Generating a New Angular Application

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Command Line Interface for building Angular applications

Generating Apps

ANGULAR CLI

Generating an app

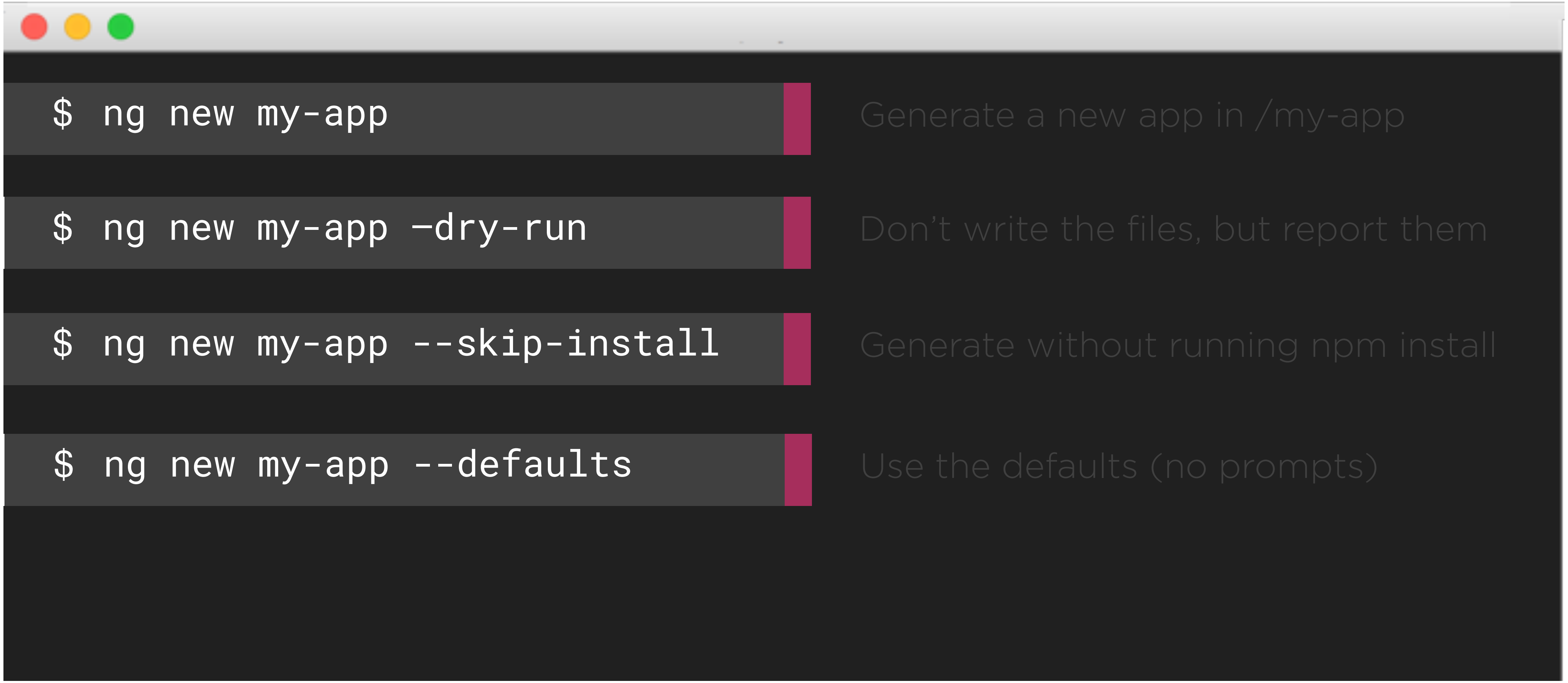
Learning the flags

Configuring and customizing the CLI

Checking and fixing the code

Generating a New Application

Generating a New Application



```
$ ng new my-app
```

Generate a new app in /my-app

```
$ ng new my-app –dry-run
```

Don’t write the files, but report them

```
$ ng new my-app --skip-install
```

Generate without running npm install

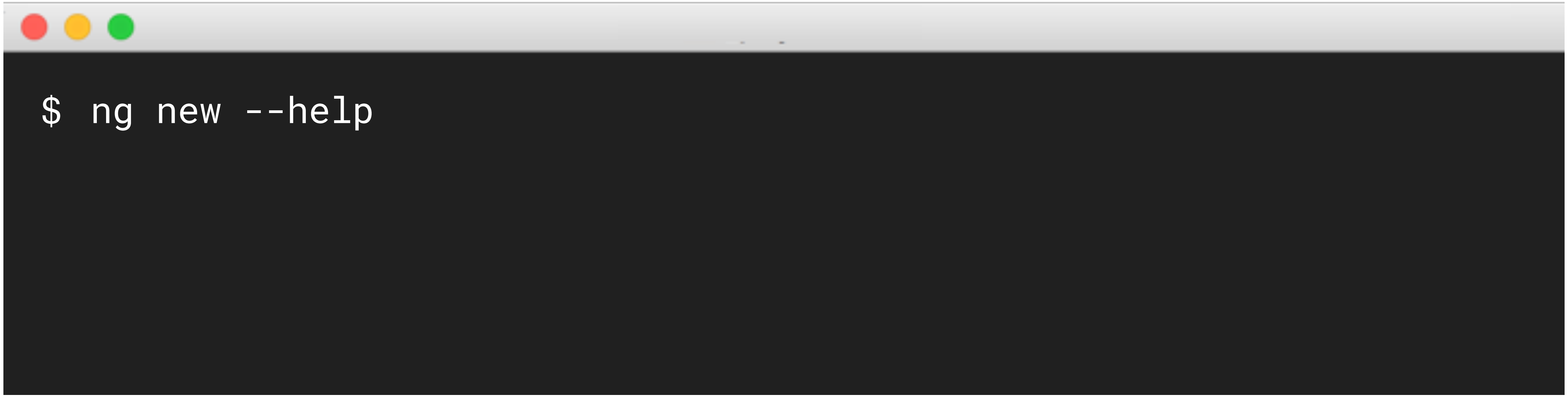
```
$ ng new my-app --defaults
```

Use the defaults (no prompts)

