

# Angular CLI

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## OVERVIEW



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The Angular CLI makes it easy to create an application that works and follows best practices, right out of the box.



# Looking Ahead



**Install and verify the Angular CLI**

**Creating a new application**

**Generating code from blueprints**

**Linting our code**

**Building an optimized app**

**Testing our app**



# Overview



What motivated its creation?

What are the benefits of the Angular CLI?

Can we take it for a test drive?



# Motivation

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Many ways to create an app  
Many seed projects  
Maintainability becomes difficult  
Conventions and style guides help



# What Makes Starting a New App Difficult?



Starting from a blank slate

Organizing the project structure

Following the style guide

Creating an optimized build (or any build)

Customizing according to team conventions

Configuring unit and end to end testing

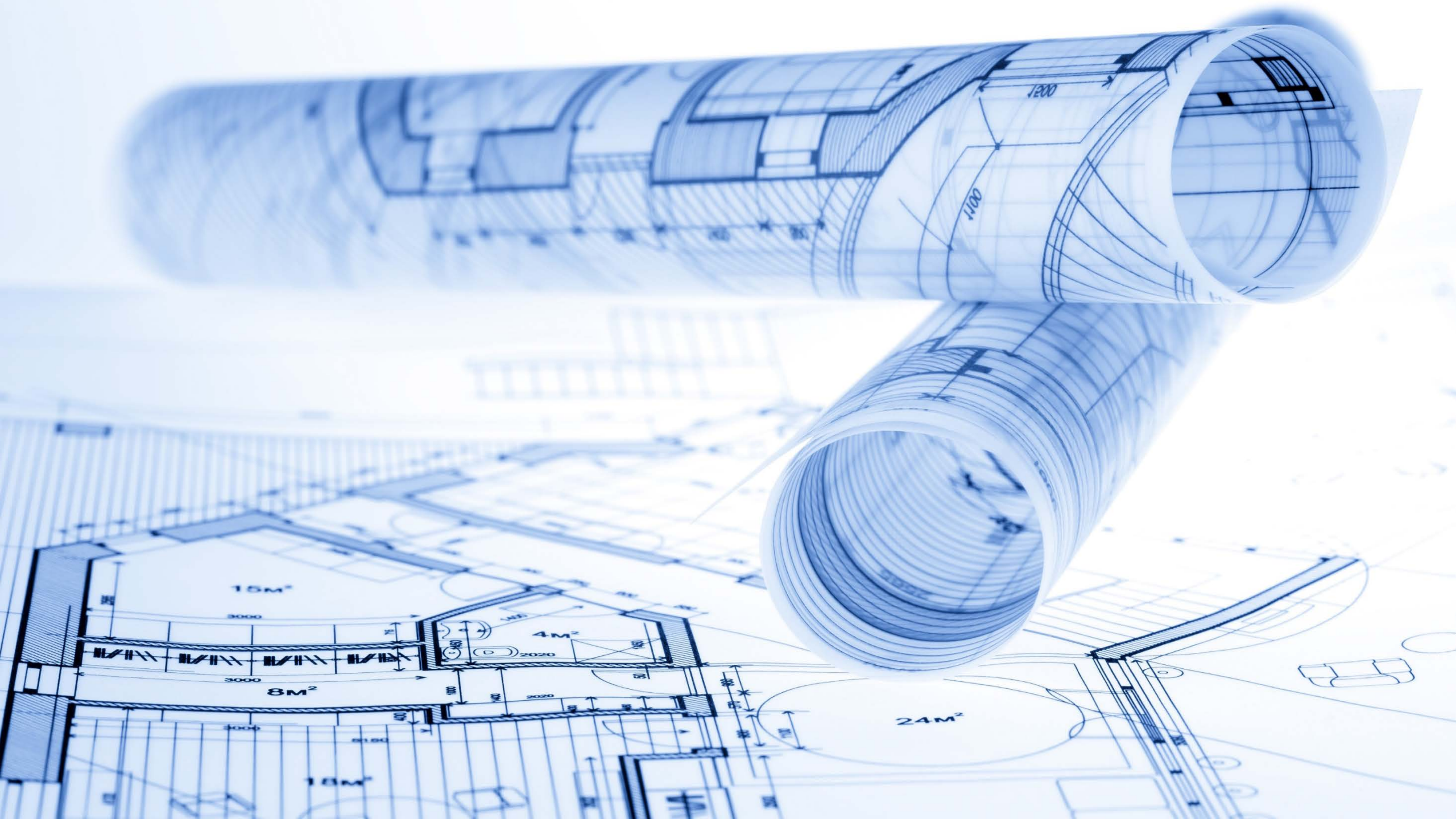


When the tooling handles the process, developers can focus on the users' needs





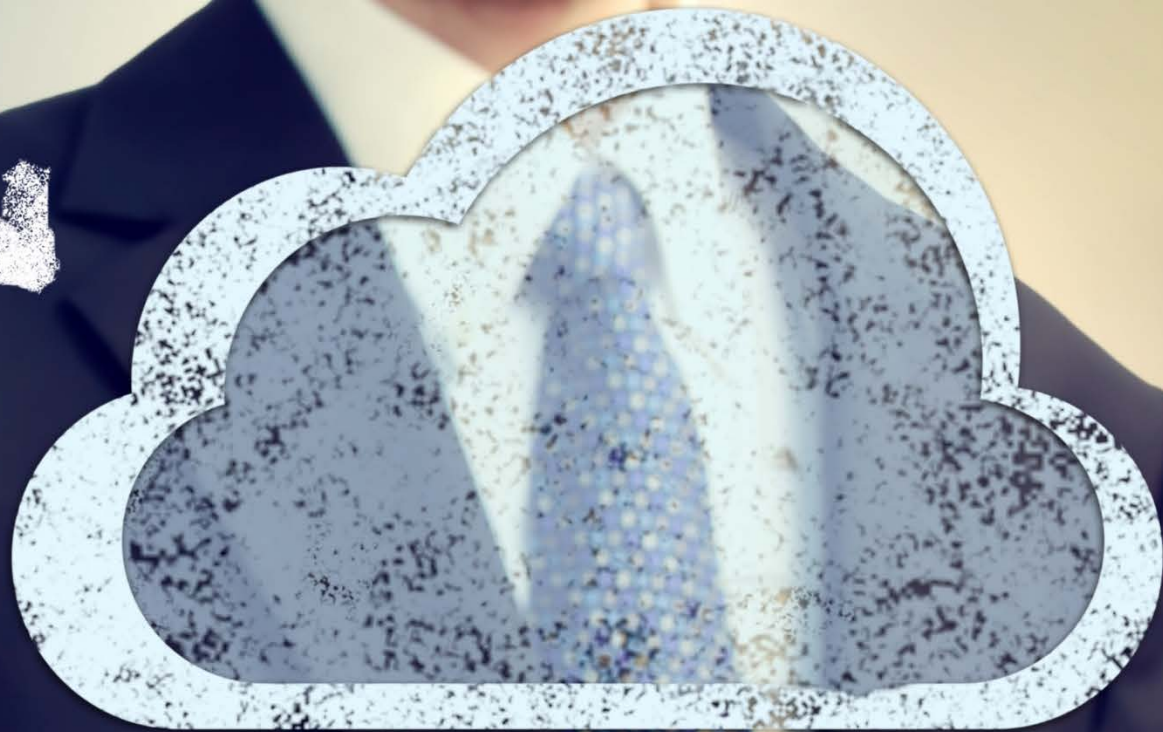
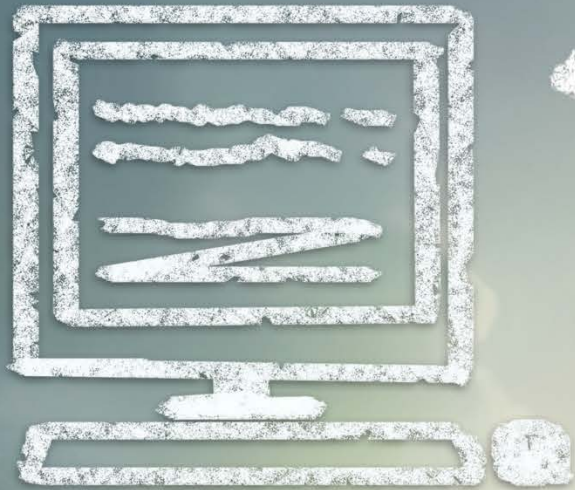
















# Sneak Peek Inside the Angular CLI

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# Installing the Angular CLI



```
$ npm install -g @angular/cli
```

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 shows the command `$ npm install -g @angular/cli` entered at the prompt. A vertical pink bar is positioned to the right of the command line.

