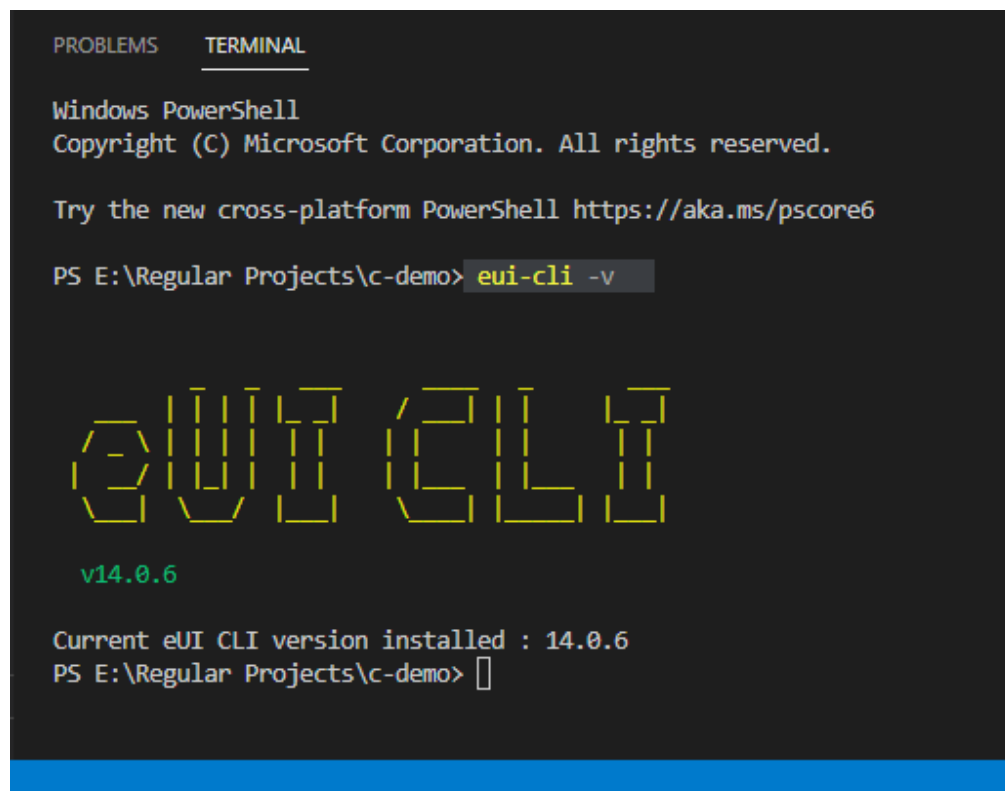


# How to install the project

## 1) Get the European Commission angular environment to work

In order to get the environment to work, follow the environment installation instructions of the European Commission [Dev Guide](#). This should be already up and running if you are already doing development on the project.

Running the `eui-cli -v` command, I get the version `14.0.6`.



```
PROBLEMS  TERMINAL
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS E:\Regular Projects\c-demo> eui-cli -v

eui cli
v14.0.6

Current eUI CLI version installed : 14.0.6
PS E:\Regular Projects\c-demo>
```

