2017年10月 技术分享会

2017年10月11月27日

Agenda

- 《利用npm+gulp构建Bootstrap4 前台项目》

  -- Xiaojun Pan

- 《Vue.js帮你拿到40万年薪不是梦》

  -- Lingjia Gong & Weizhong Han

- 《ASP.NET MVC5的那些事》

  -- Vivian Tang & Nancy Zhuang

利用npm+gulp构建 Bootstrap4 前台项目

XIAOJUN PAN

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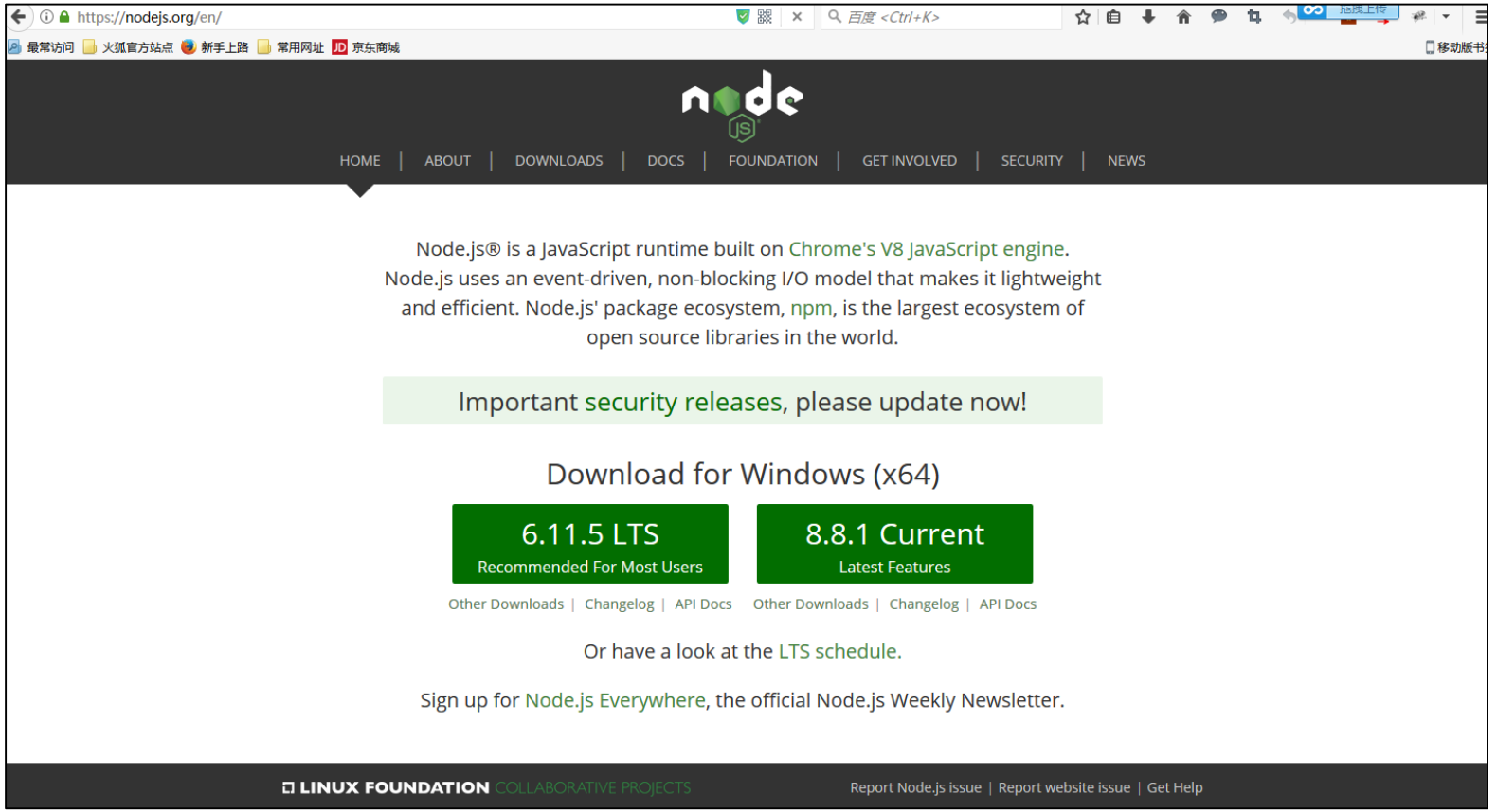
工具篇

