

Getting Started

TABS: github repo, jspm registry, localhost:3000

TURN OFF NOTIFICATIONS

```
npm init
npm install --save-dev jspm
jspm init [babel not traceur]

vim index.html [jspm shortcut]
mkdir app
vim app.js => console.log('hello world');
localhost:3000, it works
```

api.js

```
vim app/api.js

var getReposForUser = function(username) {
  const url =
`https://api.github.com/users/${username}/repos`;

  return fetch(url).then(response => response.json());
}

export { getReposForUser };
```

Talk about named imports

New fetch API

```
vim app/main.js
import { getReposForUser } from './api';

getReposForUser('jackfranklin').then(repos => {
  console.log('got repos', repos);
});
```

Right click => save as temporary variable, rejoice

Repo class

```
vim app/repo.js
export default class Repo {
  constructor(obj) {
    this.name = obj.name;
    this.stars = obj.stargazers_count;
  }
}
```

Default exports

```
vim app/main.js
import { getReposForUser } from './api';
import Repo from './repo';

getReposForUser('jackfranklin').then(repos => {
  repos = repos.map(repo => new Repo(repo));
  console.log('got repos', repos);
});
```

Templates

```
jspm install handlebars
```

Talk about the jspm registry

```
jspm install text
```

Talk about SystemJS plugins

```
vim app/repo.hbs
```

```
<li>
  <h4>{{ name }}</h4>
  <p>{{ stars }} stars</p>
</li>
```

```
vim app/main.js
```

```
import { getReposForUser } from './api';
import Repo from './repo';
```

```
import Handlebars from 'handlebars';
import template from './repo.hbs!text';
```

```
getReposForUser('jackfranklin').then(repos => {
  repos = repos.map(repo => new Repo(repo));
  repos = repos.map(repo => {
    let temp = Handlebars.compile(template);
    return temp(repo);
  });
  console.log('got repos', repos);
});
```

Putting it on screen

```
jspm install jquery
```

Note how this time it doesn't install from npm

```
vim app/main.js
import { getReposForUser } from './api';
import Repo from './repo';

import Handlebars from 'handlebars';

import $ from 'jquery';

import template from './repo.hbs!text';

getReposForUser('jackfranklin').then(repos => {
  repos = repos.map(repo => new Repo(repo));
  repos = repos.map(repo => {
    let temp = Handlebars.compile(template);
    return temp(repo);
  });
  $('body').append(`<ul>${ repos.join('') }</ul>`);
});
```

When it goes wrong

Delete something from app/repo.js and refresh

Refactor app/main.js

```
vim app/main.js
getReposForUser('jackfranklin').then(repos => {
  repos = repos
    .map(repo => new Repo(repo))
    .map(Handlebars.compile(template))
    .join('');
  $('body').append(`<ul>${ repos }</ul>`);
});
```

Refactor app/repo.js

```
vim app/repo.js
export default class Repo {
  constructor({ name, stargazers_count }) {
    this.name = name;
    this.stars = stargazers_count;
  }
}
```

Show network tab and all the shit that's going on in it

Bundling

```
npm install --save-dev html-dist
```

```
vim Makefile
```

```
build:
```

```
  - rm -r dist/
```

```
mkdir -p dist
./node_modules/.bin/jspm bundle-sfx app/main
dist/app.js --minify
./node_modules/.bin/html-dist index.html --remove-
all --minify --insert app.js -o dist/index.html

make build
serve -p 3001
```

Show network tab, it's all compiled, nothing happening