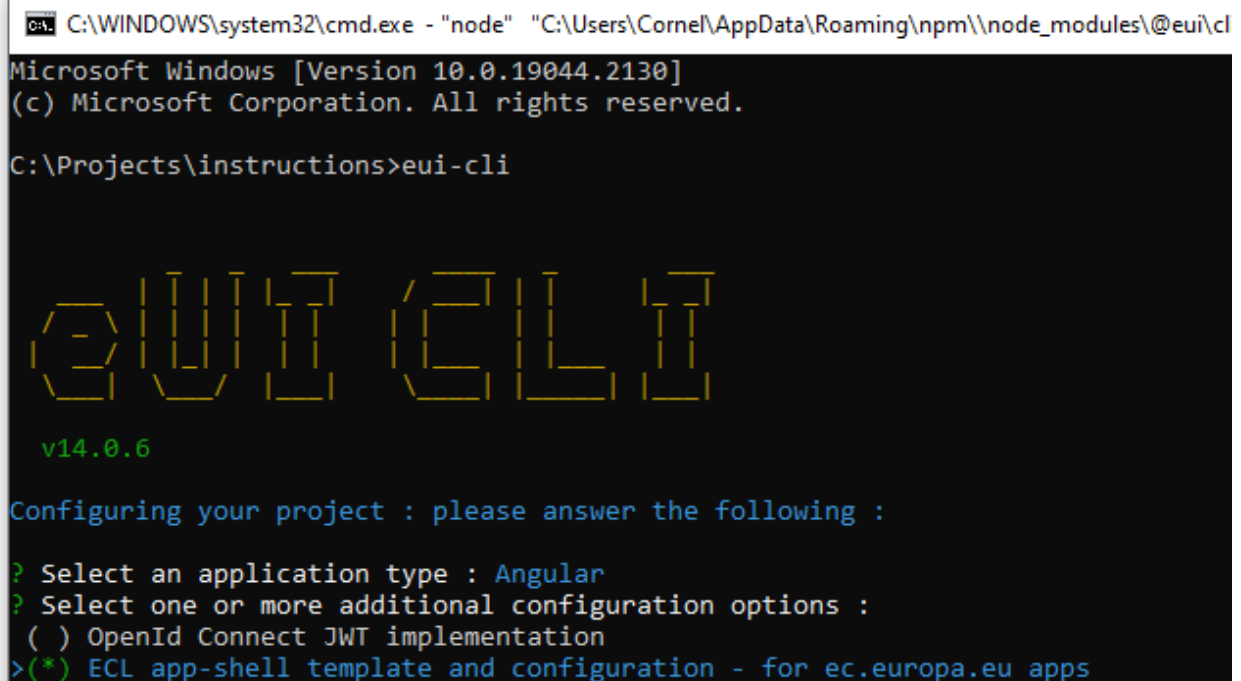
## 2) Install a blank project

After the environment is ready, follow the steps to generate an app from the European Commission [Dev Guide](#).

1. Open a Command Prompt in the folder where you want to set up the project. I used the Windows default command running software Command prompt because some custom tools sometimes don't work as expected.
2. Execute the eui-cli command : `eui-cli`

After choosing the options:

`"Angular"`,  
`"ECL app-shell template and configuration - for ec.europa.eu apps"` and  
`"Install dependencies when the app is generated"`,  
press ENTER. The app should start installing.



```
C:\WINDOWS\system32\cmd.exe - "node" "C:\Users\Cornel\AppData\Roaming\npm\node_modules\@eui\cli"
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Projects\instructions>eui-cli

eui cli
v14.0.6

Configuring your project : please answer the following :

? Select an application type : Angular
? Select one or more additional configuration options :
  ( ) OpenId Connect JWT implementation
> (*) ECL app-shell template and configuration - for ec.europa.eu apps
```

```

C:\WINDOWS\system32\cmd.exe - "node" "C:\Users\Cornel\AppData\Roaming\npm\node_modules\@eui\cli\bin\
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Projects\instructions>eui-cli

  eui cli

v14.0.6

Configuring your project : please answer the following :

? Select an application type : Angular
? Select one or more additional configuration options : ECL app-shell template and
? Install dependencies when the app is generated : (Y/n) Y

```

```

C:\> ng serve app --configuration=proxy-mock --open=true

> eui-ecl-angular-app@14.0.6 start-mock-server
> nodemon --watch ./mock ./mock/server.js

> eui-ecl-angular-app@14.0.6 start-serve
> eui-scripts serve-app --configuration=proxy-mock

[nodemon] 2.0.12
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): mock\**\*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node ./mock/server.js`
We are live on 3000

10:30:19 - ► SERVING APPLICATION : APP...

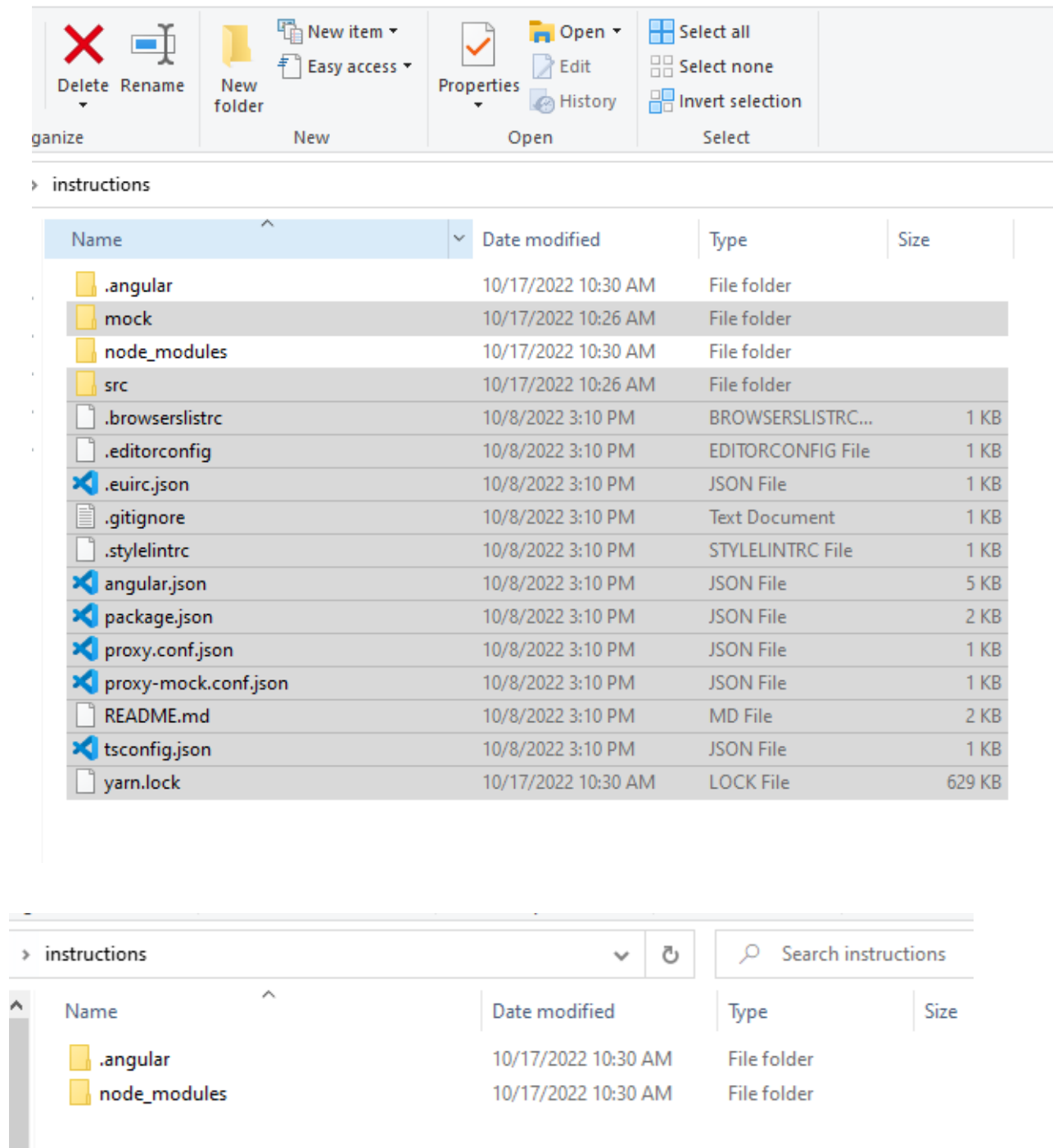
10:30:19 - ► PRE-BUILD : PREPARING THE PROJECT...
10:30:19 - >>> Registering angular project definition...
10:30:19 - >>> Executing configuration replacement for : undefined environment
10:30:20 - >>> Replacing default src/assets/env-json-config.json file by C:\Project
json-config.json content
10:30:20 - >>>>> OK

10:30:20 - >>> DRY-RUN or pre-build script not found in project folder --- skipping
10:30:20 - >>> ng serve with args C:\Projects\instructions\node_modules\@angular\cli
oxy-mock,--open=true
Warning: 'outputHashing' option is disabled when using the dev-server.
- Generating browser application bundles (phase: building)...