Getting Help

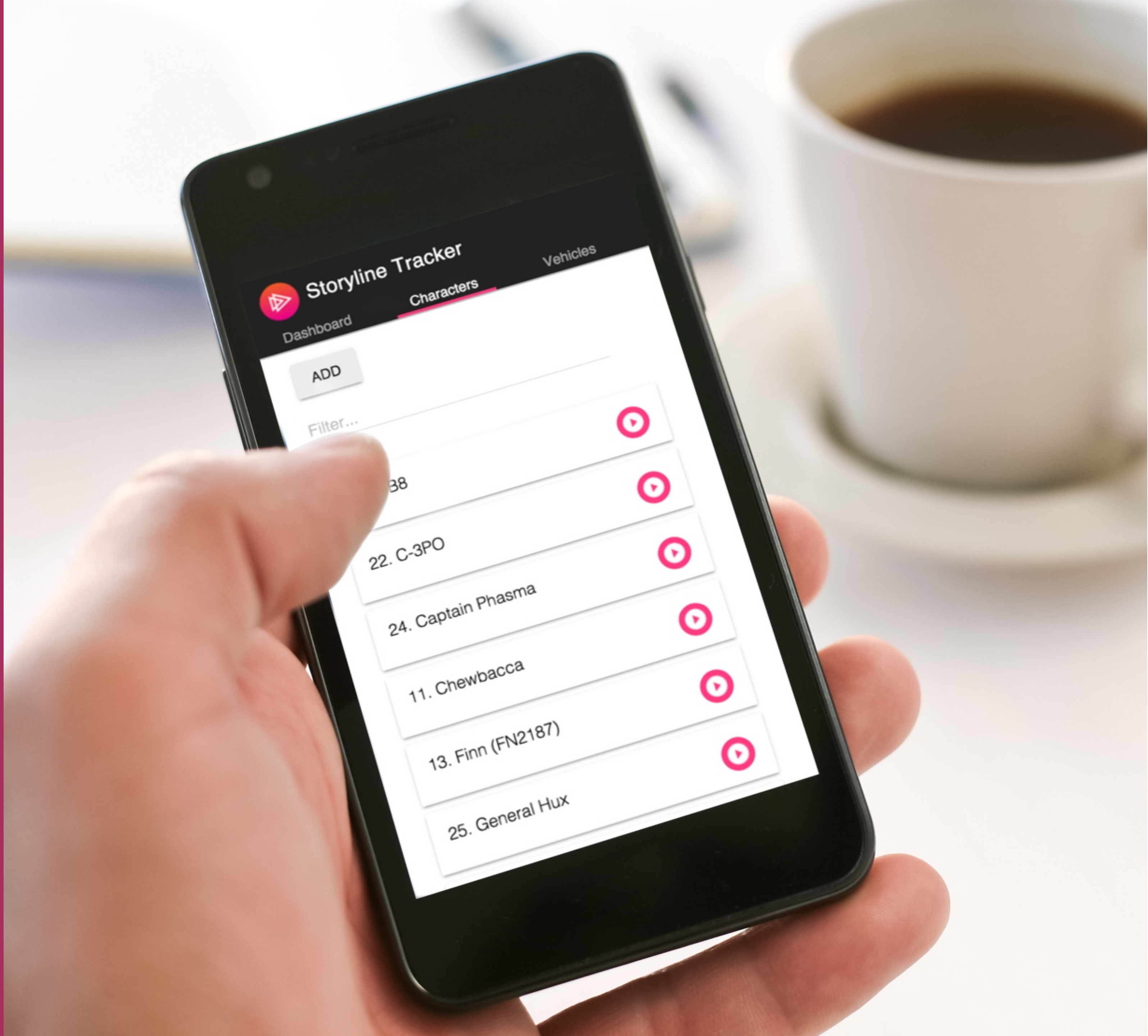
Add the --help flag

Reports the many options and their defaults



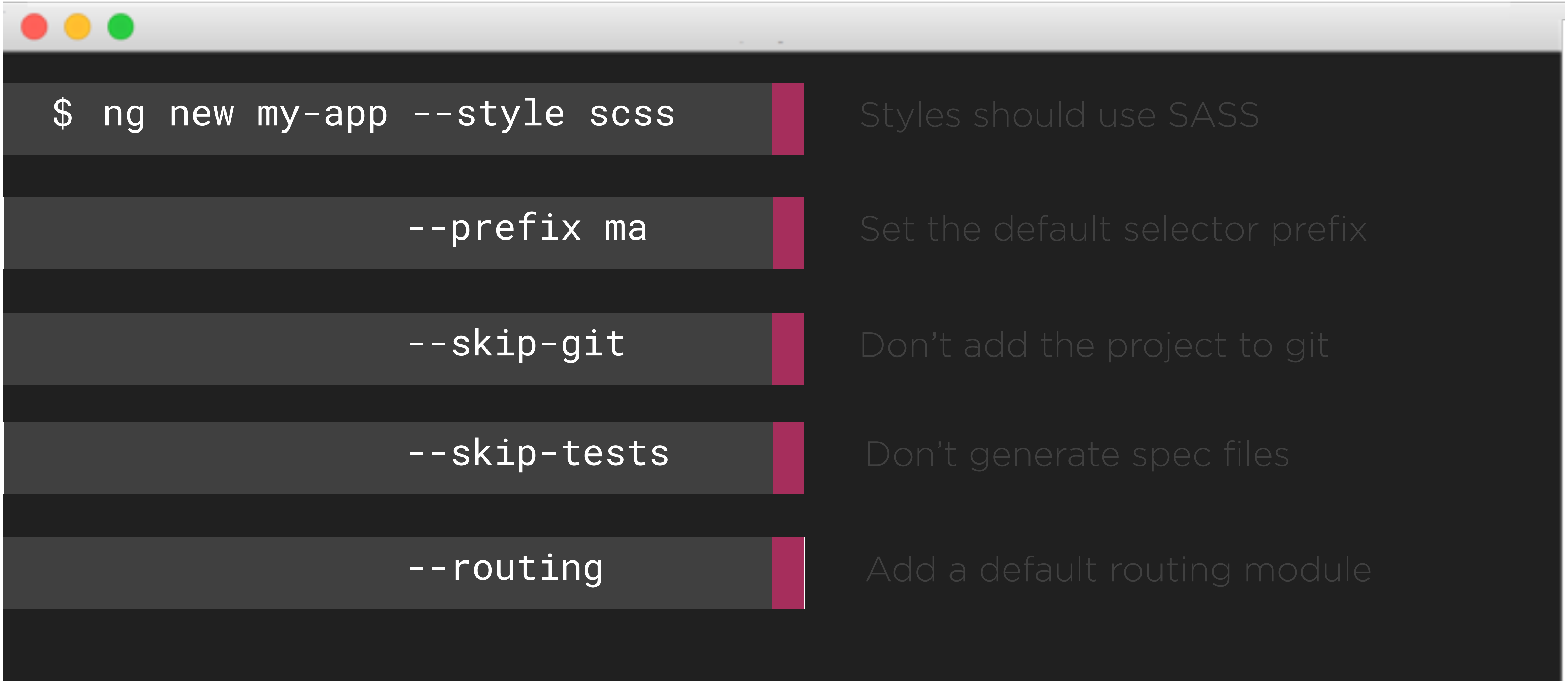
```
$ ng new --help
```

Demo


Storyline Tracker
Dashboard
Characters
Vehicles
ADD
Filter...
B8
22. C-3PO
24. Captain Phasma
11. Chewbacca
13. Finn (FN2187)
25. General Hux

Common App Generation Flags

Common App Generation Flags



```
$ ng new my-app --style scss
                --prefix ma
                --skip-git
                --skip-tests
                --routing
```

