

# Generating Routing Features

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# Routing



**Adding routing features**

**Considerations before generating a module**

**Routing paths to components**

**Generating guards**



# The NgModule Blueprint with Routing

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# NgModules and Routing

Generate a new NgModule with **ng g module <name> <options>**

Define a module and a separate routing module with **--routing**



```
$ ng g module admin
```

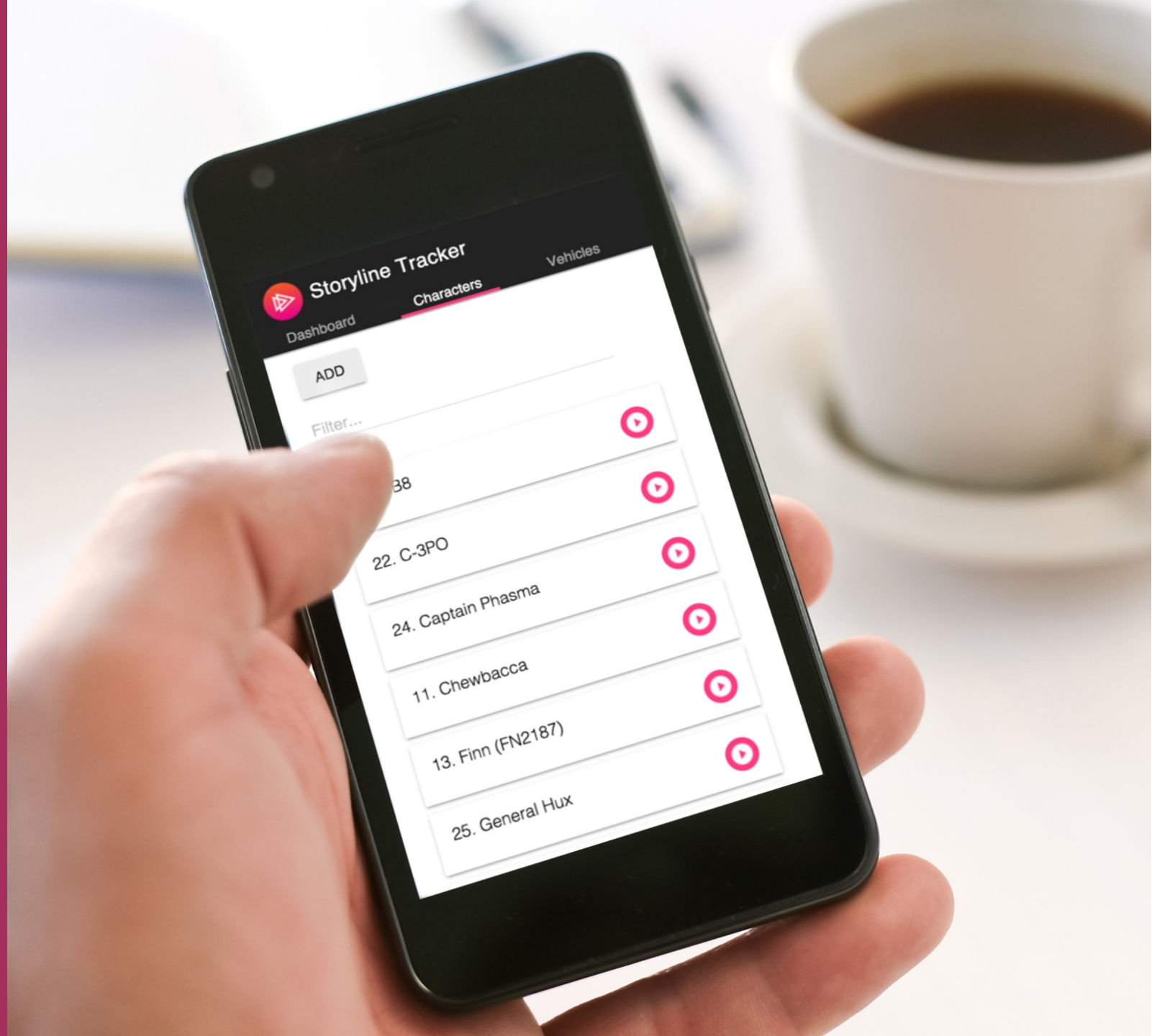
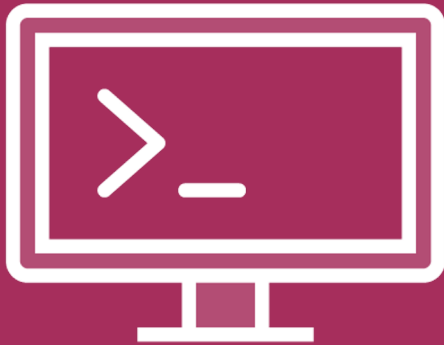
Generate admin.module.ts

```
$ ng g m sales --routing
```