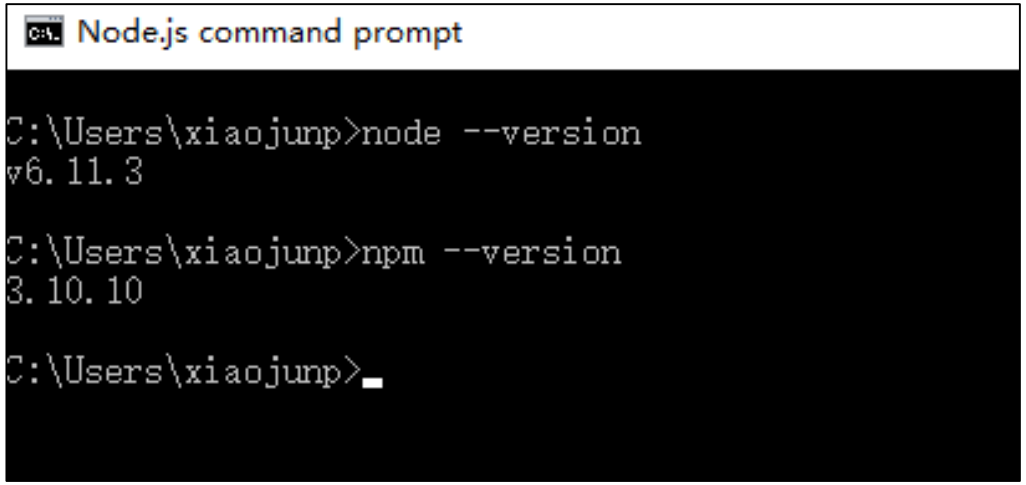
- Node.js


https://nodejs.org/en/
HOME | ABOUT | DOWNLOADS | DOCS | FOUNDATION | GET INVOLVED | SECURITY | NEWS
Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine.
Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient. Node.js' package ecosystem, npm, is the largest ecosystem of open source libraries in the world.
Important security releases, please update now!
Download for Windows (x64)
6.11.5 LTS
Recommended For Most Users
8.8.1 Current
Latest Features
Other Downloads | Changelog | API Docs
Other Downloads | Changelog | API Docs
Or have a look at the LTS schedule.
Sign up for Node.js Everywhere, the official Node.js Weekly Newsletter.
LINUX FOUNDATION COLLABORATIVE PROJECTS
Report Node.js issue | Report website issue | Get Help

npm config set registry http://registry.npm.taobao.org/

工具篇

- npm



将 Npm 的源替换成淘宝的源

在墙内久了，难免会碰到撞墙的时候，所幸国内也有众多 NPM 镜像可供选择，在大多数情况下我们可以使用国内的源（比如 淘宝 NPM 镜像）去替换官方的源以加快下载包的速度。

不过呢，我们在发布自己的包的时候却需要将源修改回官方的 https://registry.npmjs.org/ 源。

修改源地址为淘宝 NPM 镜像

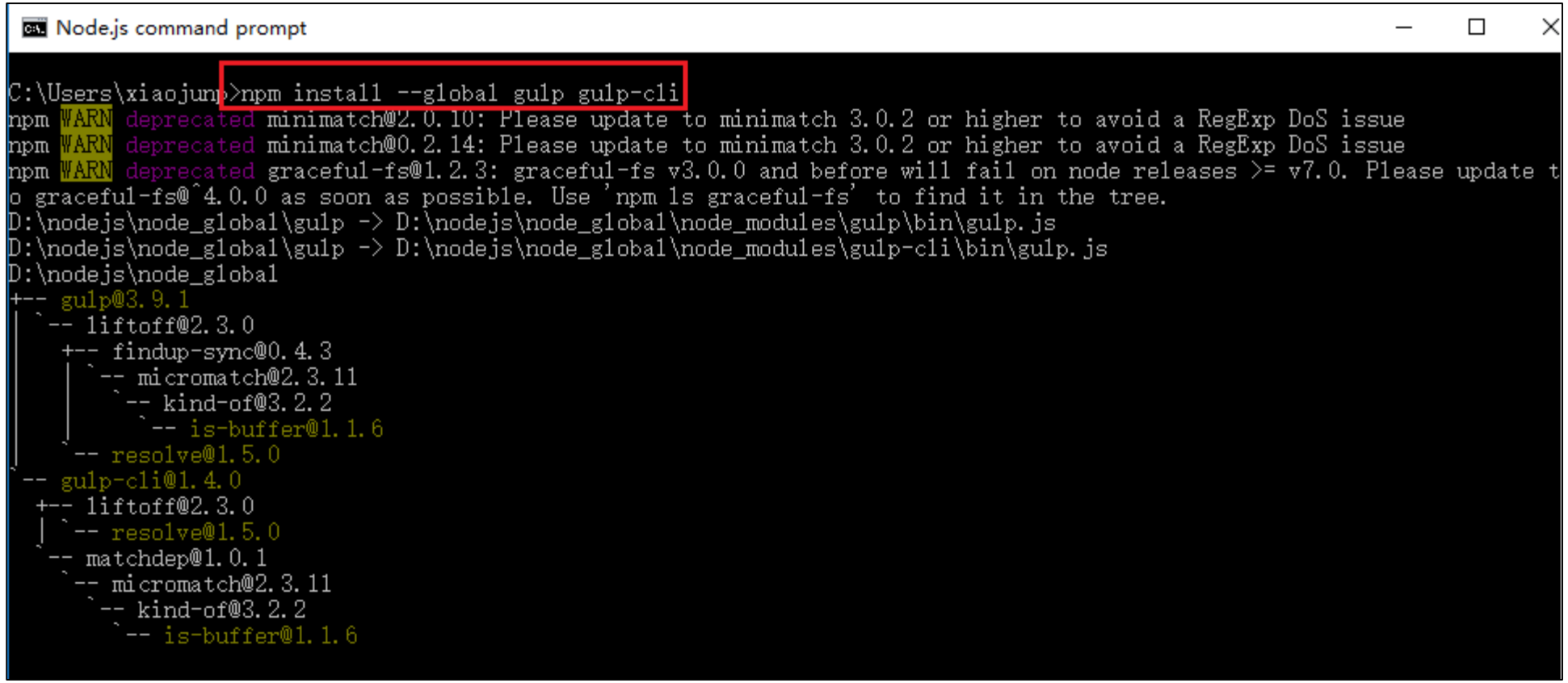
```
npm config set registry http://registry.npm.taobao.org/
```

