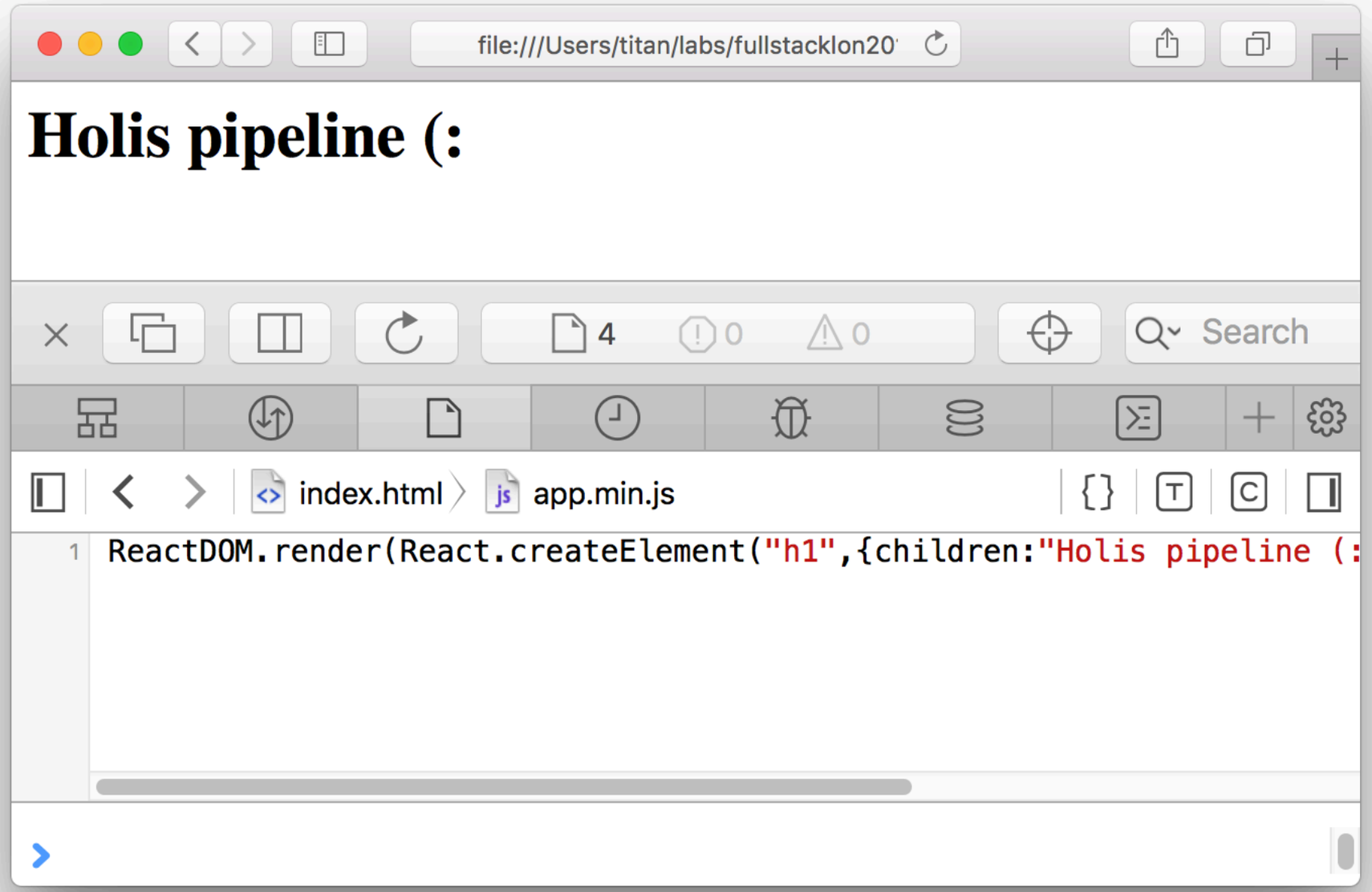
        .pipe(gulp.dest('./build'))
})
```

```
"scripts": {
   "start": "open index.html",
   "test": "node app.spec.js”,
   "build": "gulp"
}
```


file:///Users/titan/labs/fullstacklon20
Holis pipeline (:
4
0
0
Search
index.html
app.min.js
1
ReactDOM.render(React.createElement("h1",{children:"Holis pipeline (:

transpiler

babel

code transformers

```
npm install
  babel-cli
  babel-preset-react
```

```
ReactDOM.render(
    <h1>Holis transpiler (:</h1>,
    document.getElementById('root')
)
```

```
"scripts": {
    "start": "open index.html",
    "test": "node app.spec.js",
    "prebuild": "mkdirp build",
    "build": "babel app.js
      -o build/app.js
      —presets=react",
   "postbuild": “uglifyjs
     build/app.js -o build/app.js"
}
```