```

### 3) Delete the extra files

In the project folder, where you just did the installation, keep only the `.angular` folder and `node_modules` folder and delete the files and folders.



The screenshot displays a file explorer interface with a toolbar at the top and a file list below. The toolbar contains icons for Delete, Rename, New folder, New item, Easy access, Properties, Open, Edit, History, Select all, Select none, and Invert selection. The file list shows the following items:

Name	Date modified	Type	Size
.angular	10/17/2022 10:30 AM	File folder	
mock	10/17/2022 10:26 AM	File folder	
node_modules	10/17/2022 10:30 AM	File folder	
src	10/17/2022 10:26 AM	File folder	
.browserslistrc	10/8/2022 3:10 PM	BROWSERSLISTRC...	1 KB
.editorconfig	10/8/2022 3:10 PM	EDITORCONFIG File	1 KB
.euirc.json	10/8/2022 3:10 PM	JSON File	1 KB
.gitignore	10/8/2022 3:10 PM	Text Document	1 KB
.stylelintrc	10/8/2022 3:10 PM	STYLELINTRC File	1 KB
angular.json	10/8/2022 3:10 PM	JSON File	5 KB
package.json	10/8/2022 3:10 PM	JSON File	2 KB
proxy.conf.json	10/8/2022 3:10 PM	JSON File	1 KB
proxy-mock.conf.json	10/8/2022 3:10 PM	JSON File	1 KB
README.md	10/8/2022 3:10 PM	MD File	2 KB
tsconfig.json	10/8/2022 3:10 PM	JSON File	1 KB
yarn.lock	10/17/2022 10:30 AM	LOCK File	629 KB

Below the first screenshot, a second screenshot shows the same file explorer after deleting the extra files. The file list now only contains the `.angular` and `node_modules` folders.

Name	Date modified	Type	Size
.angular	10/17/2022 10:30 AM	File folder	
node_modules	10/17/2022 10:30 AM	File folder	

## 4) Download the repo

Open the [GitHub repo](#) and download the files

The screenshot shows a GitHub repository interface. At the top, there are buttons for 'Go to file', 'Add file', and 'Code'. Below these, a dropdown menu is open, showing options to 'Clone' the repository using 'HTTPS', 'SSH', or 'GitHub CLI'. The 'HTTPS' option is selected, and the URL 'https://github.com/Cornel-Selescu/eu-init:' is displayed. Below the URL, there is a button to 'Open with GitHub Desktop' and a highlighted button to 'Download ZIP'. The main content area shows a list of files and folders in the repository, including '.vscode', 'mock', 'src', and various configuration files like '.browserslistrc', '.editorconfig', '.euirc.json', '.gitignore', '.stylelintrc', 'README.md', 'angular.json', 'package.json', 'proxy-mock.conf.json', 'proxy.conf.json', 'tsconfig.json', and 'yarn.lock'. Each file entry shows the file name, the commit message, and the time since the last commit.