修改源地址为官方源

```
npm config set registry https://registry.npmjs.org/
```

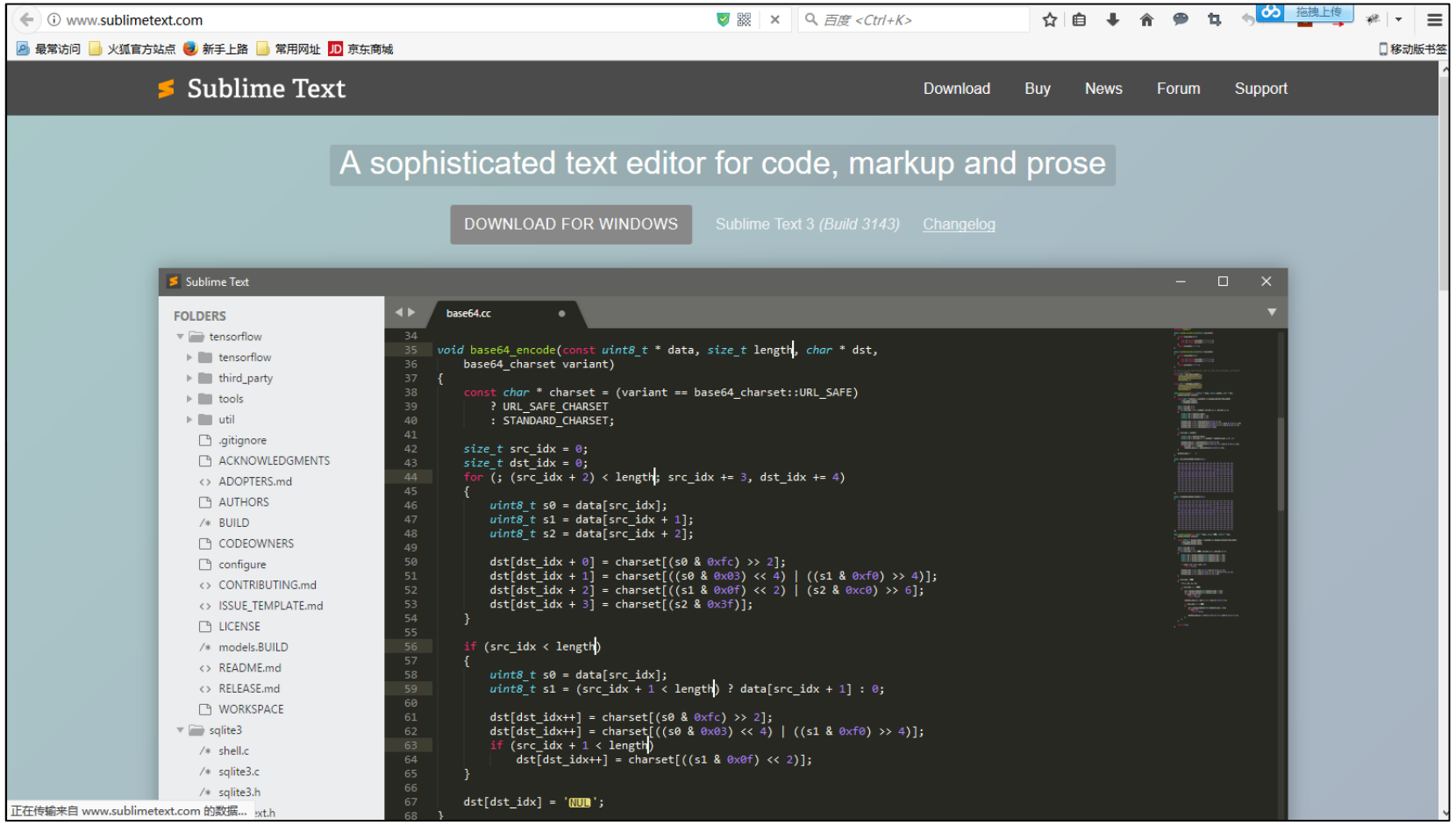
工具篇

- gulp


Node.js command prompt
C:\Users\xiaojun>npm install --global gulp gulp-cli
npm WARN deprecated minimatch@2.0.10: Please update to minimatch 3.0.2 or higher to avoid a RegExp DoS issue
npm WARN deprecated minimatch@0.2.14: Please update to minimatch 3.0.2 or higher to avoid a RegExp DoS issue
npm WARN deprecated graceful-fs@1.2.3: graceful-fs v3.0.0 and before will fail on node releases >= v7.0. Please update t
o graceful-fs@^4.0.0 as soon as possible. Use 'npm ls graceful-fs' to find it in the tree.
D:\nodejs\node_global\gulp -> D:\nodejs\node_global\node_modules\gulp\bin\gulp.js
D:\nodejs\node_global\gulp -> D:\nodejs\node_global\node_modules\gulp-cli\bin\gulp.js
D:\nodejs\node_global
+-- gulp@3.9.1
| `-- liftoff@2.3.0
| +-- findup-sync@0.4.3
| | `-- micromatch@2.3.11
| | `-- kind-of@3.2.2
| | `-- is-buffer@1.1.6
| `-- resolve@1.5.0
`-- gulp-cli@1.4.0
  +-- liftoff@2.3.0
  | `-- resolve@1.5.0
  `-- matchdep@1.0.1
    `-- micromatch@2.3.11
      `-- kind-of@3.2.2
        `-- is-buffer@1.1.6

工具篇

- Sumlime Text 3



创建项目

- npm init

选择Node.js command prompt

```
D:\pxj\Web\bootstrap4\test>npm init
This utility will walk you through creating a package.json file.
It only covers the most common items, and tries to guess sensible defaults.

See `npm help json` for definitive documentation on these fields
and exactly what they do.

Use `npm install <pkg> --save` afterwards to install a package and
save it as a dependency in the package.json file.

Press ^C at any time to quit.
name: (test)
version: (1.0.0)
description:
entry point: (index.js)
test command:
git repository:
keywords:
author: xiaojun pan
license: (ISC) MIT
About to write to D:\pxj\Web\bootstrap4\test\package.json:

{
  "name": "test",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "xiaojun pan",
  "license": "MIT"
}


Is this ok? (yes) yes
```

package.json

```
{
  "name": "test",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "xiaojun pan",
  "license": "MIT"
}
```

创建项目

- npm install bootstrap

Package managers

Pull in Bootstrap's **source files** into nearly any project with some of the most popular package managers. No matter the package manager, Bootstrap will **require a Sass compiler, Autoprefixer, and postcss-flexbugs-fixes** for a setup that matches our official compiled versions.