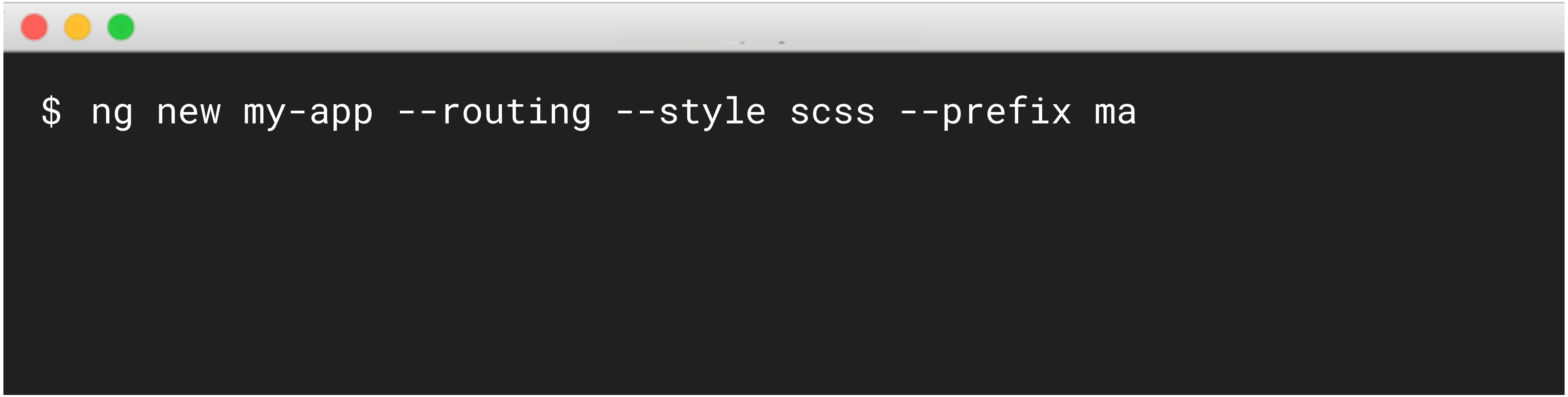
Styles should use SASS

Set the default selector prefix

Don’t add the project to git

Don’t generate spec files

Add a default routing module



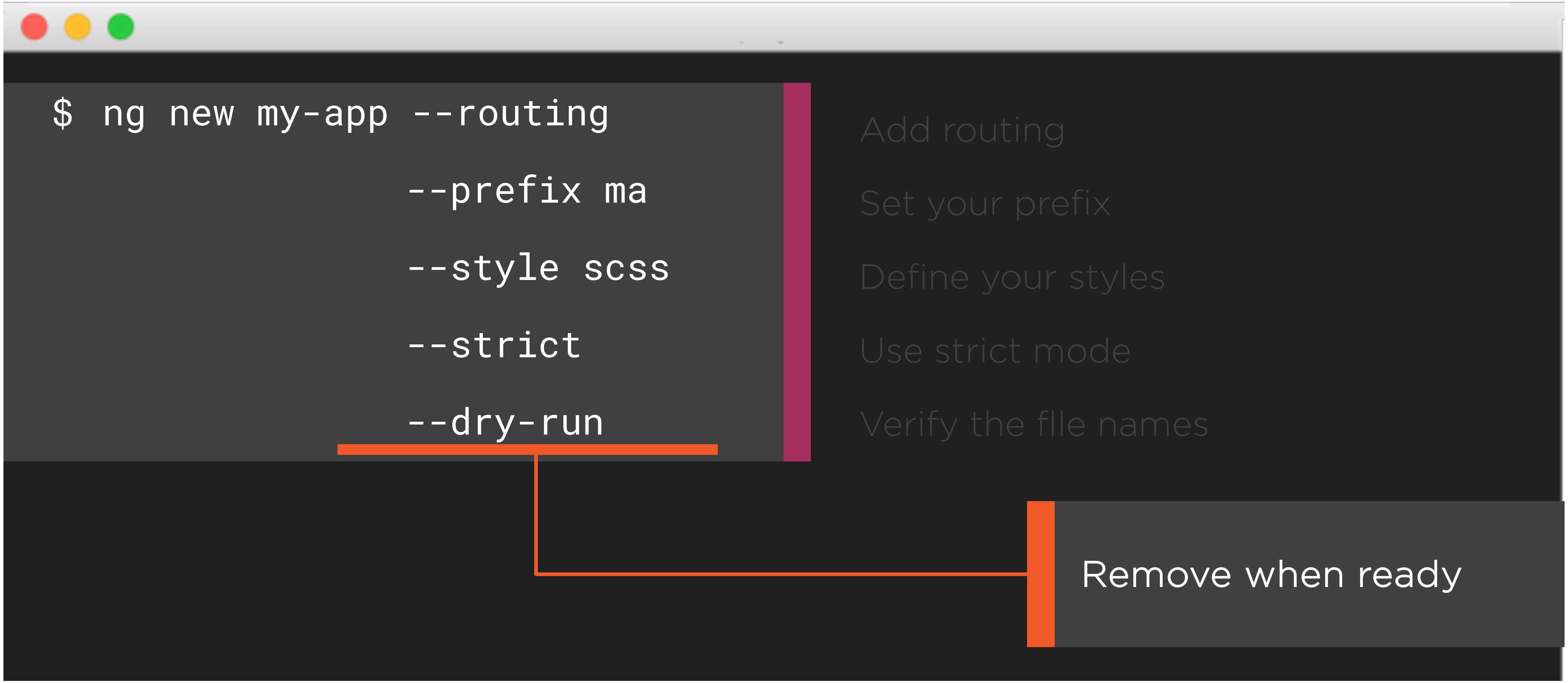
```
$ ng new my-app --routing --style scss --prefix ma
```