sales.module.ts & sales-routing.module.ts



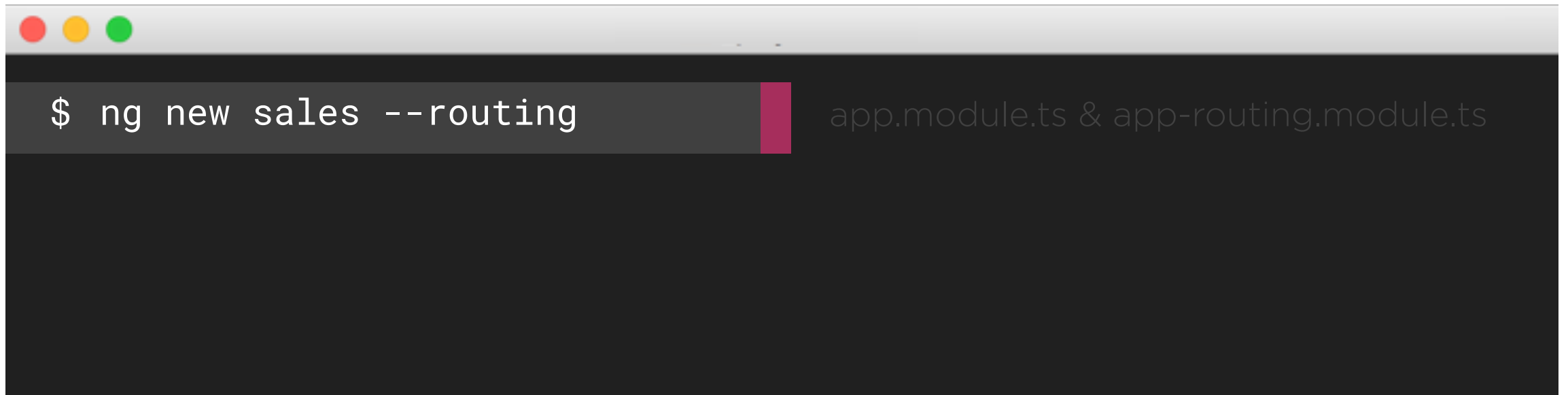
# Demo



# Generating an App with Routing Features

Generate a new NgModule with **ng new <app-name> <options>**

Define a separate routing module for the new app with **--routing**



```
$ ng new sales --routing
```

app.module.ts & app-routing.module.ts



# Guards

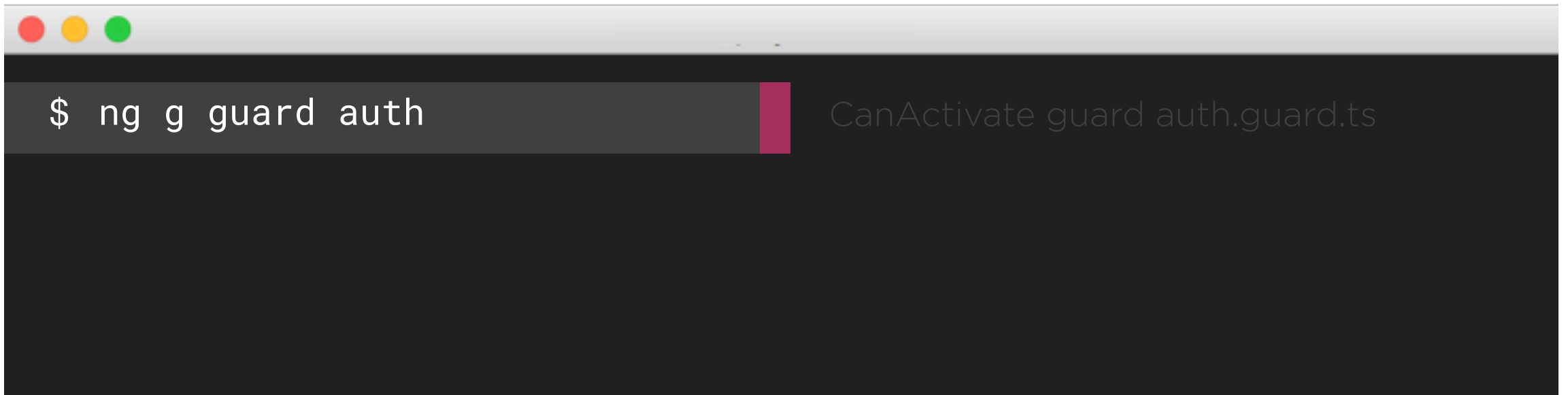
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# Guards

