

Angular CLI

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



Many ways to create an app

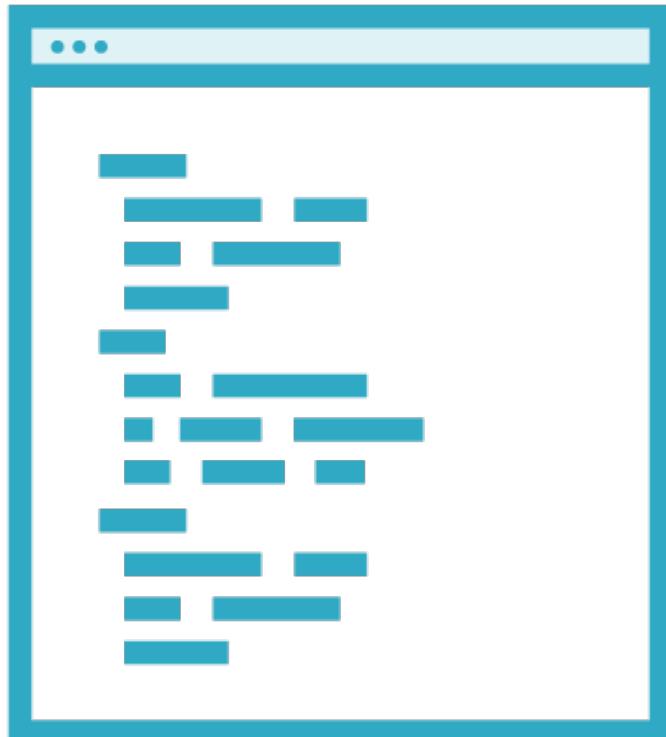
Many seed projects

Maintainability becomes difficult

Conventions and style guides help



What Makes Starting a New App Difficult?



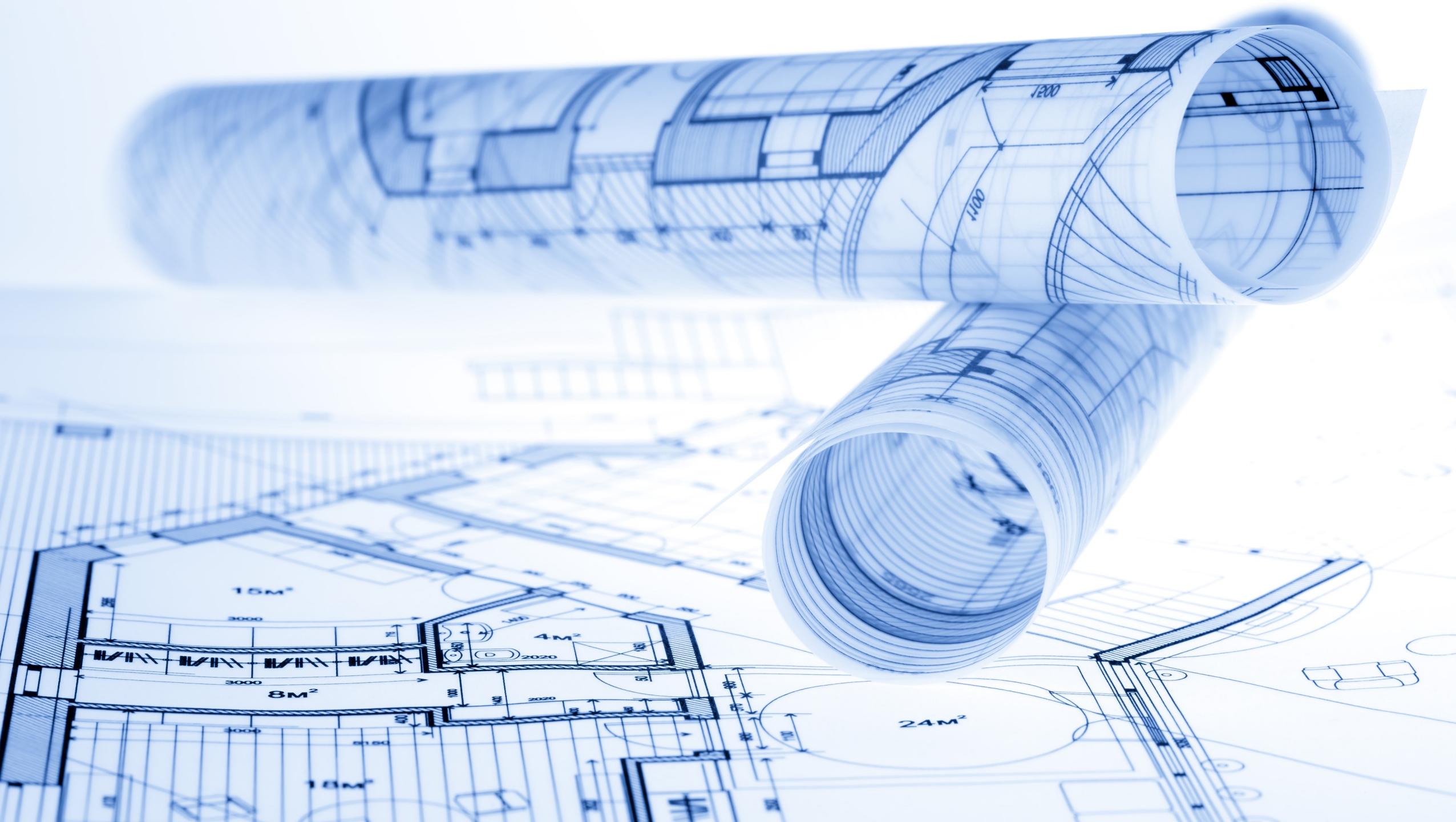
- Starting from a blank slate
- Organizing the project structure
- Following the style guide
- Creating an optimized build (or any build)
- Customizing according to team conventions
- Configuring unit and end to end testing