npm

Install Bootstrap in your Node powered apps with the npm package:

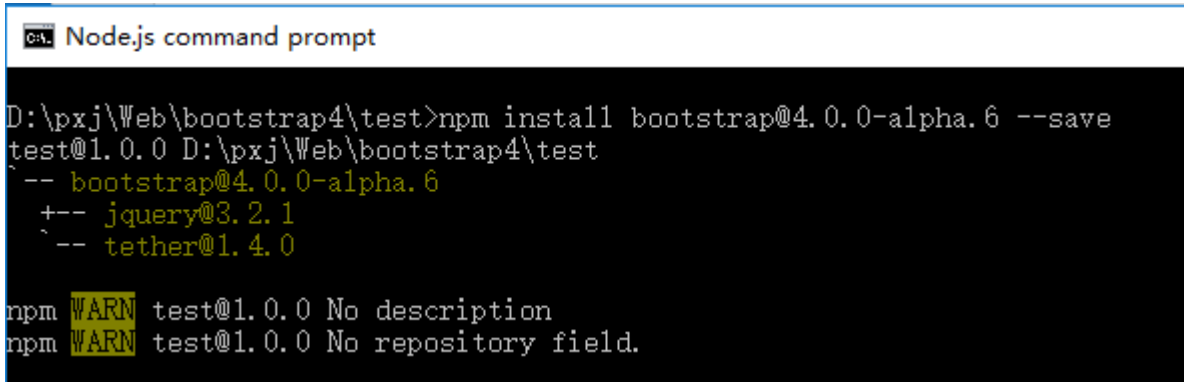
```
$ npm install bootstrap@4.0.0-alpha.6
```

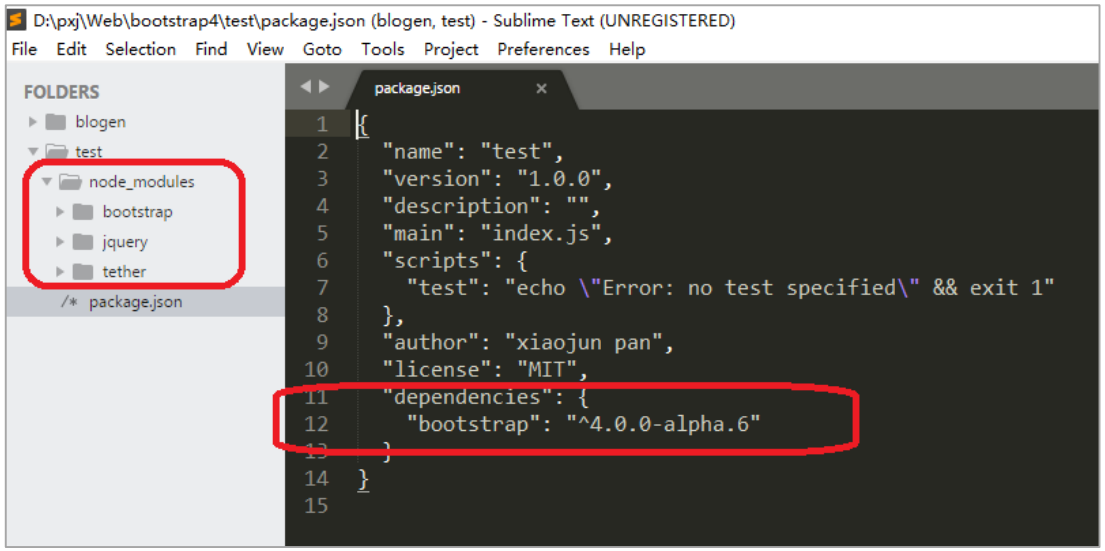
Copy

`require('bootstrap')` will load all of Bootstrap's jQuery plugins onto the jQuery object. The `bootstrap` module itself does not export anything. You can manually load Bootstrap's jQuery plugins individually by loading the `/js/*.js` files under the package's top-level directory.

Bootstrap's `package.json` contains some additional metadata under the following keys:

- `sass` - path to Bootstrap's main Sass source file
- `style` - path to Bootstrap's non-minified CSS that's been precompiled using the default settings (no customization)





创建项目

- npm install jquery font-awesome

Node.js command prompt

```
D:\pxj\Web\bootstrap4\test>npm install jquery font-awesome --save
test@1.0.0 D:\pxj\Web\bootstrap4\test
+-- font-awesome@4.7.0
`-- jquery@3.2.1

npm WARN test@1.0.0 No description
npm WARN test@1.0.0 No repository field.
```

D:\pxj\Web\bootstrap4\test\package.json (blogen, test) - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

FOLDERS

- blogen
- test
  - node_modules
    - bootstrap
    - font-awesome
    - jquery
    - tether
  - package.json

package.json

```
{
  "name": "test",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "xiaojun pan",
  "license": "MIT",
  "dependencies": {
    "bootstrap": "^4.0.0-alpha.6",
    "font-awesome": "^4.7.0",
    "jquery": "^3.2.1"
  }
}
```

创建项目

- npm install jquery font-awesome

D:\pxj\Web\bootstrap4\test\package.json (blogen, test) - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

