Set up angular

Step 1: Set up the development environment

* Install Nodejs and NPM
* Install angular-cli

$ npm install –g @angular/cli

Step 2: create a new project

* Open a terminal window

$ ng new my-app

Step 3: serve the apptication

* $ cd my-app
* $ ng serve –open
* $ng serve –host 172.16.160.169

The ng serve command launches the server, watches your files, and rebuilds the app as you make changes to those files.

Using the --open (or just -o) option will automatically open your browser on http://localhost:4200/.

Step 4: Edit your first Angular component

* The CLI created the first Angular component for you. This is the *root component* and it is named app-root. You can find it in ./src/app/app.component.ts.
* Open the component file and change the title property from *Welcome to app!!* to *Welcome to My First Angular App!!*:
* //src/app/app.component.ts

export class AppComponent {

title = 'My First Angular App';

}

* src/app/app.component.css

h1 {

color: #369;

font-family: Arial, Helvetica, sans-serif;

font-size: 250%;

}

<https://angular.io/guide/pipes>

pige dung để format string, date…

{{ name | uppercase }}

<https://angular.io/api/router/Router>

Router: tương tự như redirector đên một route nào dó

Để sử dụng router

* add vào constructor

constructor(

private router: Router

){}

* call

this.router.navigate(['/detail', this.selectedHero.id]); // redirect to

Ex:

// Imports for loading & configuring the in-memory web api

import { InMemoryWebApiModule } from 'angular-in-memory-web-api';

<https://github.com/angular/in-memory-web-api>

dùng để test or Angular demo

trước khi dùng nhớ: $ npm install –save angular-in-memory-web-api

HTTP Promise

The angular http.get returns an RxJS Observable. Observable are a powerful way to manager asynchronous data flows. You'll read about Observables later in this page.

For now, you've converted the Observable to a Promise using the toPromise operator.

.toPromise()

return this.http.get(this.heroesUrl)

.toPromise()

.then(response => response.json().data as Hero[])

.catch(this.handleError);

The Angular Observable doesn't have a toPromise operator out of the box.

There are many operators like toPromise that extend Observable with useful capabilities. To use those capabilities, you have to add the operators themselves. That's as easy as importing them from the RxJS library like this:

import 'rxjs/add/operator/toPromise';

Pipe

Async

https://angular.io/api/common/AsyncPipe

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