Many flags can be combined

Ideal for settings that should exist throughout the app

Some flags change the configuration in angular.json

Tip



```
$ ng new my-app --routing
                --prefix ma
                --style scss
                --strict
                --dry-run
```

Add routing

Set your prefix

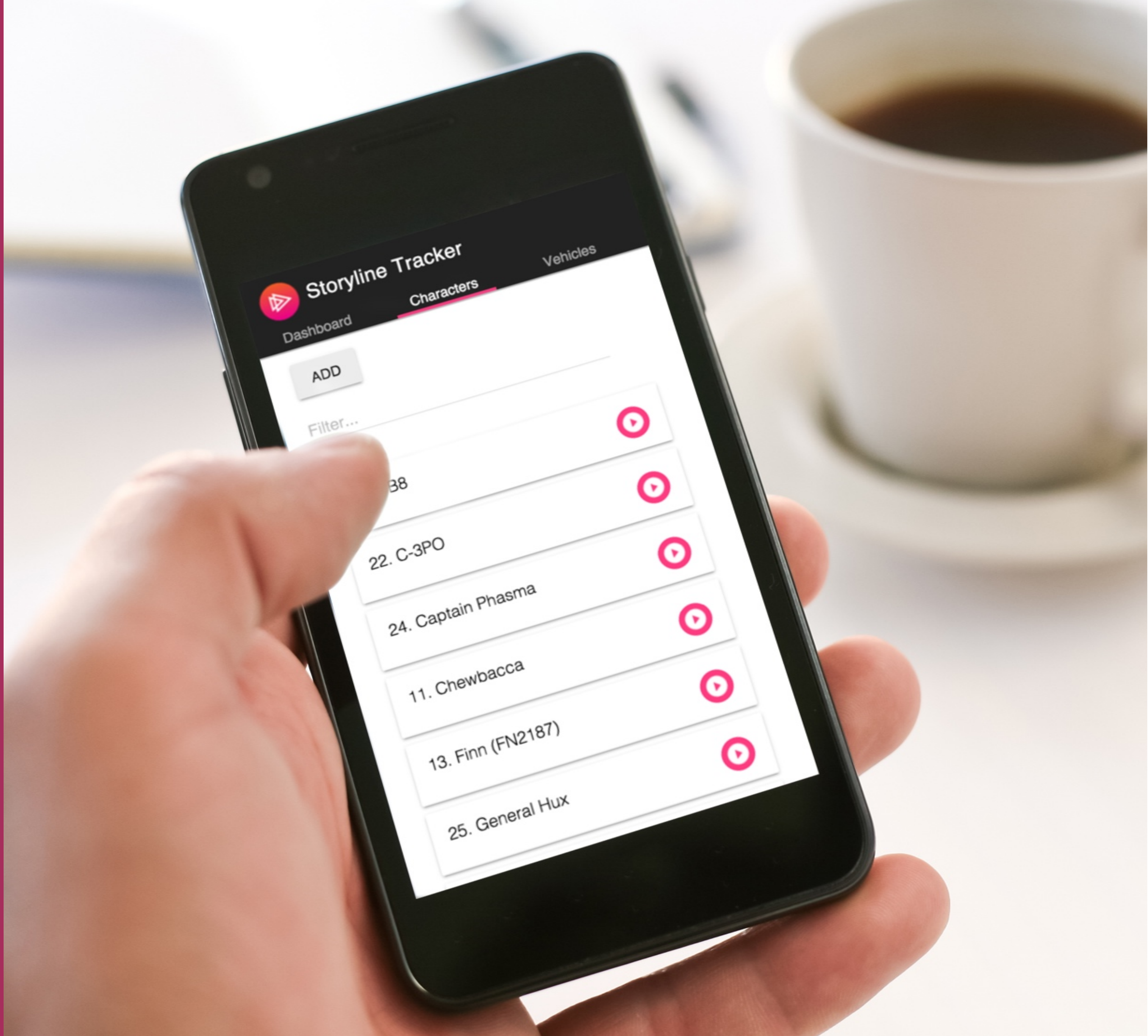
Define your styles

Use strict mode

Verify the flle names

Remove when ready

Demo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88
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Configuring the Angular CLI

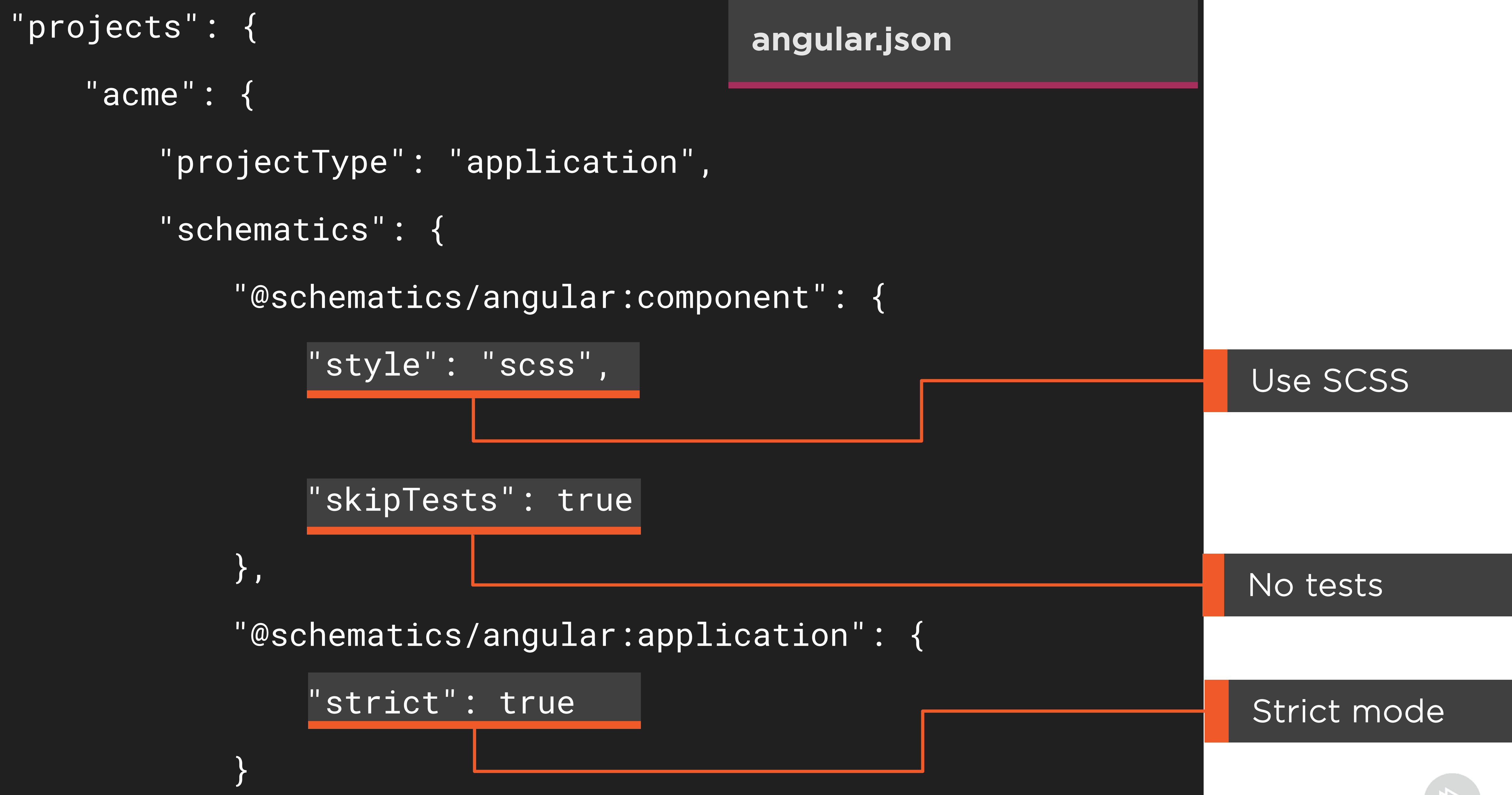
Options to Configure the CLI

ng new <some-flags>

Manually edit angular.json

ng config <jsonPath> <value>

angular.json



```
"projects": {
    "acme": {
        "projectType": "application",
        "schematics": {
            "@schematics/angular:component": {
                "style": "scss",

                "skipTests": true
            },
            "@schematics/angular:application": {
                "strict": true
            }
```

Use SCSS

No tests

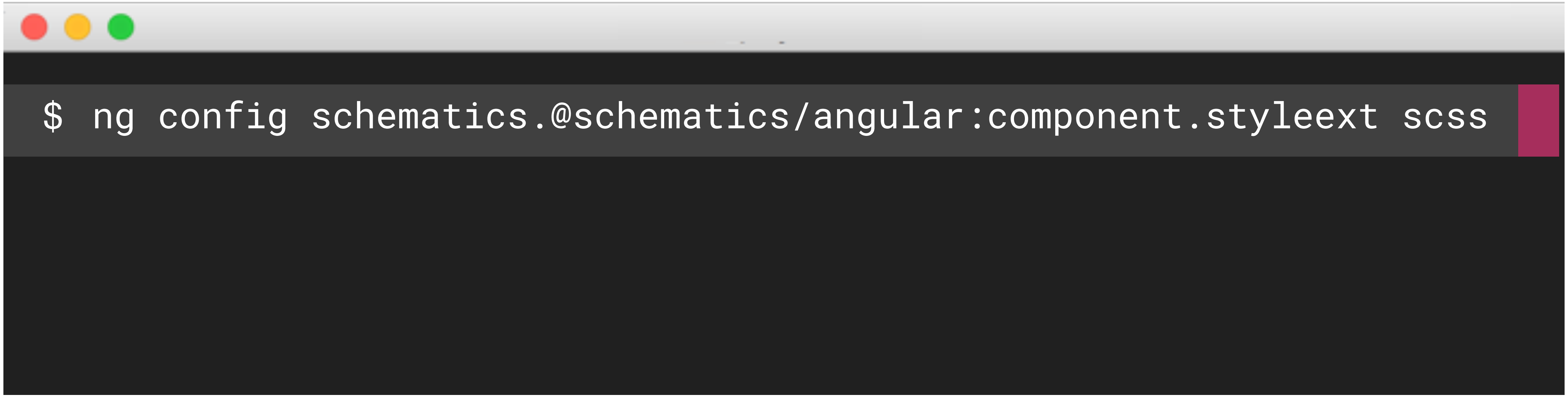
Strict mode

Setting the Angular CLI's Configuration

Use ng config

Indicate the json path

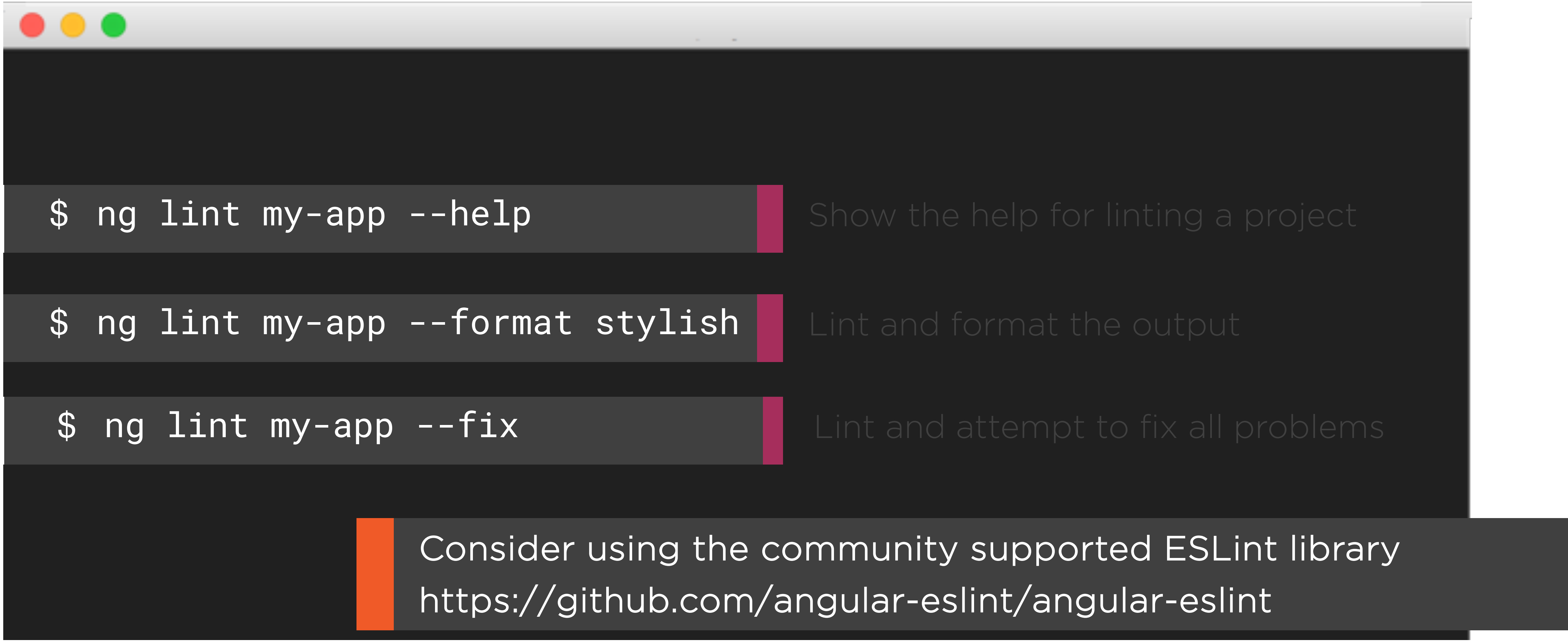
The --global (or -g) flag sets your global angular.json file



```
$ ng config schematics.@schematics/angular:component.styleext scss
```

Linting

Linting



```
$ ng lint my-app --help
```

Show the help for linting a project

```
$ ng lint my-app --format stylish
```

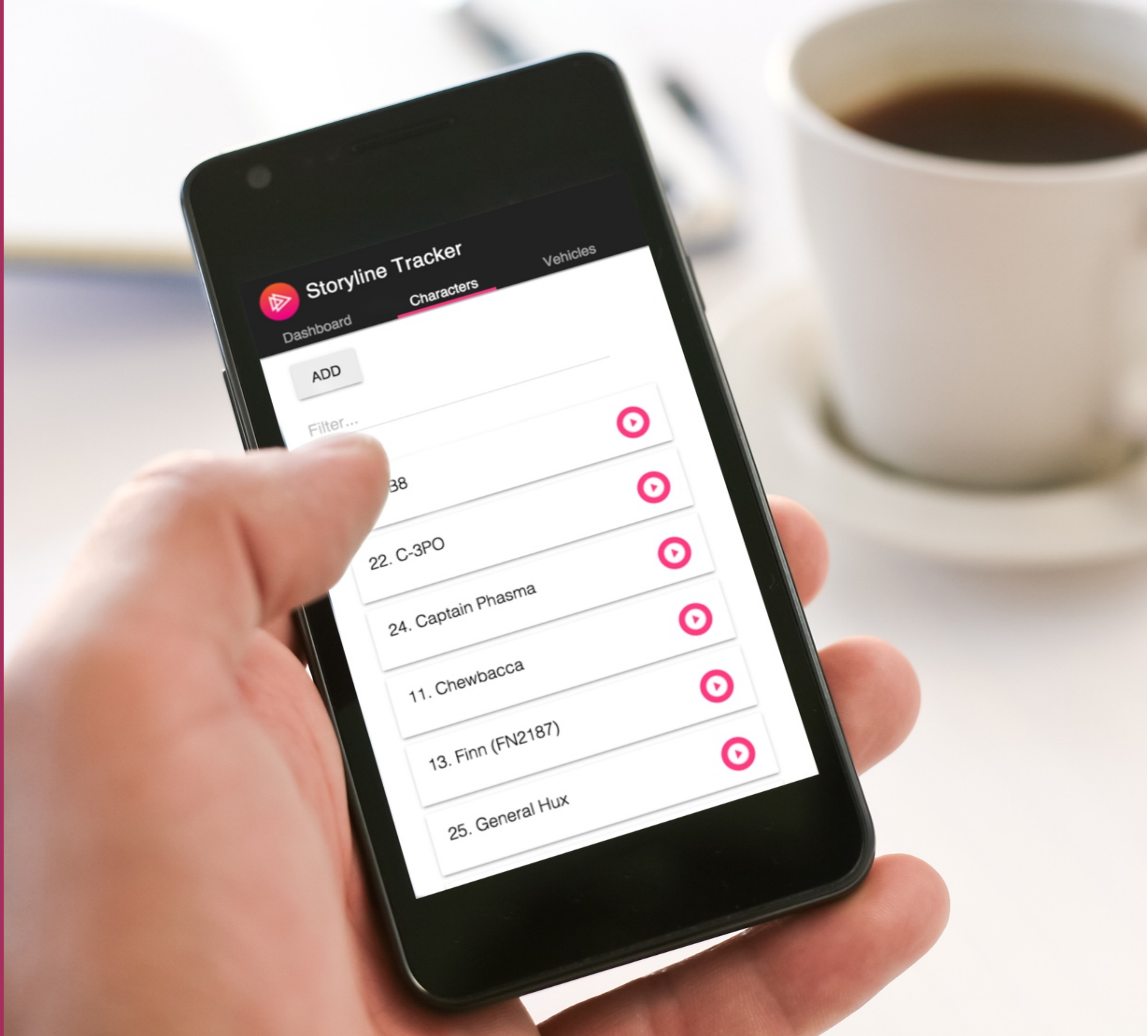
Lint and format the output

```
$ ng lint my-app --fix
```

Lint and attempt to fix all problems

Consider using the community supported ESLint library
https://github.com/angular-eslint/angular-eslint

Demo



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Generating Apps

ANGULAR CLI

Use the CLI flags when generating apps

Lean on ng new --help

Use the --dry-run flag to practice

Customize to your needs

Check and fix the code with ng lint