File/Folder	Commit Message	Time
.vscode	Initiative info component added.	
mock	Minor twicks.	
src	Minor twicks.	
.browserslistrc	first commit	
.editorconfig	first commit	
.euirc.json	first commit	
.gitignore	first commit	6 days ago
.stylelintrc	first commit	6 days ago
README.md	first commit	6 days ago
angular.json	Minor twicks.	3 days ago
package.json	first commit	6 days ago
proxy-mock.conf.json	first commit	6 days ago
proxy.conf.json	first commit	6 days ago
tsconfig.json	Form validation styling added.	3 days ago
yarn.lock	first commit	6 days ago

After you download the repo archive, extract it and move its contents in the other folder, where you left only the `node_modules` and `angular` folder

Repo extracted archive folder:

Name	Date modified	Type	Size
.vscode	10/14/2022 5:13 PM	File folder	
mock		File folder	
src		File folder	
.browserslistrc		BROWSERSLISTRC...	1 KB
.editorconfig		EDITORCONFIG File	1 KB
.euirc.json		JSON File	1 KB
.gitignore		Text Document	1 KB
.stylelintrc		STYLELINTRC File	1 KB
angular.json		JSON File	6 KB
package.json		JSON File	2 KB
proxy.conf.json		JSON File	1 KB
proxy-mock.conf		JSON File	1 KB
README.md		MD File	2 KB
tsconfig.json		JSON File	1 KB
yarn.lock		LOCK File	613 KB

**Open**  
Open in new window  
Pin to Quick access  
Add to VLC media player's Playlist  
Play with VLC media player  
7-Zip  
CRC SHA  
Scan with Microsoft Defender...  
Send to  
Cut  
Copy  
Create shortcut  
Delete  
Rename  
Properties

Destination folder:

instructions			
Name	Date modified	Type	Size
.angular	10/17/2022 10:30 AM	File folder	
.vscode	10/17/2022 10:52 AM	File folder	
mock	10/17/2022 10:52 AM	File folder	
node_modules	10/17/2022 10:30 AM	File folder	
src	10/17/2022 10:52 AM	File folder	
.browserslistrc	10/14/2022 5:13 PM	BROWSERSLISTRC...	1 KB
.editorconfig	10/14/2022 5:13 PM	EDITORCONFIG File	1 KB
.euirc.json	10/14/2022 5:13 PM	JSON File	1 KB
.gitignore	10/14/2022 5:13 PM	Text Document	1 KB
.stylelintrc	10/14/2022 5:13 PM	STYLELINTRC File	1 KB
angular.json	10/14/2022 5:13 PM	JSON File	6 KB
package.json	10/14/2022 5:13 PM	JSON File	2 KB
proxy.conf.json	10/14/2022 5:13 PM	JSON File	1 KB
proxy-mock.conf.json	10/14/2022 5:13 PM	JSON File	1 KB
README.md	10/14/2022 5:13 PM	MD File	2 KB
tsconfig.json	10/14/2022 5:13 PM	JSON File	1 KB
yarn.lock	10/14/2022 5:13 PM	LOCK File	613 KB

## 5) Run the command for the app

Now that you have all the files, you can start the server.

Run the command `npm run start` in the project folder.

```
PROBLEMS  TERMINAL

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS E:\Regular Projects\c-demo> eui-cli -v

eui cli
v14.0.6

Current eUI CLI version installed : 14.0.6
PS E:\Regular Projects\c-demo> npm run start

> eui-angular-app@14.0.6 start
> npm-run-all --parallel start-mock-server start-serve

> eui-angular-app@14.0.6 start-serve
> eui-scripts serve-app --configuration=proxy-mock

> eui-angular-app@14.0.6 start-mock-server
> nodemon --watch ./mock ./mock/server.js

[nodemon] 2.0.12
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): mock\**\*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node ./mock/server.js`

11:00:33 - ► SERVING APPLICATION : APP...

11:00:33 - ► PRE-BUILD : PREPARING THE PROJECT...
11:00:33 - >>> Registering angular project definition...
11:00:33 - >>> Executing configuration replacement for : undefined environment
11:00:33 - >>> Replacing default src/assets/env-json-config.json file by E:\Regula
11:00:34 - >>>>> OK

11:00:34 - >>> DRY-RUN or pre-build script not found in project folder --- skippin
11:00:34 - >>> ng serve with args E:\Regular Projects\c-demo\node_modules\@angular
We are live on 3000
i. Generating browser application bundles (phase: setup)...[]
```

The app should start in the browser and should look like this:






European Citizens' Initiative

localhost:4200/screen/home

Belgium



58.82% of threshold for this country (50000 / 85000)


[View all countries](#)

Recent signatories

+1	From	ITALY	12-Oct-2022
+1	From	FRANCE	11-Oct-2022
+1	From	ITALY	11-Oct-2022
+1	From	FRANCE	11-Oct-2022
+1	From	ITALY	11-Oct-2022

Support this initiative proposed by European Union citizens

Select your country of nationality



European Citizens' Initiative

localhost:4200/screen/home

[Back](#)

## Support this initiative proposed by European Union citizens

Your country of nationality

**Bulgaria**

Please provide the following data.

Why? Once the collection is over, your statement of support needs to be verified by the competent authorities of your country. They have requested a specific set of personal data, as described in the [ECI Regulation](#). Your personal data are [duly protected](#).

All fields are mandatory

### Personal identification

Document or number type

Personal Id

Number

### Personal information

Full first names

Family names

Date of birt

Day

/

Month

/

Year

☐ I hereby certify that the information that I have provided in this form is correct and that I have not already supported this initiative.

