

1 Hero Project

1. First, open your terminal / CLI, create a new Angular project

- `$ ng new angular-heroes-byself`
- It will create a new directory call angular-heroes-byself
- 這步驟會創建一個angular-heroes-byself新的目錄夾，在你目前的目錄下，也就是您專案的根目錄，其中會有相關配置文件，與e2e的一個 end-to-end 的測試項目

```
[yu-hsuans-mbp:Angular hsuanhuang$ ng new angular-heroes-byself
[?] Would you like to add Angular routing? No
? Which stylesheet format would you like to use? CSS
CREATE angular-heroes-byself/README.md (1036 bytes)
CREATE angular-heroes-byself/.editorconfig (246 bytes)
CREATE angular-heroes-byself/.gitignore (629 bytes)
CREATE angular-heroes-byself/angular.json (3942 bytes)
CREATE angular-heroes-byself/package.json (1320 bytes)
CREATE angular-heroes-byself/tsconfig.json (435 bytes)
CREATE angular-heroes-byself/tslint.json (1621 bytes)
CREATE angular-heroes-byself/src/favicon.ico (5430 bytes)
CREATE angular-heroes-byself/src/index.html (306 bytes)
CREATE angular-heroes-byself/src/main.ts (272 bytes)
```

2. Second, use terminal move into this directory, and start the server

- `$ cd angular-heroes-byself`
- `$ ng serve --open`
- Using any browser go to default website <http://localhost:4200/>

```
[yu-hsuans-mbp:angular-heroes-byself hsuanhuang$ ng serve --open
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
```

3. Angular components

- You can see this page which called **Application Shell**
- This Application Shell has be control by **Angular Components**
- Components are Angular basic structure block.

- They can display the data in screen, listen users action and base on those input to reaction.

4. Edit Title

- Try to use IDE or Text editor to open your project
 - like, Sublime, Atom, Visual Studio Code...
 - We can see `src/app` directory, then we can see 3 files which implements AppComponent
 - `app.component.ts`: Component class code write by TypeScript (Like Web JavaScript - action)
 - `app.component.html`: Component template which write by HTML (Like Web HTML - meaning)
 - `app.component.css`: Component privacy CSS file write by CSS (Like Web CSS - presentation)
1. Open `app.component.ts` file edit title from "angular-heroes-byself" to "Tour of Heroes". Then check the `app.component.html` file `{{title}}` use to get variable name title.

```
export class AppComponent {  
  //title = 'angular-heroes-byself';  
  title = 'Tour of Heroes';  
}
```

2. Check web page: title has be changed

Welcome to Tour of Heroes!



3. Then We add CSS style to `src/style.css` instead of `app.component.css` file, because this style.css file use to put the styles which all application pages will use. It can make our template consistent.

```
/* Application-wide Sytles */
h1 {
  color: #369;
  font-family: Arial, Helvetica, sans-serif;
  font-size: 250%
}
h2, h3 {
  color: #444;
  font-family: Arial, Helvetica, sans-serif;
  font-weight: lighter;
}
body {
  margin: 2 em;
}
body, input[type="text"], button {
  color: #888;
  font-family: Cambria, Georgia;
}
/* everywhere else */
* {
```

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

Summary

1. You can use Angular CLI to build the Initial structure.
2. You learn that use Angular Components to display data.
3. You learn that use double curly brackets to get variable value.