```
"scripts": {
    "start": "open index.html",
    "test": "node app.spec.js",
    "prebuild": "mkdirp build",
    "build": "babel app.js
      -o build/app.js
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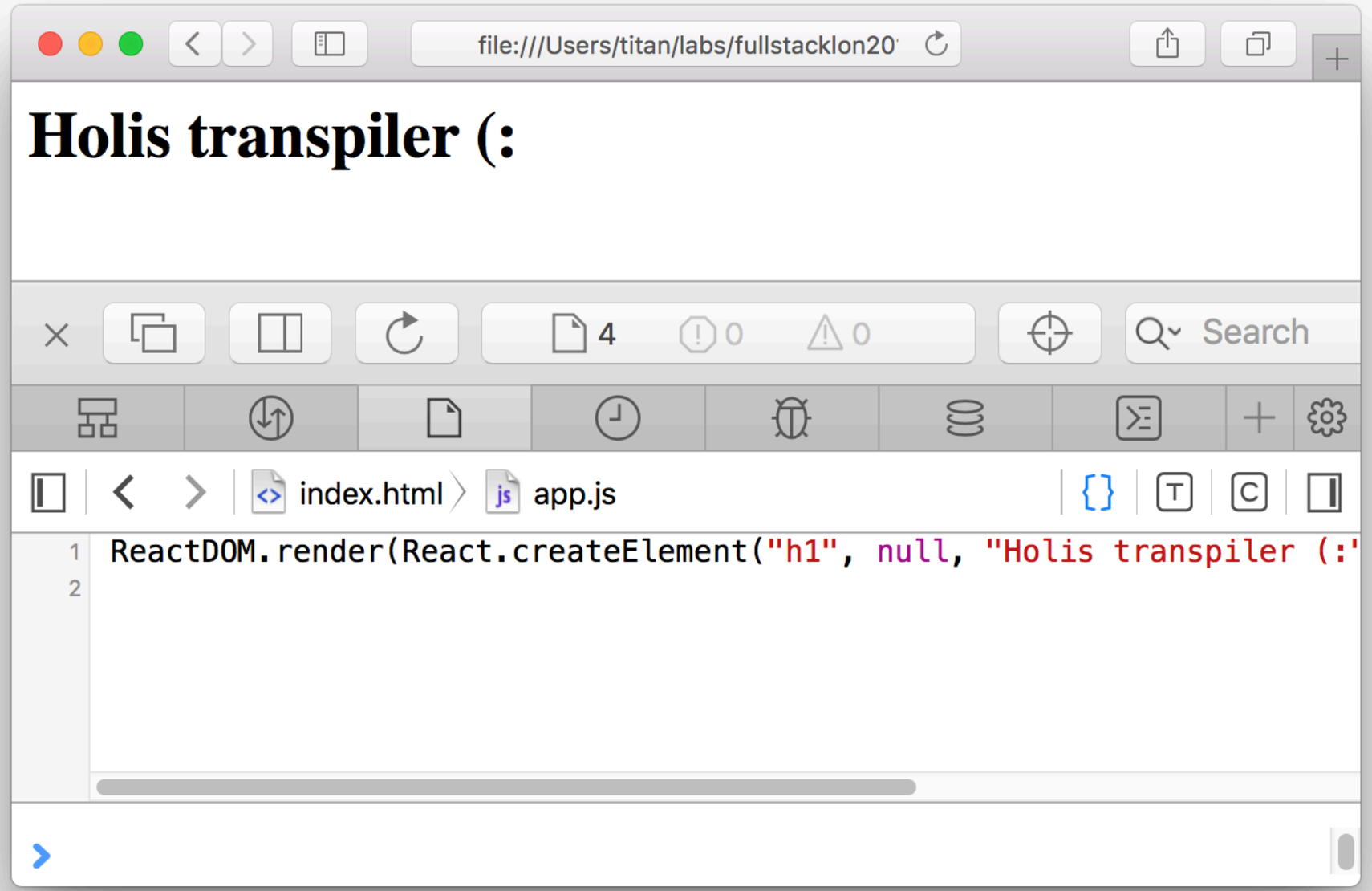
    "build": "babel app.js
      -o build/app.js
      –presets=react",
  "postbuild": “uglifyjs
    build/app.js -o build/app.js"
}
```


file:///Users/titan/labs/fullstacklon20
Holis transpiler (:
4
0
0
Search
index.html
app.js
1 ReactDOM.render(React.createElement("h1", null, "Holis transpiler (:'
2

So far and we don't even need Webpack

bundler

webpack && rollup
&& fuse-box

module compilers

```
npm install webpack
```

```
const React = require('react')
const ReactDOM = require('react-dom')