FOLDERS

- blogen
- test
  - node_modules
    - .bin
    - abbrev
    - accepts
    - after
    - ajv
    - amdefine
    - ansi-regex
    - ansi-styles
    - anymatch
    - aproba
    - archy
    - are-we-there-yet
    - arr-diff
    - arr-flatten
    - array-differ
    - array-each
    - array-find-index
    - array-slice
    - array-unig

package.json

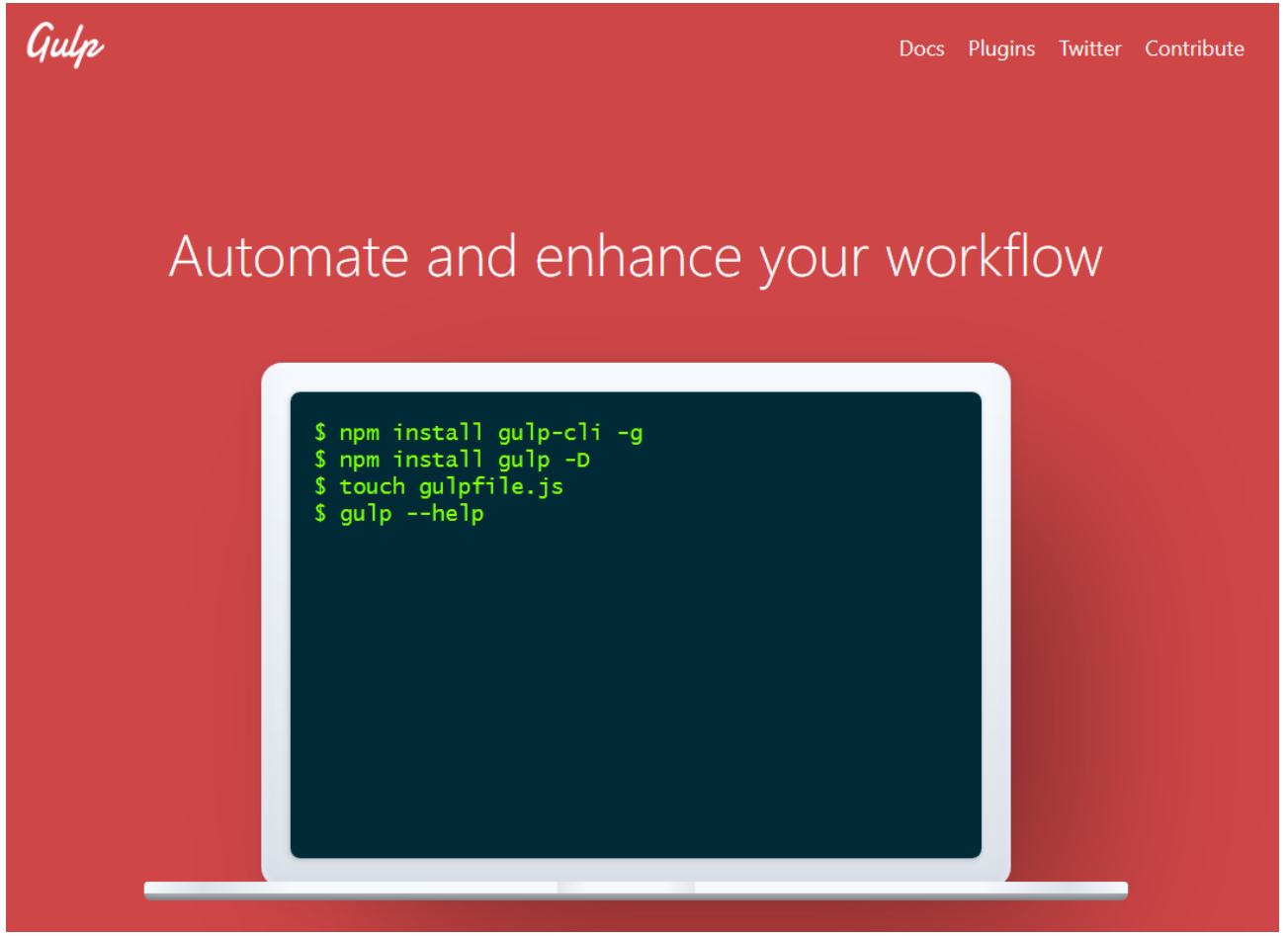
```
{
  "name": "test",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "xiaojun pan",
  "license": "MIT",
  "dependencies": {
    "bootstrap": "4.0.0-alpha.6",
    "font-awesome": "^4.7.0",
    "jquery": "^3.2.1"
  },
  "devDependencies": {
    "browser-sync": "^2.18.13",
    "gulp": "^3.9.1",
    "gulp-sass": "^3.1.0"
  }
}
```

Node.js command prompt

```
D:\pxj\Web\bootstrap4\test>npm install browser-sync gulp gulp-sass --save-dev
npm WARN deprecated express@2.5.11: express 2.x series is deprecated
npm WARN deprecated connect@1.9.2: connect 1.x series is deprecated
npm WARN deprecated minimatch@2.0.10: Please update to minimatch 3.0.2 or higher to avoid a RegExp DoS issue
npm WARN deprecated minimatch@0.2.14: Please update to minimatch 3.0.2 or higher to avoid a RegExp DoS issue
npm WARN deprecated graceful-fs@1.2.3: graceful-fs v3.0.0 and before will fail on node releases >= v7.0. Please update t
o graceful-fs@^4.0.0 as soon as possible. Use 'npm ls graceful-fs' to find it in the tree.
npm WARN prefer global node-gyp@3.6.2 should be installed with -g

> node-sass@4.5.3 install D:\pxj\Web\bootstrap4\test\node_modules\node-sass
> node scripts/install.js

Cached binary found at D:\nodejs\node_cache\node-sass\4.5.3\win32-x64-48_binding.node

> node-sass@4.5.3 postinstall D:\pxj\Web\bootstrap4\test\node_modules\node-sass
> node scripts/build.js

Binary found at D:\pxj\Web\bootstrap4\test\node_modules\node-sass\vendor\win32-x64-48\binding.node
Testing binary
Binary is fine
test@1.0.0 D:\pxj\Web\bootstrap4\test
+-- browser-sync@2.18.13
| +-- browser-sync-client@2.5.1
| | +-- etag@1.8.1
| | `-- fresh@0.3.0
| +-- browser-sync-ui@0.6.3
| | +-- async-each-series@0.1.1
| | +-- connect-history-api-fallback@1.4.0
| | +-- stream-throttle@0.1.3
| | | +-- commander@2.11.0
| | | `-- limiter@1.1.2
| | `-- weinre@2.0.0-pre-I0Z7U9OV
| |   +-- express@2.5.11
| |   | +-- connect@1.9.2
| |   | | `-- formidable@1.0.17
| |   | +-- mime@1.2.4
| |   | +-- mkdirp@0.3.0
| |   | `-- qs@0.4.2
| |   +-- nopt@3.0.6
| |   | `-- abbrev@1.1.1
| |   `-- underscore@1.7.0
| +-- bs-recipes@1.3.4
```