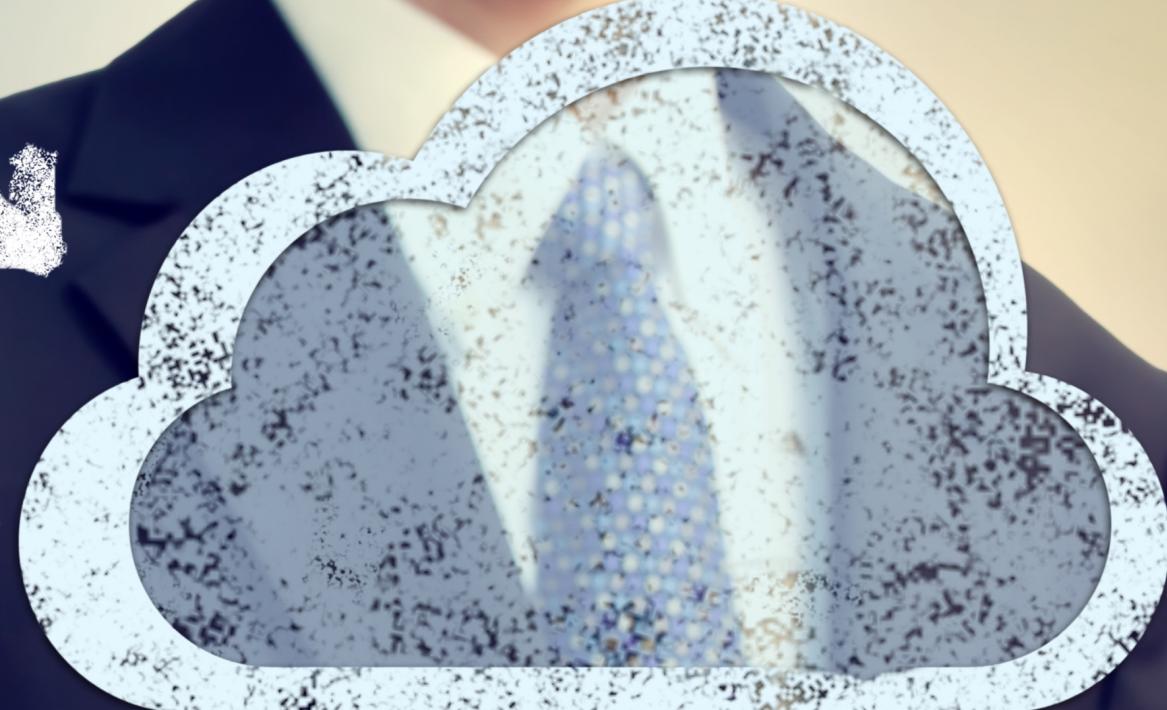
When the tooling handles the process, developers can focus on the users' needs