The terminal should look like this:

```
PROBLEMS  TERMINAL

Initial Chunk Files | Names | Raw Size
runtime.js         | runtime | 14.45 kB |

8 unchanged chunks

Build at: 2022-10-17T08:02:06.095Z - Hash: 62e1522748a97387 - Time: 8227ms

✓ Compiled successfully.
✓ Browser application bundle generation complete.

9 unchanged chunks

Build at: 2022-10-17T08:02:09.144Z - Hash: 62e1522748a97387 - Time: 2563ms

✓ Compiled successfully.
█
```

The usual way of running this kind of project is to run “`npm install`” in the repo folder, but each time I try this, I get the following error:

```
C:\Windows\System32\cmd.exe

C:\Projects\eu-instructions\eu-initiative-main>
C:\Projects\eu-instructions\eu-initiative-main> npm run start

> eui-angular-app@14.0.6 start
> npm-run-all --parallel start-mock-server start-serve

> eui-angular-app@14.0.6 start-mock-server
> nodemon --watch ./mock ./mock/server.js

> eui-angular-app@14.0.6 start-serve
> eui-scripts serve-app --configuration=proxy-mock

[nodemon] 2.0.12
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): mock\**\*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node ./mock/server.js`
We are live on 3000

10:58:13 - ► SERVING APPLICATION : APP...

10:58:13 - ► PRE-BUILD : PREPARING THE PROJECT...
10:58:13 - >>> Registering angular project definition...
10:58:13 - >>> Executing configuration replacement for : undefined environment
10:58:13 - >>> Replacing default src/assets/env-json-config.json file by C:\Projects\eu-ins
src/assets\config\env-json-config.json content
10:58:13 - >>>>> OK

10:58:13 - >>> DRY-RUN or pre-build script not found in project folder --- skipping
10:58:13 - >>> ng serve with args C:\Projects\eu-instructions\eu-initiative-main\node_modul
app,--configuration=proxy-mock,--open=true
Could not find the '@angular-devkit/build-angular:dev-server' builder's node package.
Error: Command failed: node C:\Projects\eu-instructions\eu-initiative-main\node_modules\@an
configuration=proxy-mock --open=true
    at makeError (C:\Projects\eu-instructions\eu-initiative-main\node_modules\execa\index.j
    at C:\Projects\eu-instructions\eu-initiative-main\node_modules\execa\index.js:278:16
    at processTicksAndRejections (node:internal/process/task_queues:96:5) {
  code: 1,
  stdout: null,
  stderr: null,
  failed: true,
  signal: null,
  cmd: 'node C:\\Projects\\eu-instructions\\eu-initiative-main\\node_modules\\@angular\\cli
ration=proxy-mock --open=true',
  timedOut: false,
  killed: false
}
ERROR: "start-serve" exited with 1.

C:\Projects\eu-instructions\eu-initiative-main>
```

## 6) If you want to change the data set

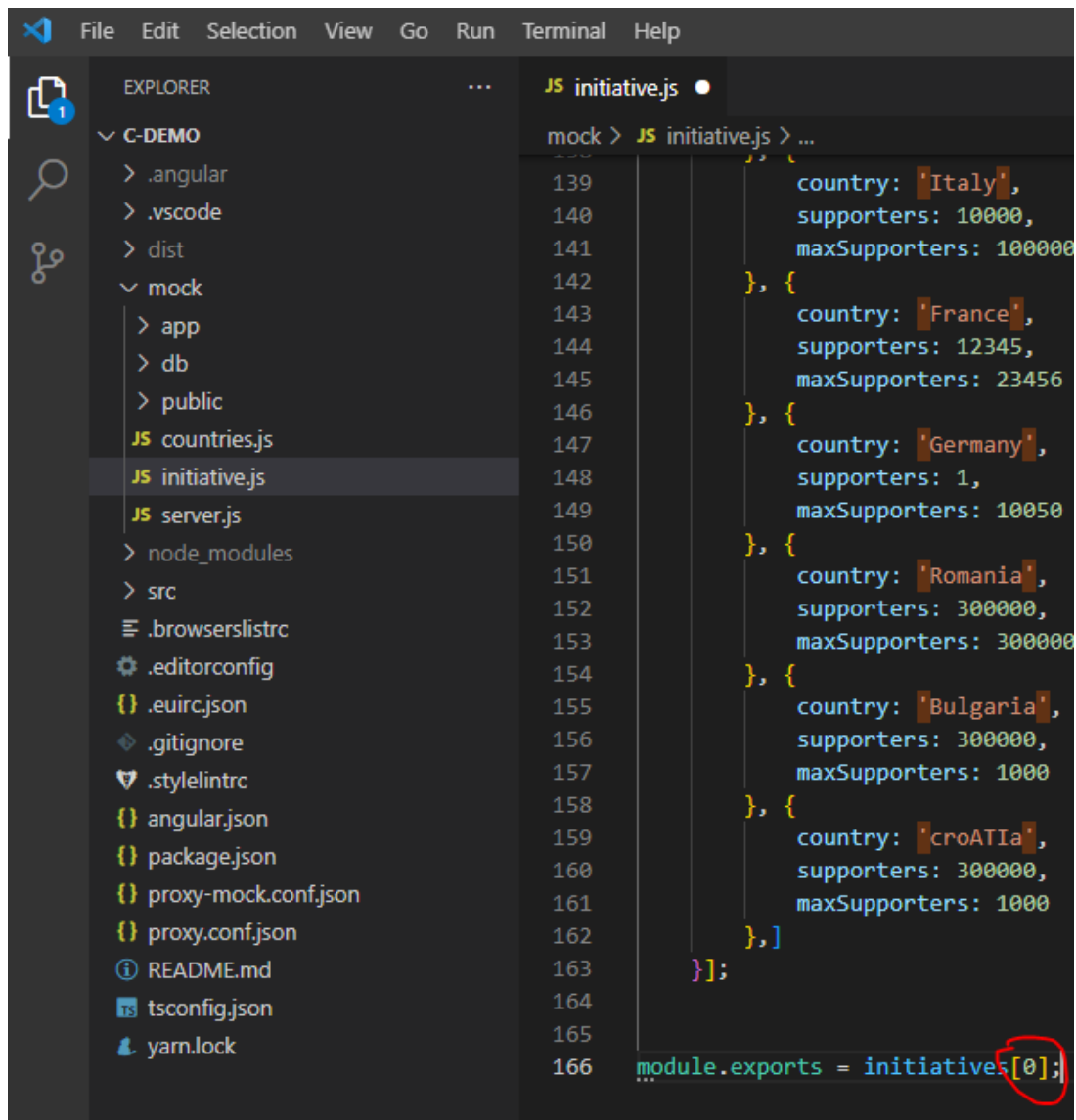
In order to change the data set, go into the project folder, then to the `"/mock/initiative.js"` file. Here look for the last row, and change the index of initiatives to 1.