创建项目

- gulp


Gulp
Docs Plugins Twitter Contribute
Automate and enhance your workflow
$ npm install gulp-cli -g
$ npm install gulp -D
$ touch gulpfile.js
$ gulp --help

创建项目

- gulp

```
const gulp = require('gulp');
const browserSync = require('browser-sync').create();
const sass = require('gulp-sass');
```

```
// Compile Sass & Inject Into browser
gulp.task('sass',function(){
  return gulp.src(['node_modules/bootstrap/scss/bootstrap.scss', 'src/scss/*.scss'])
    .pipe(sass())
    .pipe(gulp.dest("src/css"))
    .pipe(browserSync.stream());
});

// Move JS Files to src/js
gulp.task('js',function(){
  return  gulp.src(['node_modules/bootstrap/dist/js/bootstrap.min.js','node_modules/jquery/dist/jquery.min.js','node_modules/po
    .pipe(gulp.dest("src/js"))
    .pipe(browserSync.stream());
});
```

创建项目

- gulp

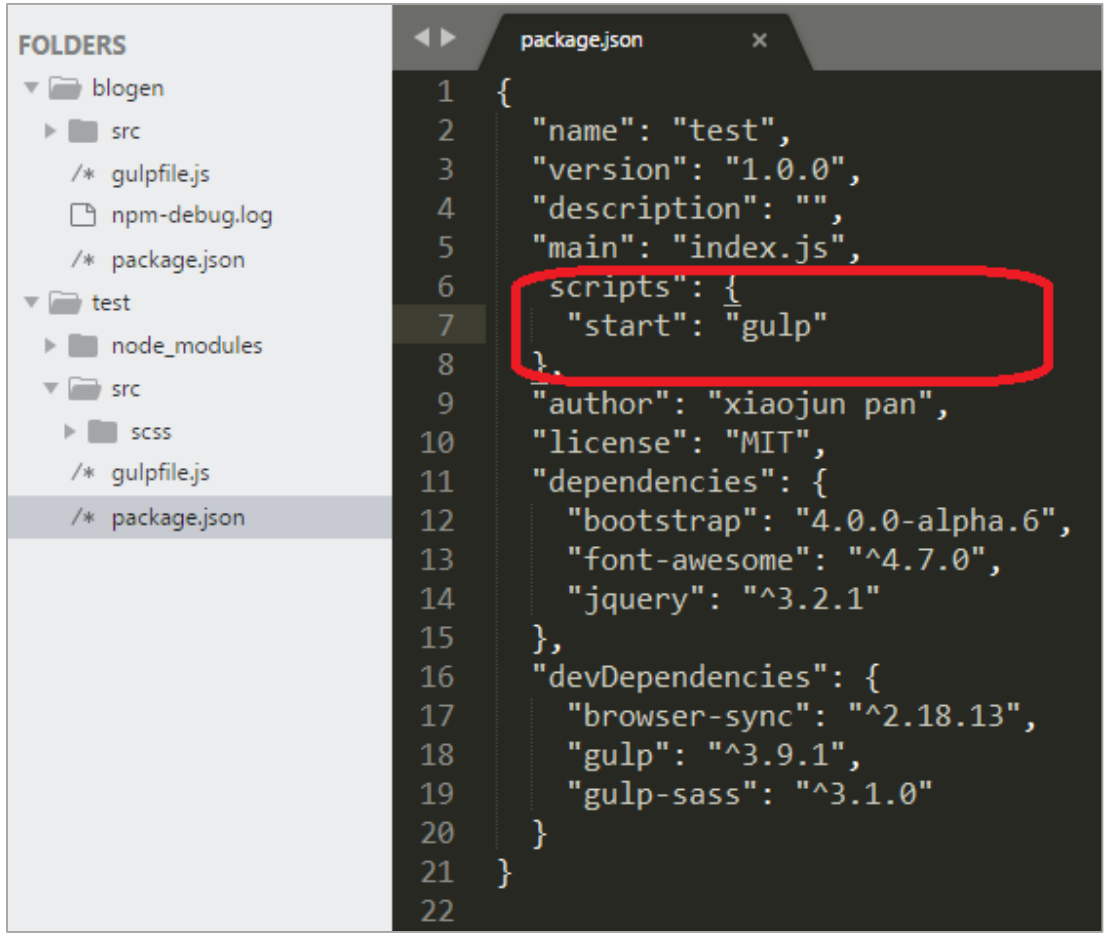
```
32  // Move Fonts Folder to src/fonts
33  gulp.task('fonts', function(){
34    return gulp.src('node_modules/font-awesome/fonts/*')
35      .pipe(gulp.dest("src/fonts"));
36  });
37
38  // Move Fonts Awesome CSS to src/css
39  gulp.task('fa', function(){
40    return gulp.src('node_modules/font-awesome/css/font-awesome.min.css')
41      .pipe(gulp.dest("src/css"));
42  });
```

```
23  // Watch Sass & Server
24  gulp.task('server', ['sass'], function(){
25    browserSync.init({
26      server: "./src"
27    });
28    gulp.watch(['node_modules/bootstrap/scss/bootstrap.scss', 'src/scss/*.scss'],['sass']);
29    gulp.watch("src/*.html").on('change',browserSync.reload);
30  });
```

```
52  gulp.task('default', ['js', 'server', 'fa', 'fonts', 'ckeditor']);
53
```