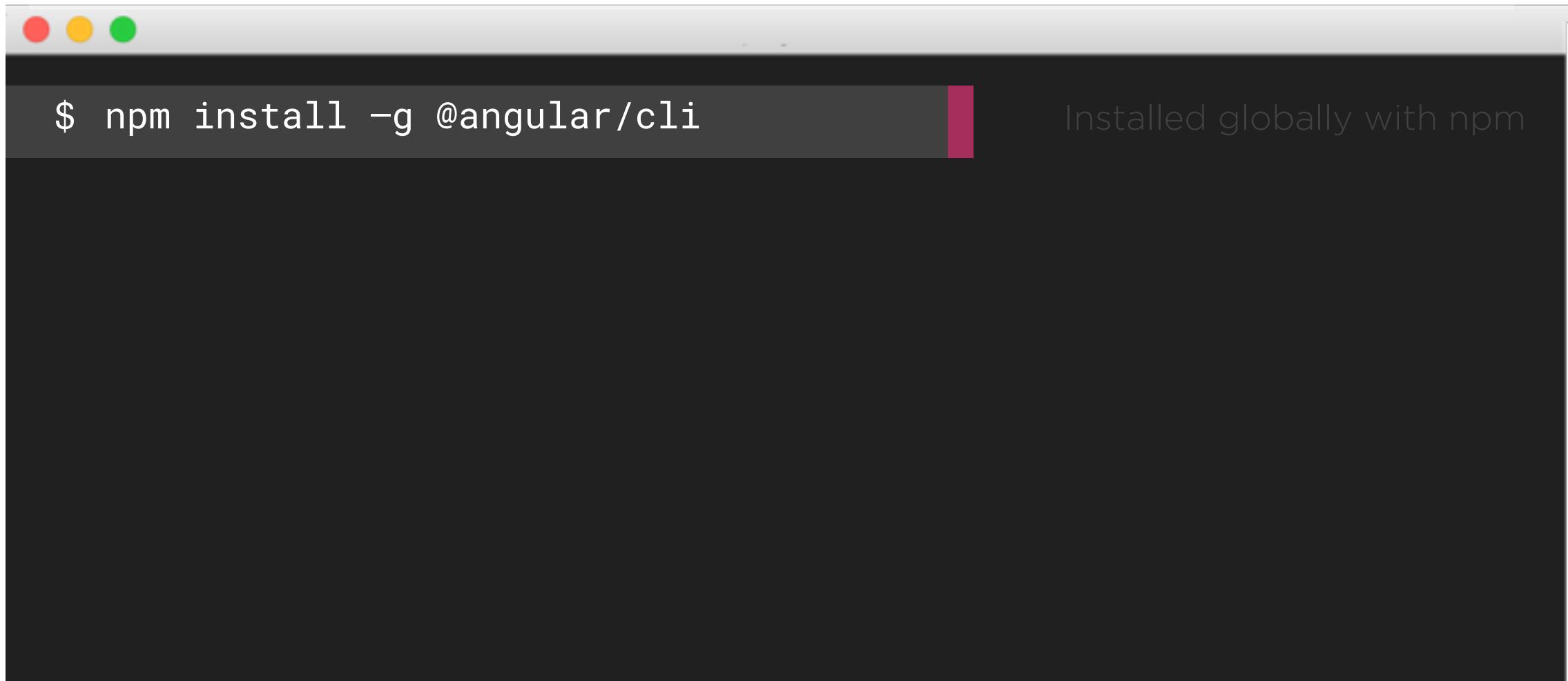




Sneak Peek Inside the Angular CLI



Installing the Angular CLI



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