Installed globally with npm





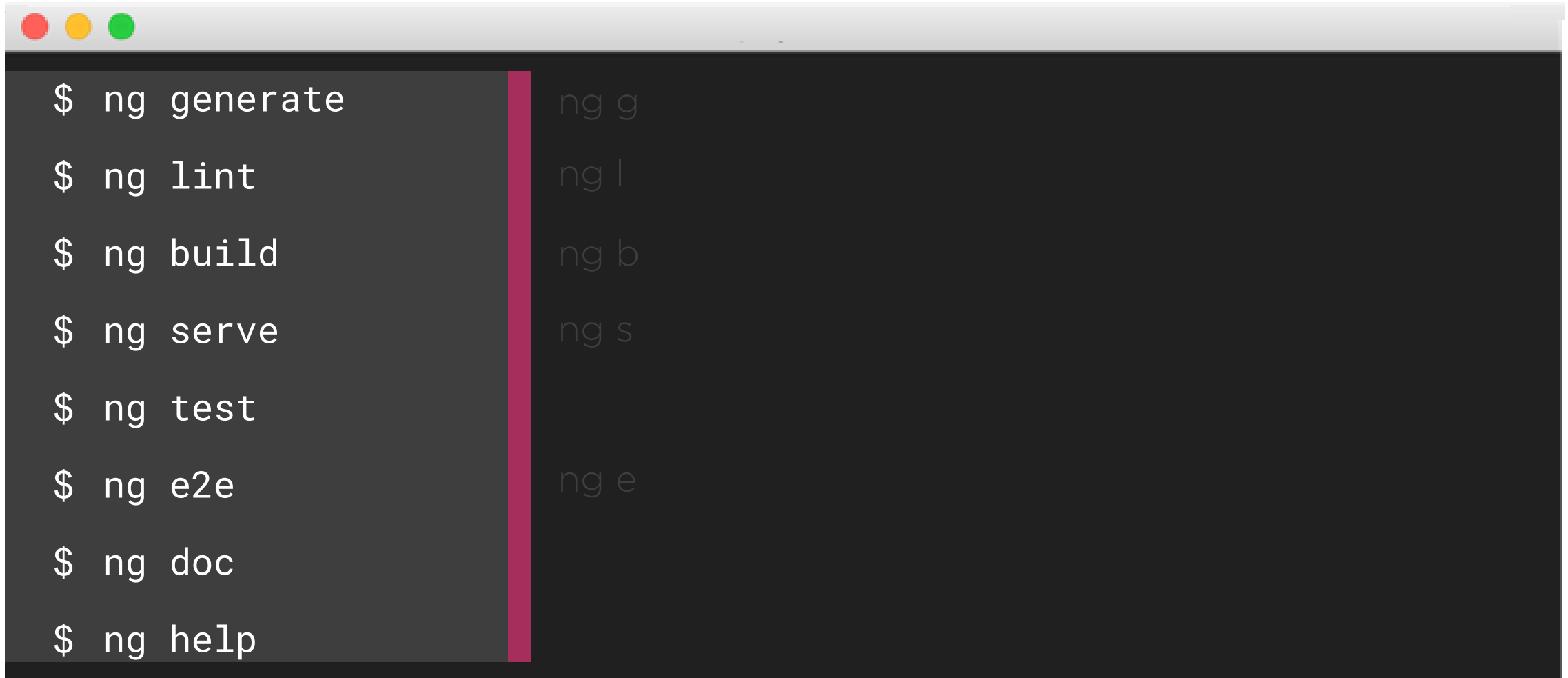
```
$ ng new customer-sales --routing --prefix cs
```