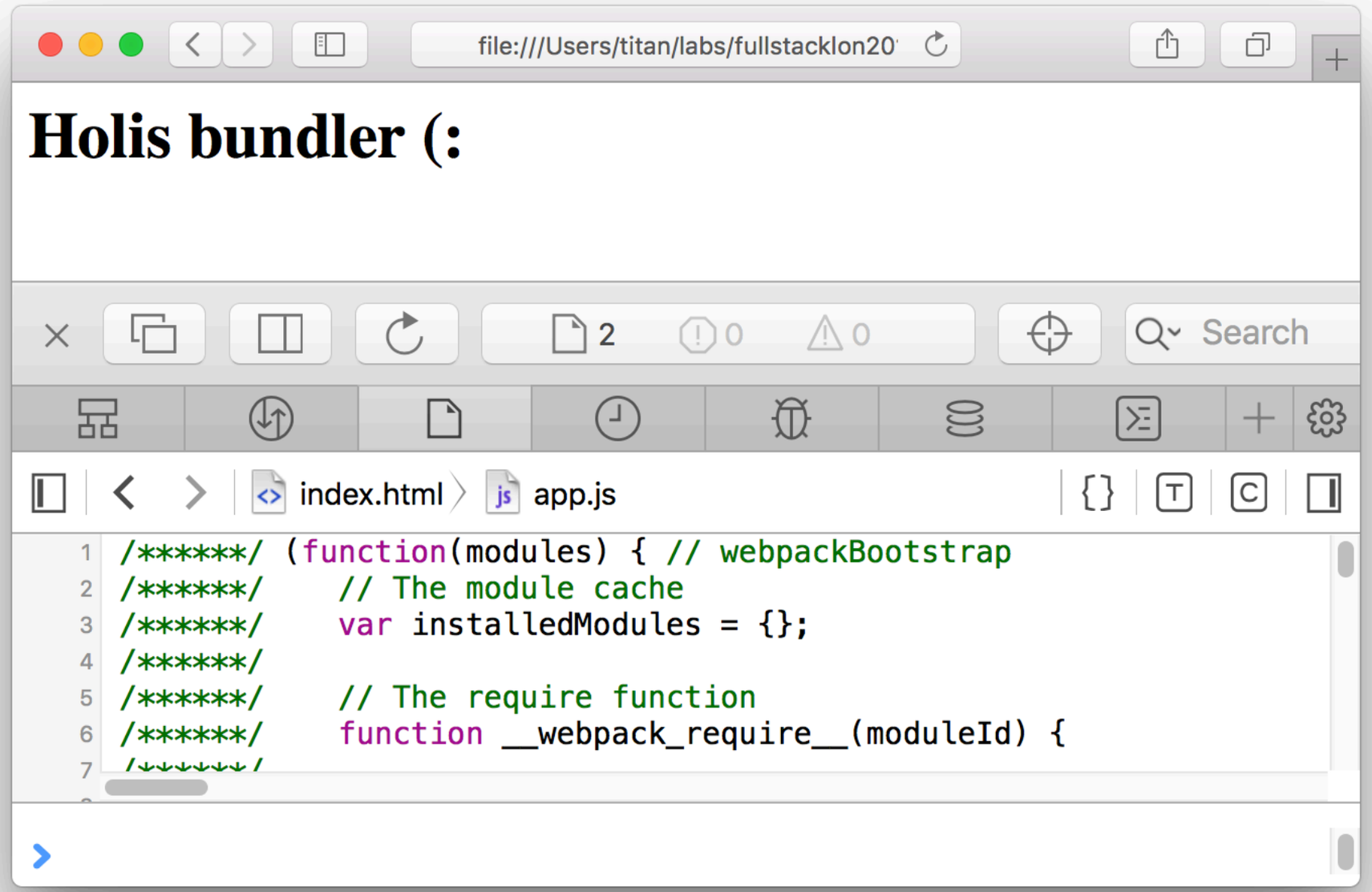
ReactDOM.render(
  React.createElement('h1', {
    children: 'Holis bundler (:'
  }),
  document.getElementById('root')
)
```

```
<div id='root'></div>
```

```
<script src="./build/app.js"></script>
```

```
"scripts": {
    "start": "open index.html",
    "test": "node app.spec.js",
    "build": "webpack app.js build/app.js"
},
```

```
"scripts": {
    "start": "open index.html",
    "test": "node app.spec.js",
    "build": "webpack app.js build/app.js"
},
```


file:///Users/titan/labs/fullstacklon20
Holis bundler (:
2
0
0
Search
index.html
app.js
/****** (function(modules) { // webpackBootstrap
/******/ // The module cache
/******/ var installedModules = {};
/******/
/******/ // The require function
/******/ function __webpack_require__(moduleId) {

front

front | back

front | back | library

rollup