Installed globally with npm



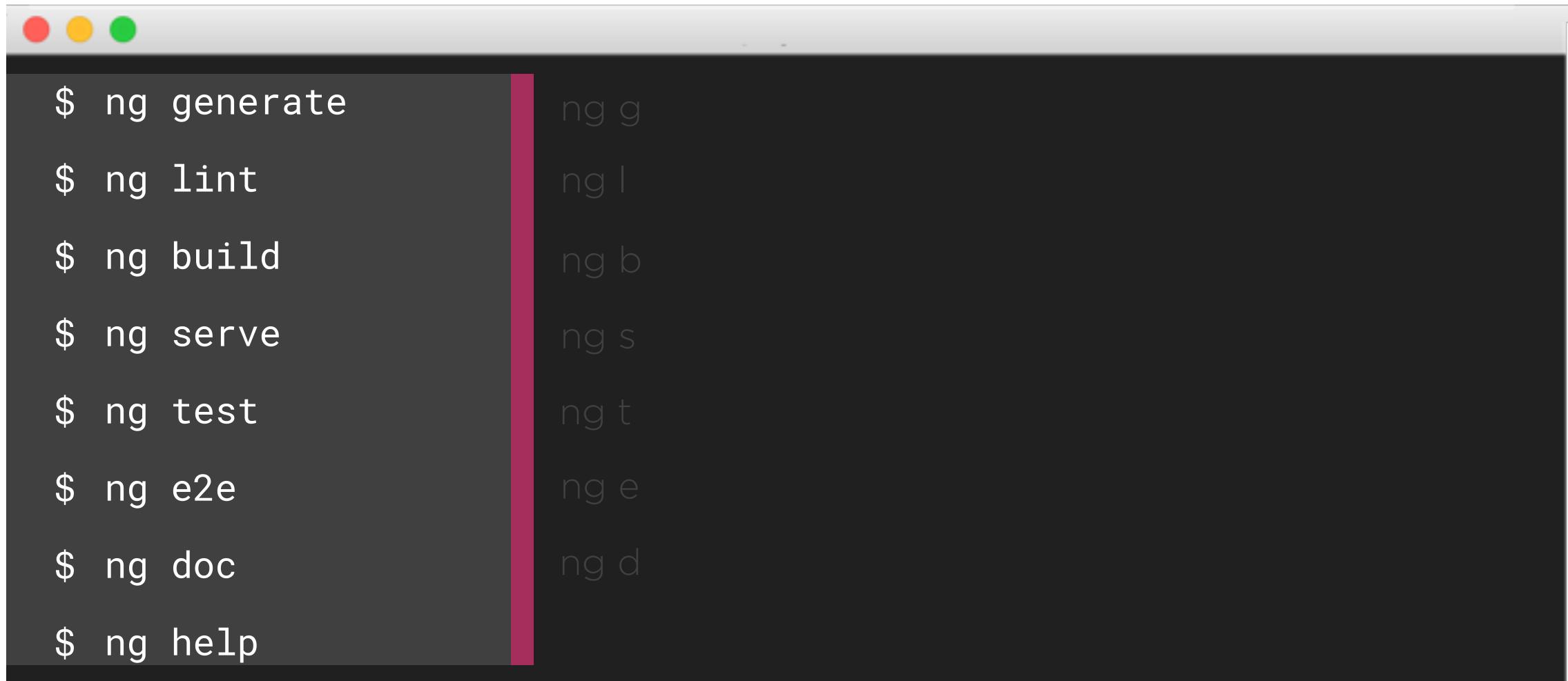


```
$ ng new customer-sales --defaults
```