Generate a guard for routes

**ng g guard <name>**



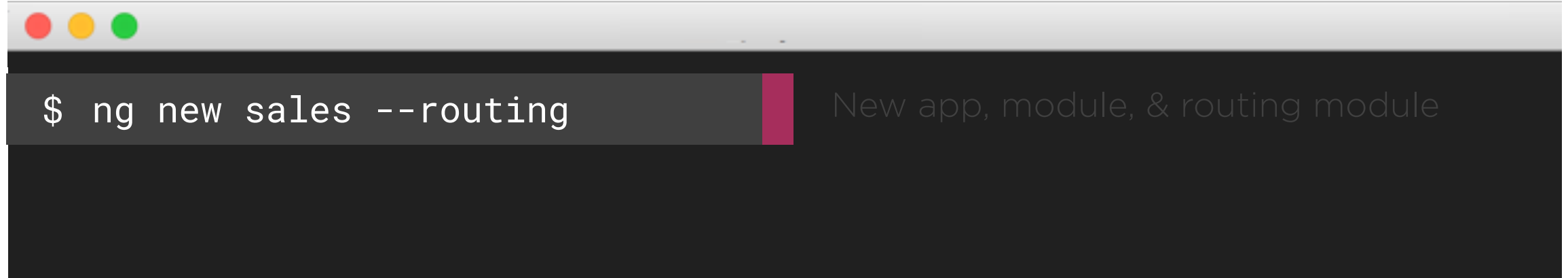
```
$ ng g guard auth
```

CanActivate guard auth.guard.ts





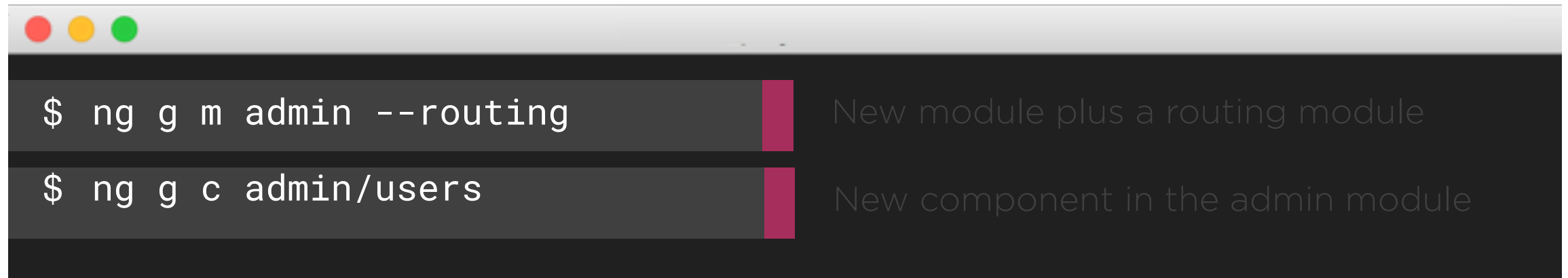
# Adding Routing Features with the Angular CLI



```
$ ng new sales --routing
```

New app, module, & routing module

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 a command prompt followed by the command 'ng new sales --routing'. To the right of the command, there is a description: 'New app, module, & routing module'.



```
$ ng g m admin --routing
```

New module plus a routing module

```
$ ng g c admin/users
```

New component in the admin module

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 two commands. The first command is 'ng g m admin --routing' with the description 'New module plus a routing module'. The second command is 'ng g c admin/users' with the description 'New component in the admin module'.



# Routing



Consider if you want routing before generating app or module

Add route paths and links

Add guards to be evaluated with routes