Before:

```
module.exports = initiatives[0];
```

After:

```
module.exports = initiatives[1];
```



After you refresh the page, it should look like this:

The screenshot shows a web browser window with the title "European Citizens' Initiative". The address bar shows "localhost:4200/screen/home". The page features the European Union flag and the text "An official EU website" and "How do you know?". Below this is the "European Union" logo and a language selector set to "EN". The main heading is "EUROPEAN CITIZENS' INITIATIVE - Central online collection system". A large blue banner with the text "Win It On The Pitch" is prominently displayed. Below the banner is a graphic with the text "WIN IT ON THE PITCH." in large, bold, blue letters, overlaid on a stylized illustration of a football pitch. The URL "winitonthepitch.eu" is visible in the bottom right corner of the graphic. Below the graphic, the section "Objectives" is followed by the text "PROTECT CLUBS, COMMUNITIES, AND COMPETITIONS". This is followed by a paragraph: "Council recommendation on protecting the model of sport in Europe based on values, solidarity, sustainability, and open competitions". Another paragraph states: "The European model of sport is based on popular principles such as sporting merit, promotion and relegation, qualification to Europe via domestic success, and financial solidarity. This model and its principles must be further protected at the EU-level to prevent any more super league style breakaway attempts and protect our clubs, communities and competitions from hostile and reckless corporate and financial prospecting into European sport by private organisations and sovereign wealth funds." The final paragraph reads: "Sport is an integral part of the fabric of European society and culture that must be protected and promoted for the benefit of all."

European Citizens' Initiative

localhost:4200/screen/home

An official EU website

How do you know?

European Union

EN

EUROPEAN CITIZENS' INITIATIVE - Central online collection system

Win It On The Pitch

WIN IT ON THE PITCH.

winitonthepitch.eu

**Objectives**

PROTECT CLUBS, COMMUNITIES, AND COMPETITIONS

Council recommendation on protecting the model of sport in Europe based on values, solidarity, sustainability, and open competitions

The European model of sport is based on popular principles such as sporting merit, promotion and relegation, qualification to Europe via domestic success, and financial solidarity. This model and its principles must be further protected at the EU-level to prevent any more super league style breakaway attempts and protect our clubs, communities and competitions from hostile and reckless corporate and financial prospecting into European sport by private organisations and sovereign wealth funds.