```
"scripts": {
    "start": "open index.html",
    "test": "node app.spec.js",
    "build": "rollup app.js
        --format iife
        --output build/app.js"
},
```

Favour Webpack for products and consider Rollup for libraries

scaffolder

brunch && yeoman
&& create-react-app

boilerplate generators

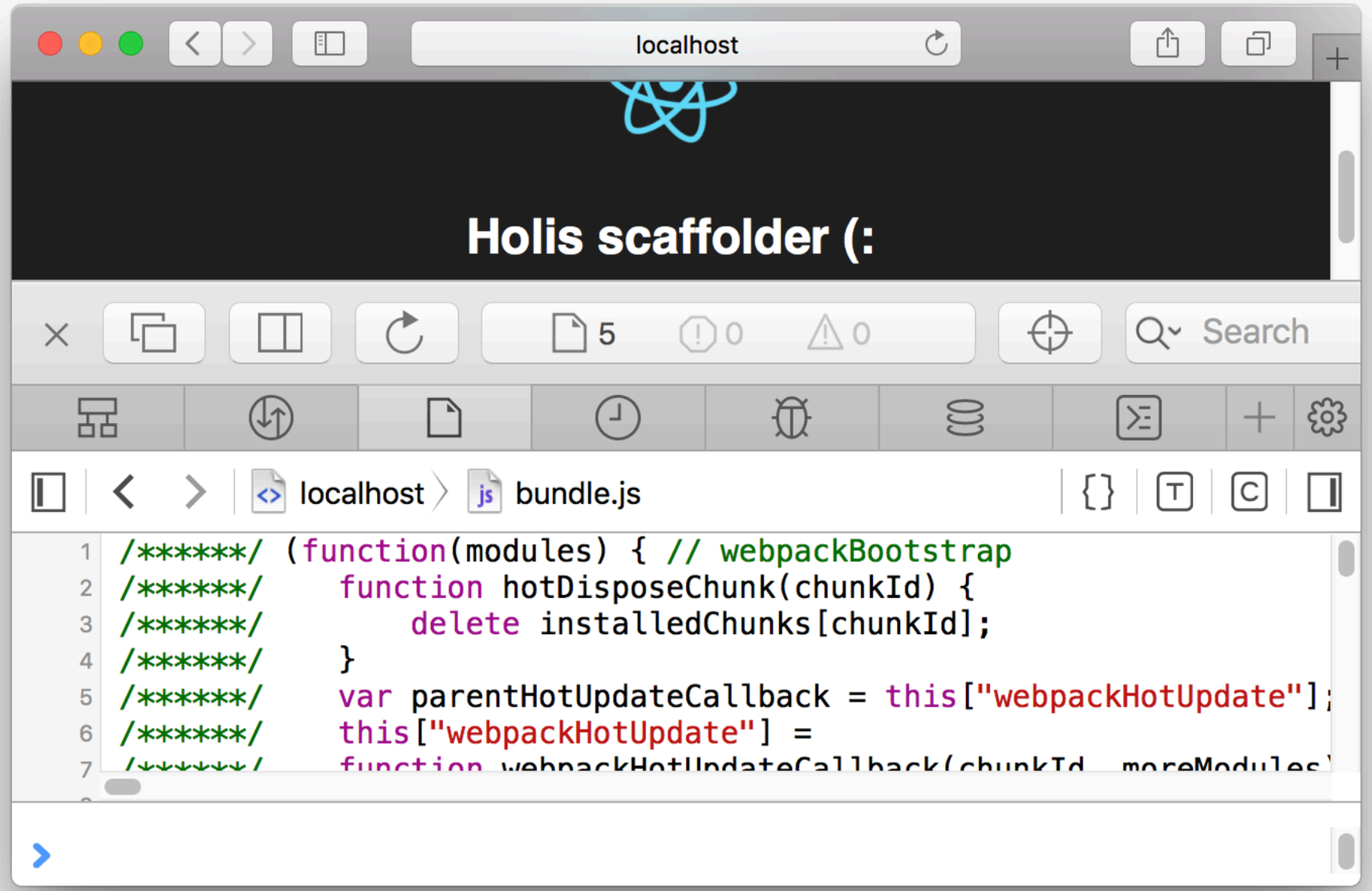
```
npm i -g create-react-app
create-react-app project-name
```

```
npm i -g create-react-app
create-react-app project-name
```

```
npm i -g brunch

brunch new project-name -s es6
```

```
npm i -g yo generator-webapp
yo webapp
```


localhost
Holis scaffolder (:
5
0
0
Search
localhost
bundle.js
/****** (function(modules) { // webpackBootstrap
/******/ function hotDisposeChunk(chunkId) {
/******/ delete installedChunks[chunkId];
/******/ }
/******/ var parentHotUpdateCallback = this["webpackHotUpdate"];
/******/ this["webpackHotUpdate"] =

```
npm install --global lerna
lerna init
```

Thank you

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