Generating a New Application



Angular CLI's Main Commands



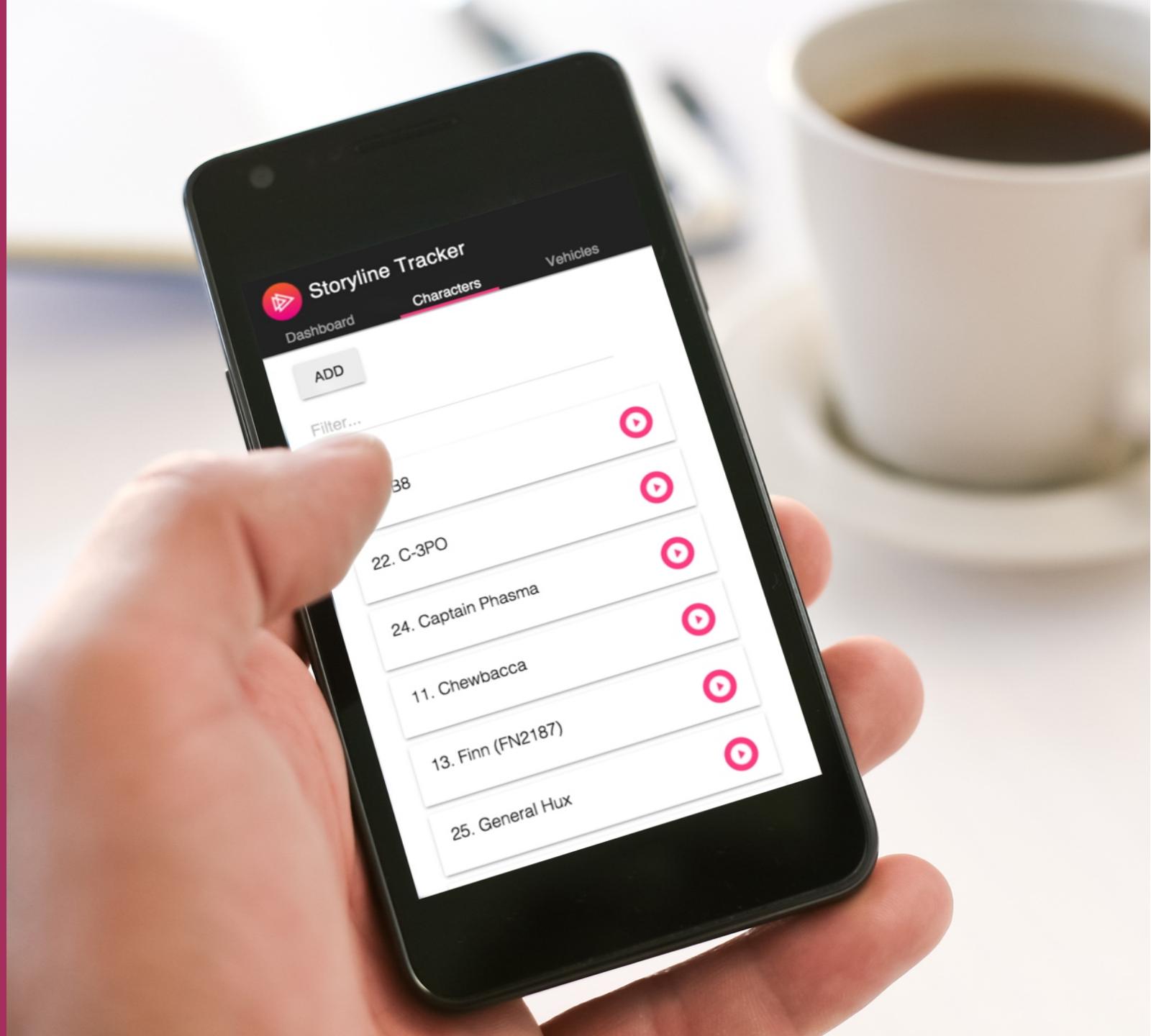
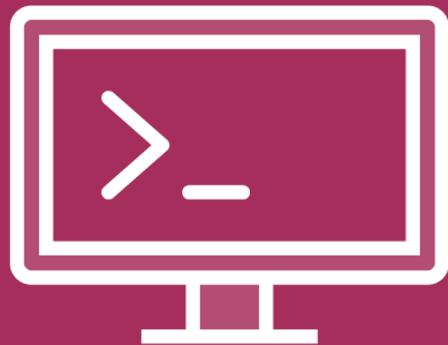
A screenshot of a terminal window on a Mac OS X system, indicated by the red, yellow, and green window control buttons at the top. The terminal has a dark background and displays a list of Angular CLI commands. A vertical red bar is positioned on the right side of the list. The commands listed are:

- \$ ng generate
- \$ ng lint
- \$ ng build
- \$ ng serve
- \$ ng test
- \$ ng e2e
- \$ ng doc
- \$ ng help

The command \$ ng generate is currently being typed, as evidenced by the cursor position and the partial command 'ng g' visible on the right.



Demo



Test Driving the Angular CLI

The screenshot shows a terminal window with a dark background and light-colored text. At the top, there are three small colored circles (red, yellow, green) typically used for window control buttons. The terminal displays the following command sequence:

```
$ ng new dream-app  
$ cd dream-app  
$ ng serve -o
```

On the right side of the terminal, there is a large, semi-transparent watermark or callout box with a pink vertical bar on its left edge. The text inside the box reads "Generate a new app and serve it".



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