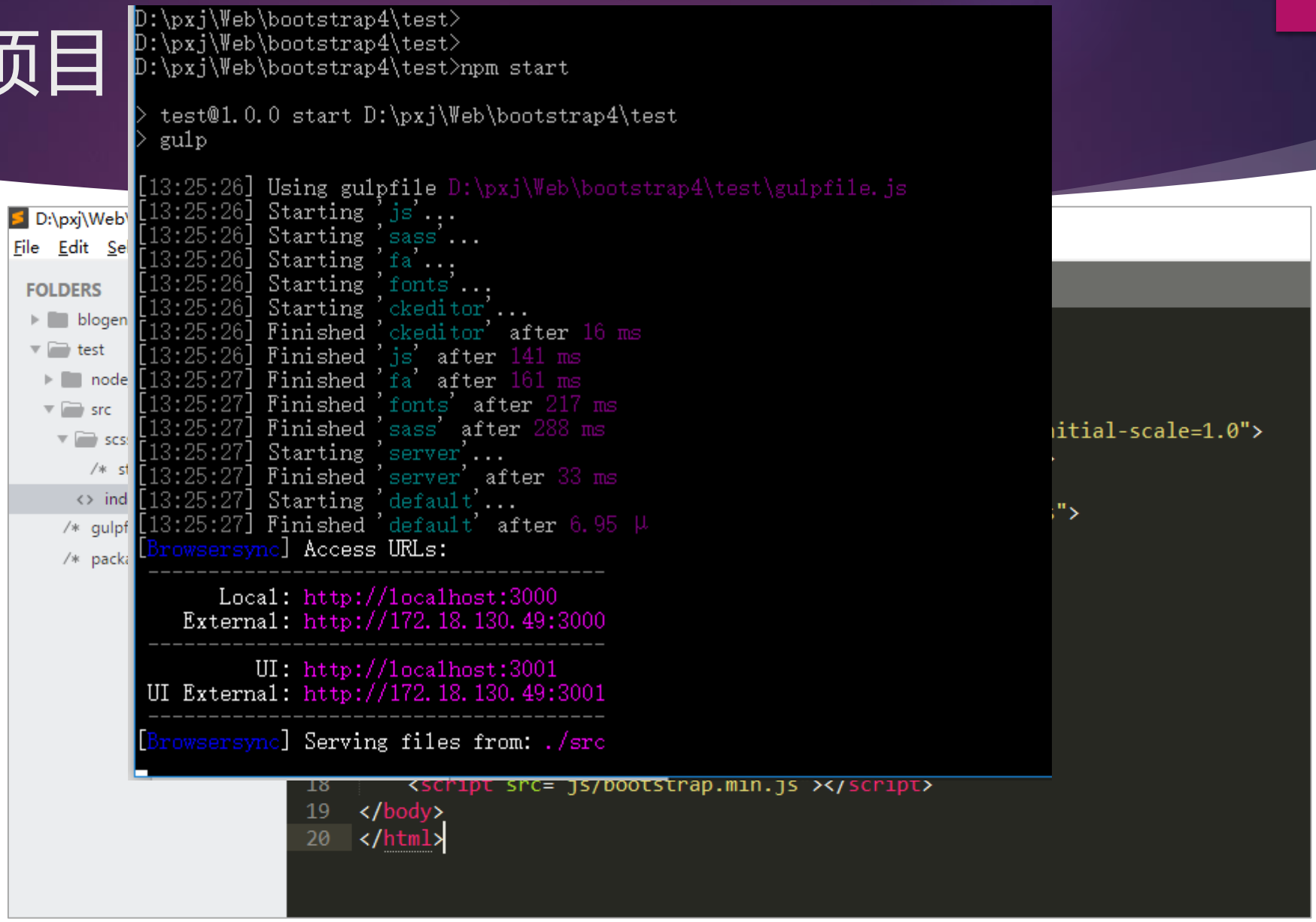
创建项目

- gulp


FOLDERS
blogen
src
gulpfile.js
npm-debug.log
package.json
test
node_modules
src
scss
gulpfile.js
package.json
package.json
{
"name": "test",
"version": "1.0.0",
"description": "",
"main": "index.js",
"scripts": {
"start": "gulp"
},
"author": "xiaojun pan",
"license": "MIT",
"dependencies": {
"bootstrap": "4.0.0-alpha.6",
"font-awesome": "^4.7.0",
"jquery": "^3.2.1"
},
"devDependencies": {
"browser-sync": "^2.18.13",
"gulp": "^3.9.1",
"gulp-sass": "^3.1.0"
}
}

创建项目

- HTML


D:\pxj\Web\bootstrap4\test>
D:\pxj\Web\bootstrap4\test>
D:\pxj\Web\bootstrap4\test>npm start
> test@1.0.0 start D:\pxj\Web\bootstrap4\test
> gulp
[13:25:26] Using gulpfile D:\pxj\Web\bootstrap4\test\gulpfile.js
[13:25:26] Starting 'js'...
[13:25:26] Starting 'sass'...
[13:25:26] Starting 'fa'...
[13:25:26] Starting 'fonts'...
[13:25:26] Starting 'ckeditor'...
[13:25:26] Finished 'ckeditor' after 16 ms
[13:25:26] Finished 'js' after 141 ms
[13:25:27] Finished 'fa' after 161 ms
[13:25:27] Finished 'fonts' after 217 ms
[13:25:27] Finished 'sass' after 288 ms
[13:25:27] Starting 'server'...
[13:25:27] Finished 'server' after 33 ms
[13:25:27] Starting 'default'...
[13:25:27] Finished 'default' after 6.95 µs
[Browsersync] Access URLs:
Local: http://localhost:3000
External: http://172.18.130.49:3000
UI: http://localhost:3001
UI External: http://172.18.130.49:3001
[Browsersync] Serving files from: ./src
FOLDERS
blogen
test
node
src
File Edit
<script src= js/bootstrap.min.js ></script>
</body>
</html>