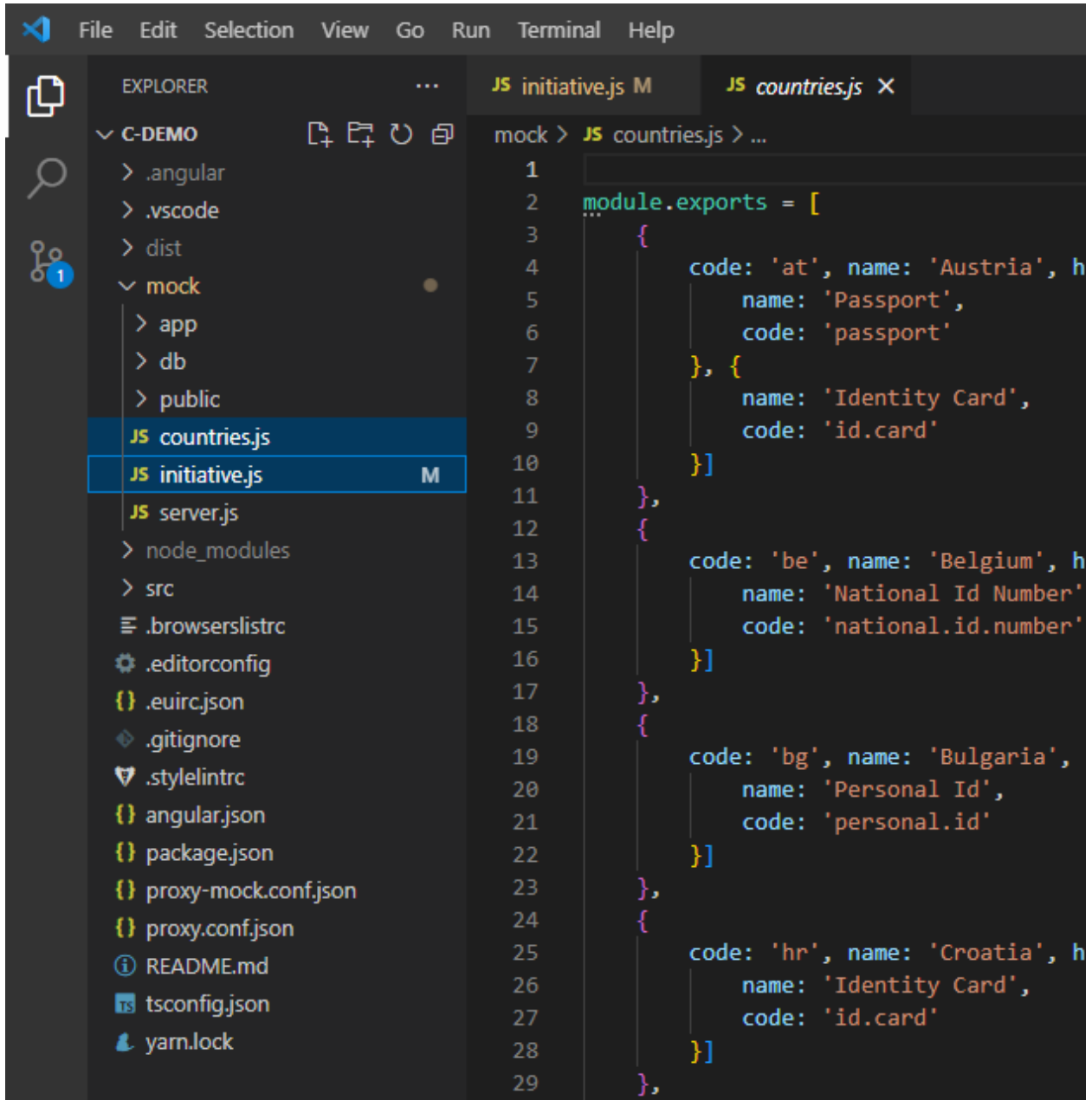
Sport is an integral part of the fabric of European society and culture that must be protected and promoted for the benefit of all.

The two files that contain the mock data are:

`"/mock/initiative.js"`

`"/mock/countries.js"`

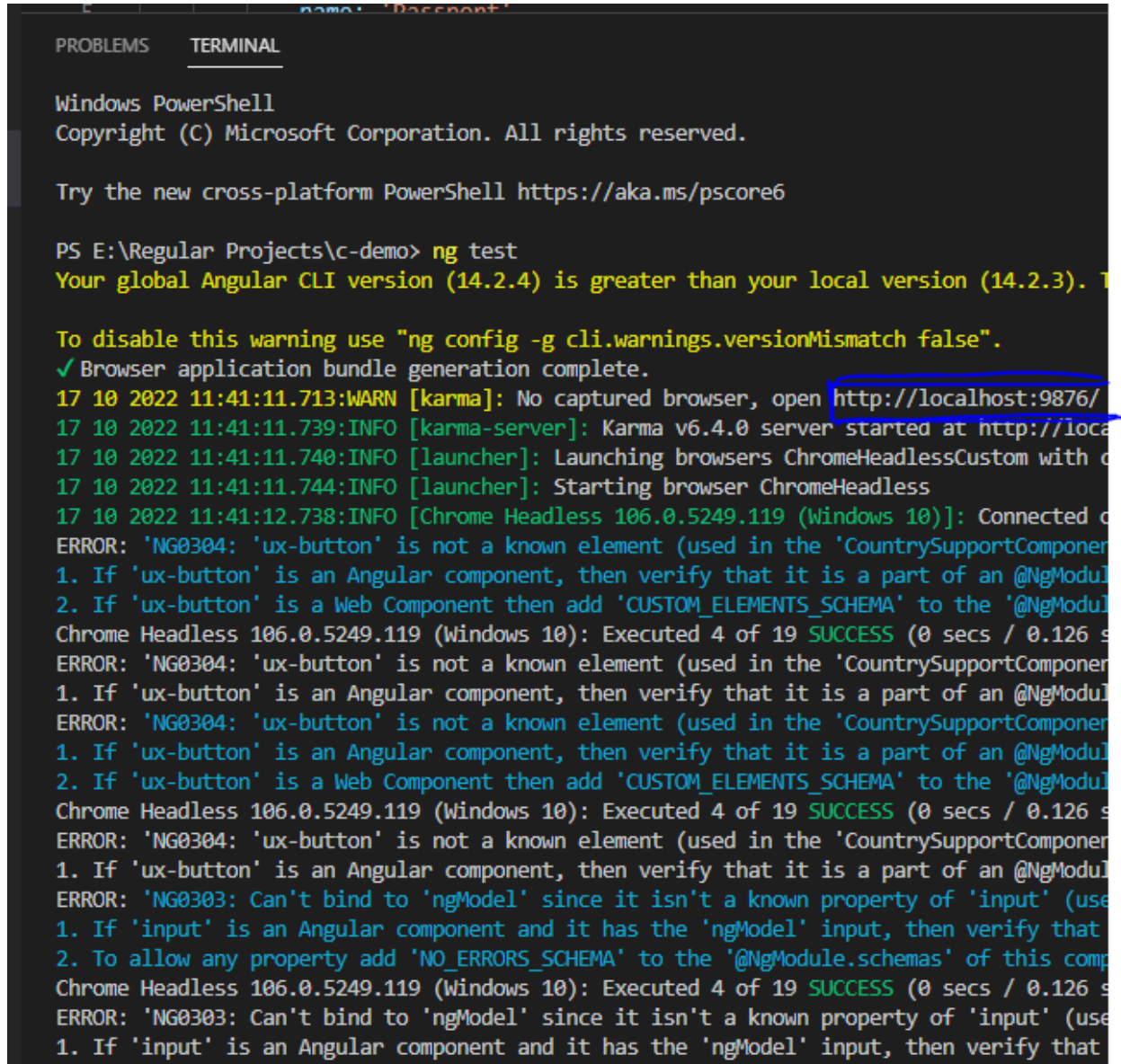
You can change the data in those two files, and refresh the page to see the changes:



```
1
2 module.exports = [
3
4     {
5         code: 'at', name: 'Austria', h
6         name: 'Passport',
7         code: 'passport'
8     }, {
9         name: 'Identity Card',
10        code: 'id.card'
11    }
12 ]
13
14 {
15     code: 'be', name: 'Belgium', h
16     name: 'National Id Number'
17     code: 'national.id.number'
18 }
19
20 {
21     code: 'bg', name: 'Bulgaria',
22     name: 'Personal Id',
23     code: 'personal.id'
24 }
25
26 {
27     code: 'hr', name: 'Croatia', h
28     name: 'Identity Card',
29     code: 'id.card'
30 }
```