## Generating a New Application





# Angular CLI's Main Commands

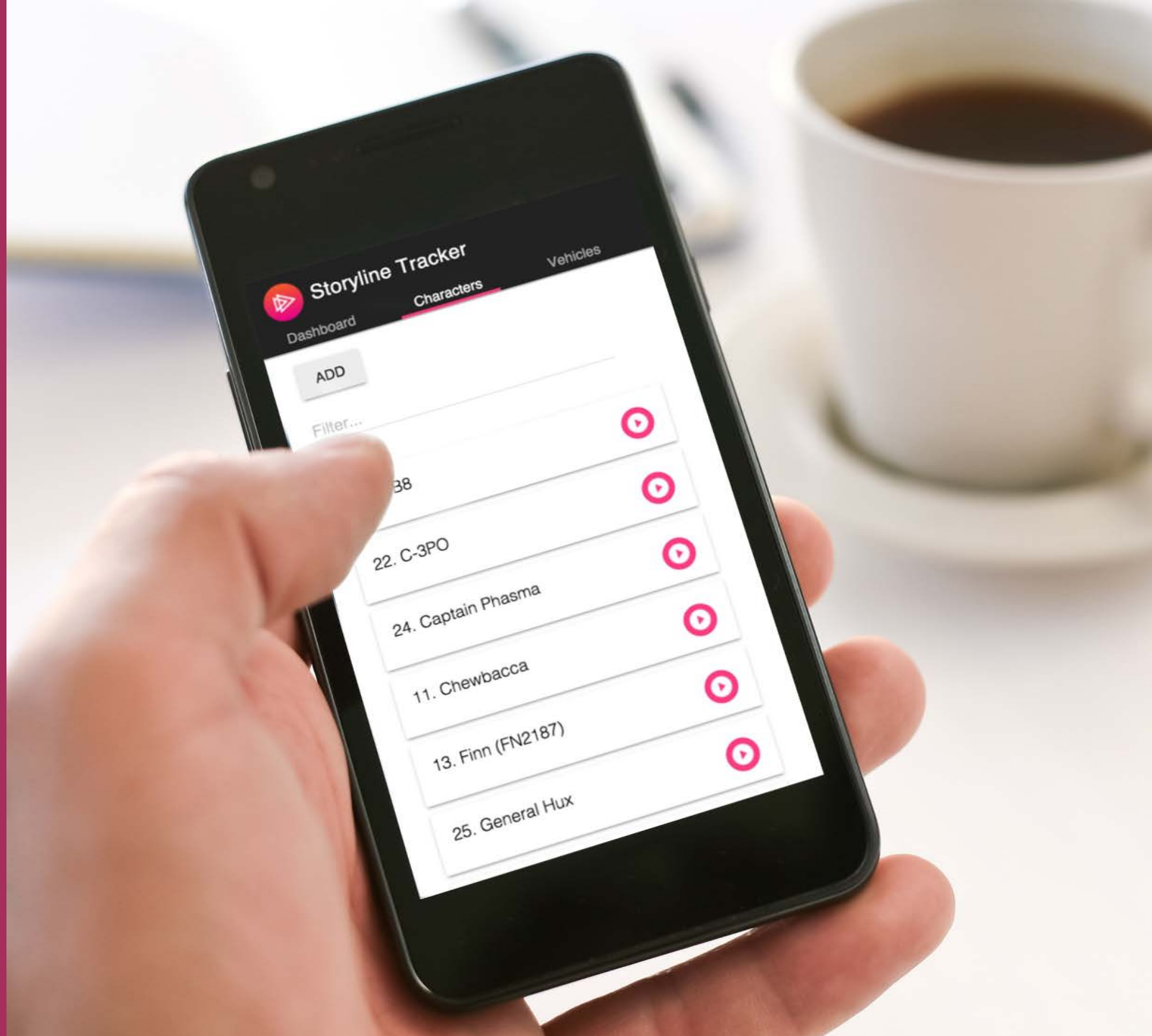
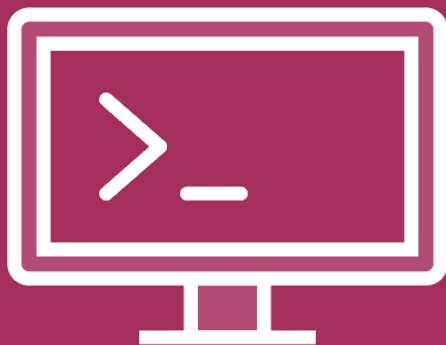


```
$ ng generate
$ ng lint
$ ng build
$ ng serve
$ ng test
$ ng e2e
$ ng doc
$ ng help
```

The image shows 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 content is a list of Angular CLI commands, each preceded by a dollar sign (\$). The commands are: `ng generate`, `ng lint`, `ng build`, `ng serve`, `ng test`, `ng e2e`, `ng doc`, and `ng help`. To the right of each full command, the abbreviated form of the command is shown in a lighter gray font: `ng g`, `ng l`, `ng b`, `ng s`, `ng t`, `ng e`, `ng d`, and `ng h`. A vertical pink line is positioned between the full and abbreviated command lists.



# Demo



# Test Driving the Angular CLI



```
$ ng new dream-app
```

```
$ cd dream-app
```

```
$ ng serve -o
```

Generate a new app and serve it



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