创建项目

- npm start

```
D:\pxj\Web\bootstrap4\test>
D:\pxj\Web\bootstrap4\test>
D:\pxj\Web\bootstrap4\test>npm start

> test@1.0.0 start D:\pxj\Web\bootstrap4\test
> gulp

[13:25:26] Using gulpfile D:\pxj\Web\bootstrap4\test\gulpfile.js
[13:25:26] Starting 'js'...
[13:25:26] Starting 'sass'...
[13:25:26] Starting 'fa'...
[13:25:26] Starting 'fonts'...
[13:25:26] Starting 'ckeditor'...
[13:25:26] Finished 'ckeditor' after 16 ms
[13:25:26] Finished 'js' after 141 ms
[13:25:27] Finished 'fa' after 161 ms
[13:25:27] Finished 'fonts' after 217 ms
[13:25:27] Finished 'sass' after 288 ms
[13:25:27] Starting 'server'...
[13:25:27] Finished 'server' after 33 ms
[13:25:27] Starting 'default'...
[13:25:27] Finished 'default' after 6.95 µs
[Browsersync] Access URLs:
 --------------------------------------
       Local: http://localhost:3000
    External: http://172.18.130.49:3000
 --------------------------------------
          UI: http://localhost:3001
 UI External: http://172.18.130.49:3001
 --------------------------------------
[Browsersync] Serving files from: ./src
```

创建项目

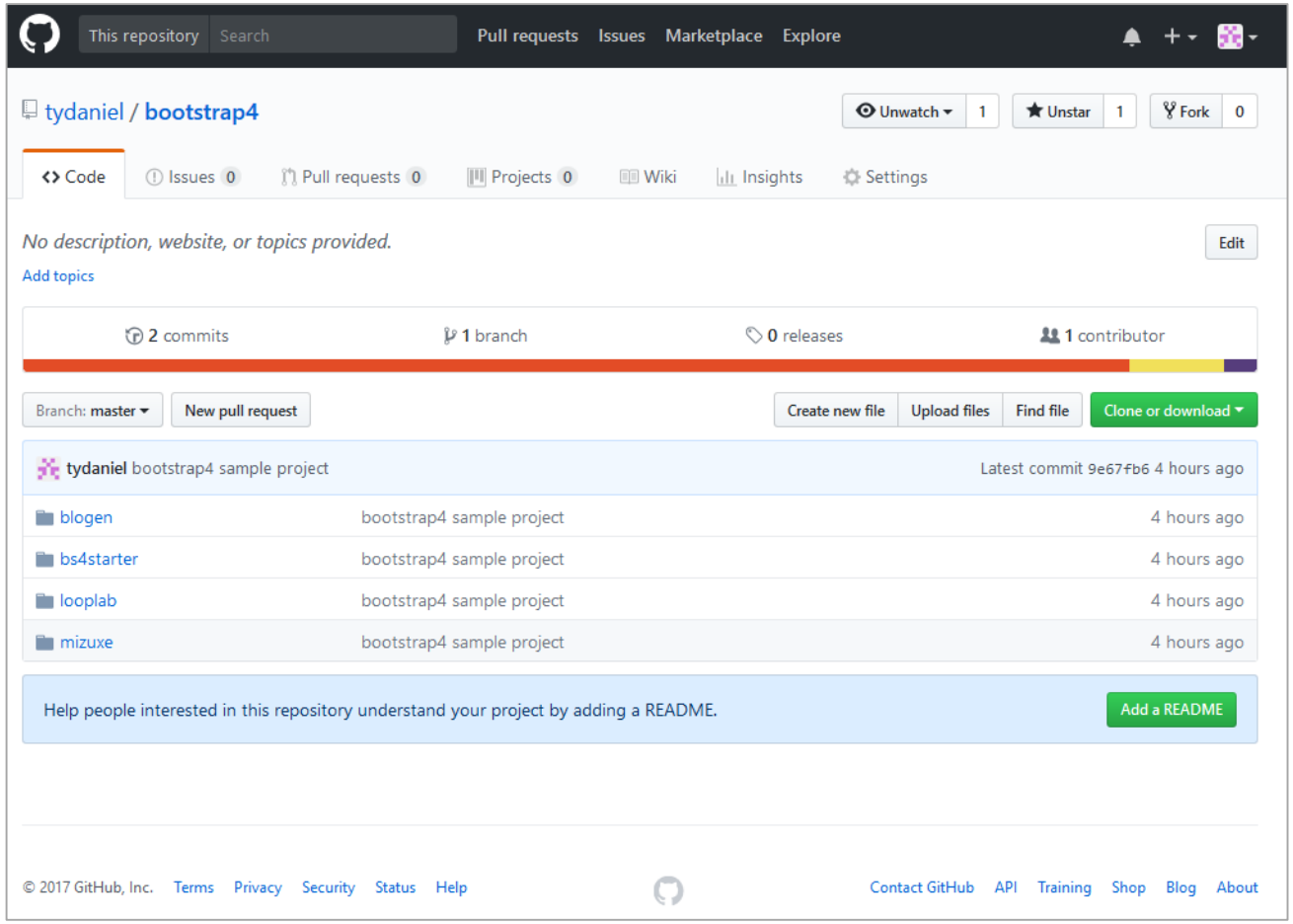
- Reference

https://www.w3cschool.cn/

Bootstrap4 sample

- Github

https://github.com/tydaniel/bootstrap4



Thanks

感謝いたします！

谢谢侬！