## 7) Unit tests

In the project folder, run “ng-test”  
The terminal should look like this.



```
PROBLEMS  TERMINAL

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS E:\Regular Projects\c-demo> ng test
Your global Angular CLI version (14.2.4) is greater than your local version (14.2.3). To
update to the global version, run: npm install -g @angular/cli.

To disable this warning use "ng config -g cli.warnings.versionMismatch false".
✓ Browser application bundle generation complete.
17 10 2022 11:41:11.713:WARN [karma]: No captured browser, open http://localhost:9876/
17 10 2022 11:41:11.739:INFO [karma-server]: Karma v6.4.0 server started at http://loca
17 10 2022 11:41:11.740:INFO [launcher]: Launching browsers ChromeHeadlessCustom with c
17 10 2022 11:41:11.744:INFO [launcher]: Starting browser ChromeHeadless
17 10 2022 11:41:12.738:INFO [Chrome Headless 106.0.5249.119 (Windows 10)]: Connected c
ERROR: 'NG0304: 'ux-button' is not a known element (used in the 'CountrySupportComponer
1. If 'ux-button' is an Angular component, then verify that it is a part of an @NgModul
2. If 'ux-button' is a Web Component then add 'CUSTOM_ELEMENTS_SCHEMA' to the '@NgModul
Chrome Headless 106.0.5249.119 (Windows 10): Executed 4 of 19 SUCCESS (0 secs / 0.126 s
ERROR: 'NG0304: 'ux-button' is not a known element (used in the 'CountrySupportComponer
1. If 'ux-button' is an Angular component, then verify that it is a part of an @NgModul
ERROR: 'NG0304: 'ux-button' is not a known element (used in the 'CountrySupportComponer
1. If 'ux-button' is an Angular component, then verify that it is a part of an @NgModul
2. If 'ux-button' is a Web Component then add 'CUSTOM_ELEMENTS_SCHEMA' to the '@NgModul
Chrome Headless 106.0.5249.119 (Windows 10): Executed 4 of 19 SUCCESS (0 secs / 0.126 s
ERROR: 'NG0304: 'ux-button' is not a known element (used in the 'CountrySupportComponer
1. If 'ux-button' is an Angular component, then verify that it is a part of an @NgModul
ERROR: 'NG0303: Can't bind to 'ngModel' since it isn't a known property of 'input' (use
1. If 'input' is an Angular component and it has the 'ngModel' input, then verify that
2. To allow any property add 'NO_ERRORS_SCHEMA' to the '@NgModule.schemas' of this comp
Chrome Headless 106.0.5249.119 (Windows 10): Executed 4 of 19 SUCCESS (0 secs / 0.126 s
ERROR: 'NG0303: Can't bind to 'ngModel' since it isn't a known property of 'input' (use
1. If 'input' is an Angular component and it has the 'ngModel' input, then verify that
```



Only the tests for “CustomValidators” were written by me. All the others are generated by angular. The file location, in the project folder, is:

`\src\app\validators\custom-validators.spec.ts.`

If you follow the [link](#) that is underlined in the console, Karma should look like this:

