

Generating a New Angular Application



John Papa

PRINCIPAL DEVELOPER ADVOCATE

@john_papa www.johnpapa.net



Command Line Interface for building Angular applications



Generating Apps



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



Getting Help

Add the **--help** flag

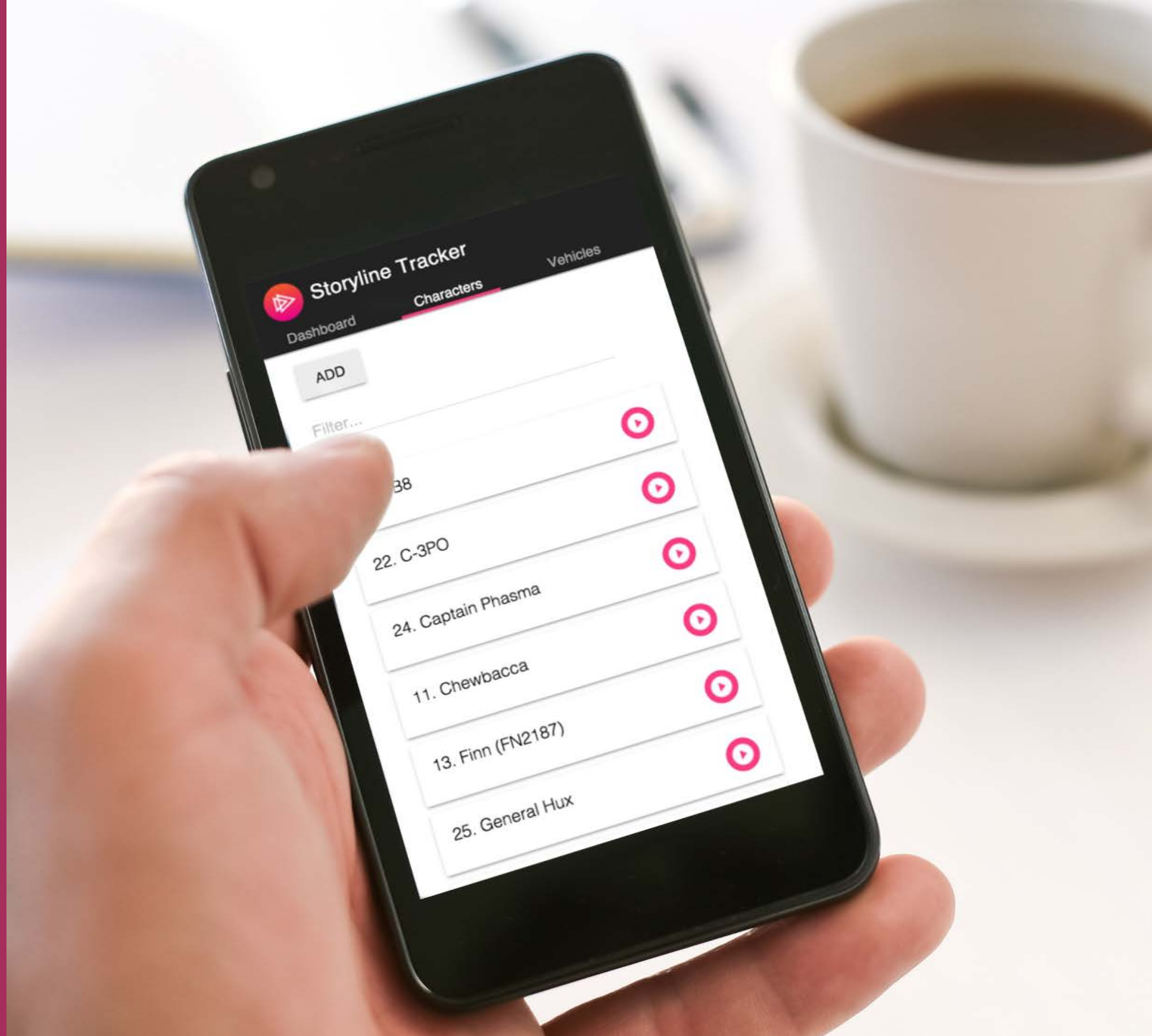
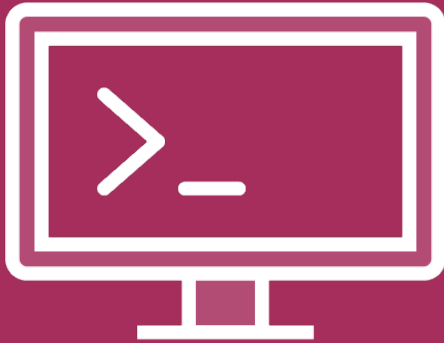
Reports the many options and their defaults



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

A terminal window with a dark background and a light gray title bar. The title bar has three colored window control buttons (red, yellow, green) on the left. The terminal displays the command `$ ng new --help` in white text.

Demo



Common App Generation Flags



```
$ ng new my-app --style scss
```

Styles should use SASS

```
$ --prefix ma
```

Set the default selector prefix

```
$ --skip-git
```

Don't add the project to git

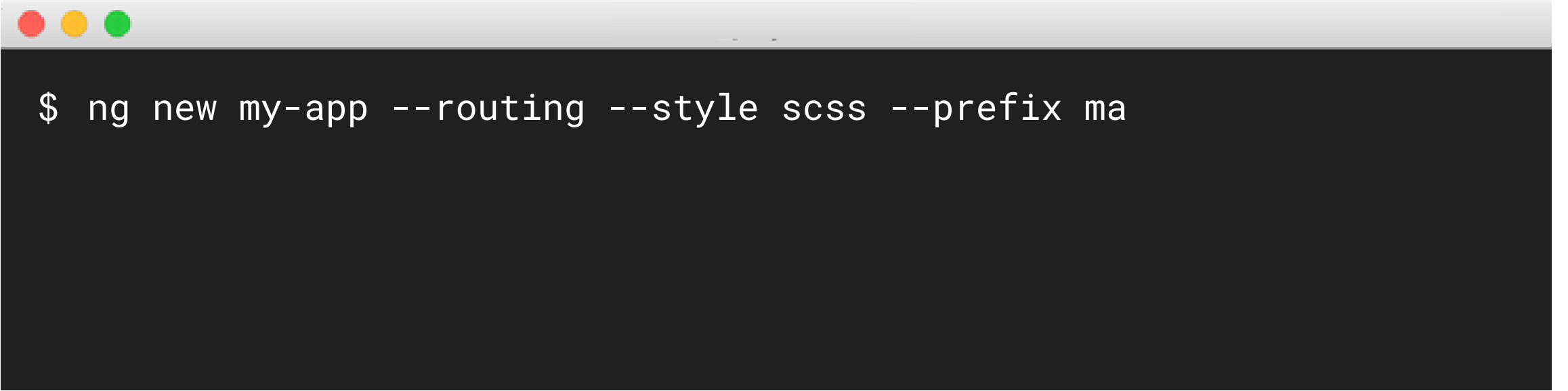
```
$ --skip-tests
```

Don't generate spec files

```
$ --routing
```

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-cli.json`



Tip

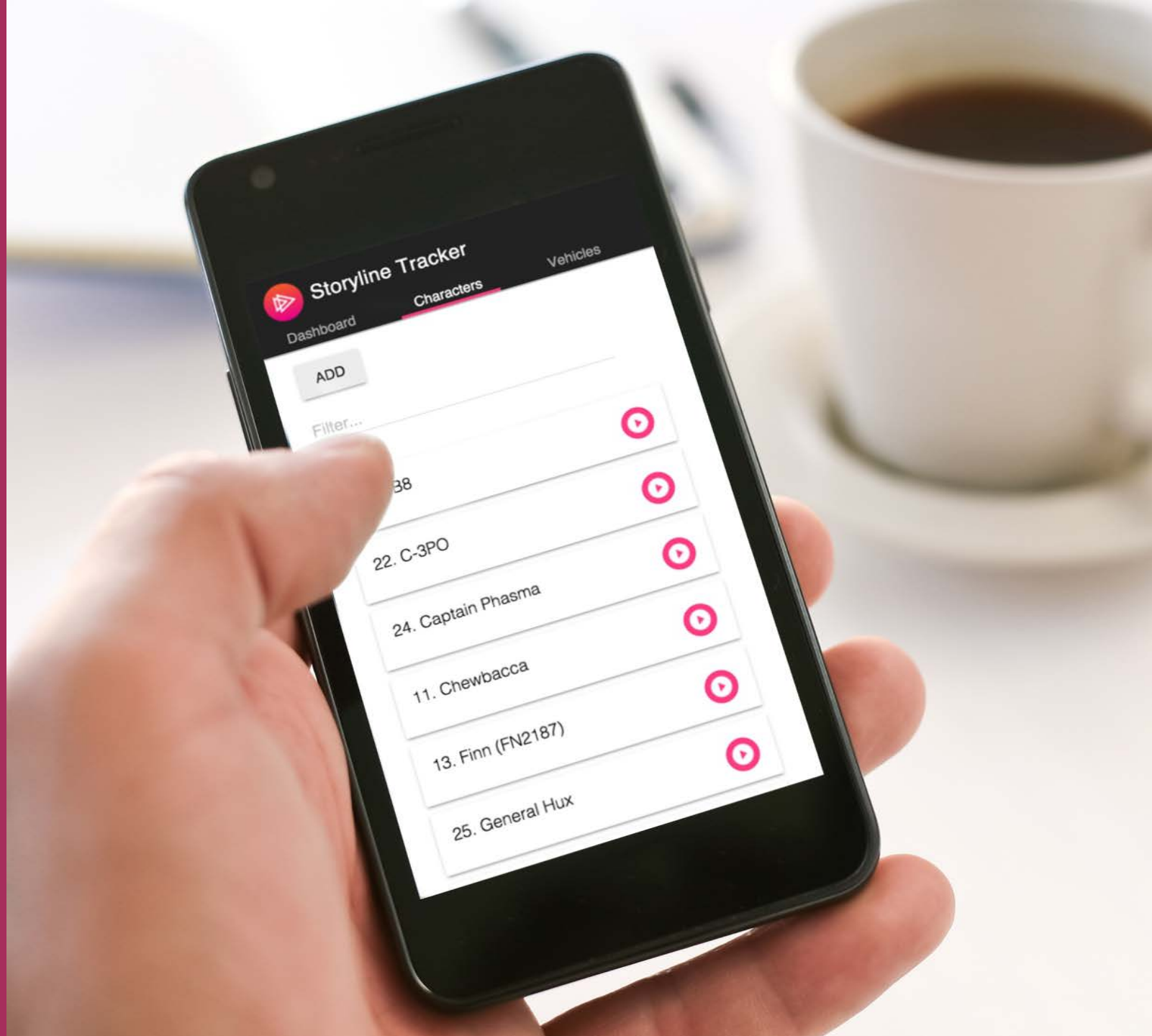
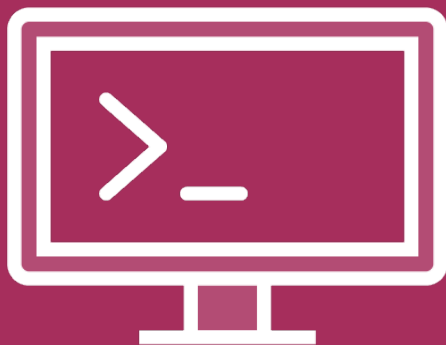
```
$ ng new my-app --routing  
--prefix ma  
--style scss  
--dry-run
```

Add routing
Set your prefix
Define your styles
Verify the file names

Remove when ready



Demo



Configuring the Angular CLI



Options to Configure the CLI

on

Manually edit `.angular-cli.json`

erty> <value>



`.angular-cli.json`

```
{  
  "apps": [  
    {  
      ...  
      "prefix": "ma",  
      ...  
    },  
    {  
      "styleExt": "scss",  
      "component": {}  
    }  
  ]  
}
```

`ng new --prefix ma`

`ng new --style scss`



Setting the Angular CLI's Configuration

Use **ng set**

Indicate the property hierarchy in the json file

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



```
$ ng set defaults.styleExt scss
```

Styles should use SASS

```
$ ng set defaults.styleExt scss -g
```

For all CLI projects



Linting



Linting



```
$ ng lint
```

Lint the TypeScript code

```
$ ng lint --help
```

Show the help for linting

```
$ ng lint --format stylish
```

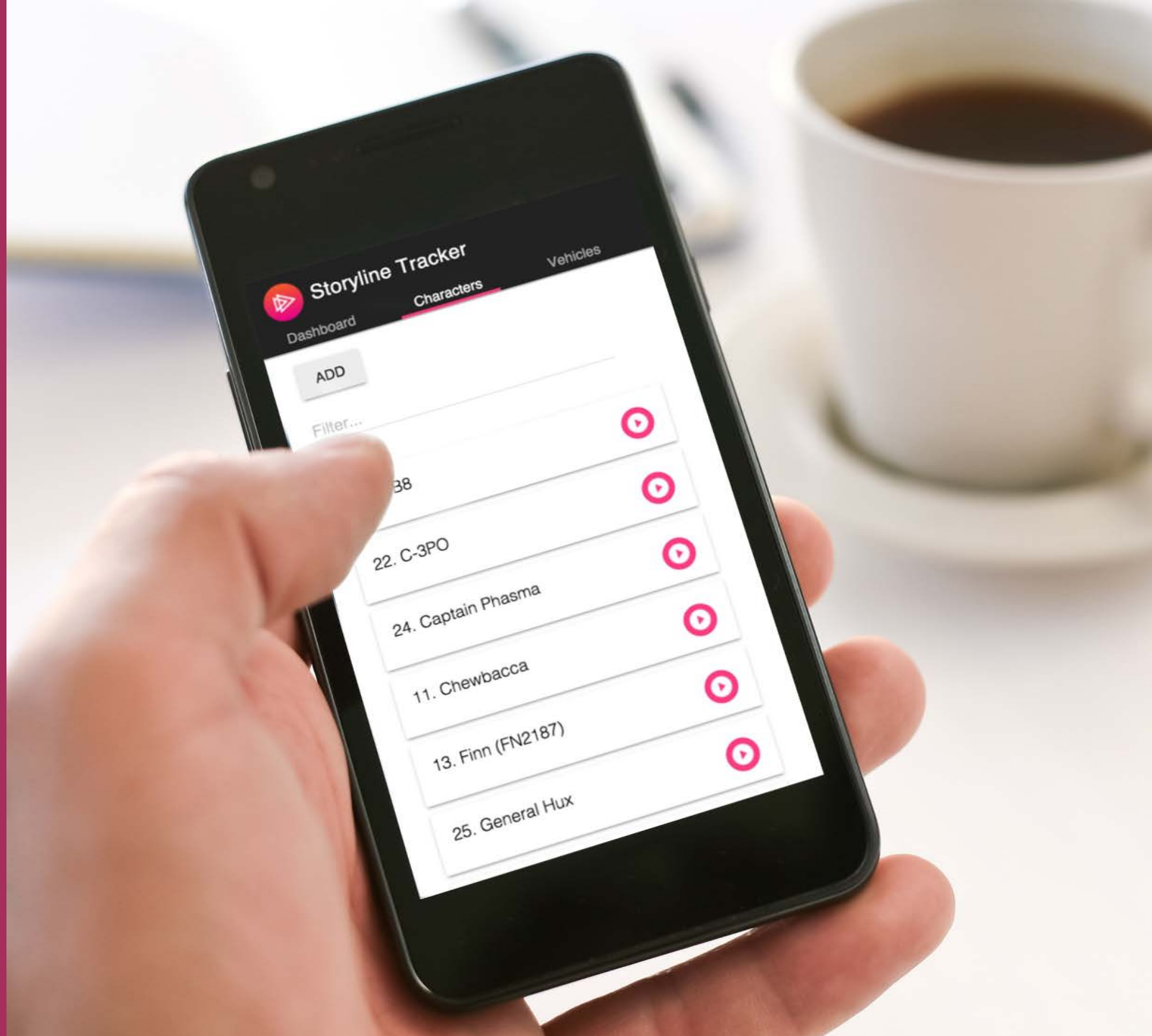
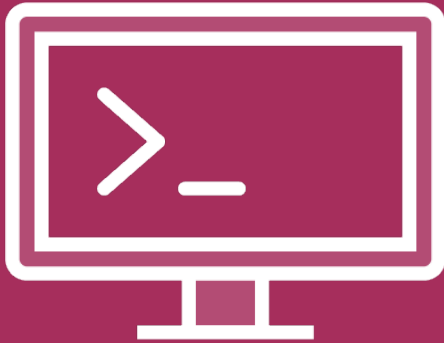
Lint and format the output

```
$ ng lint --fix
```

Lint and attempt to fix all problems



Demo



Generating Apps



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**

