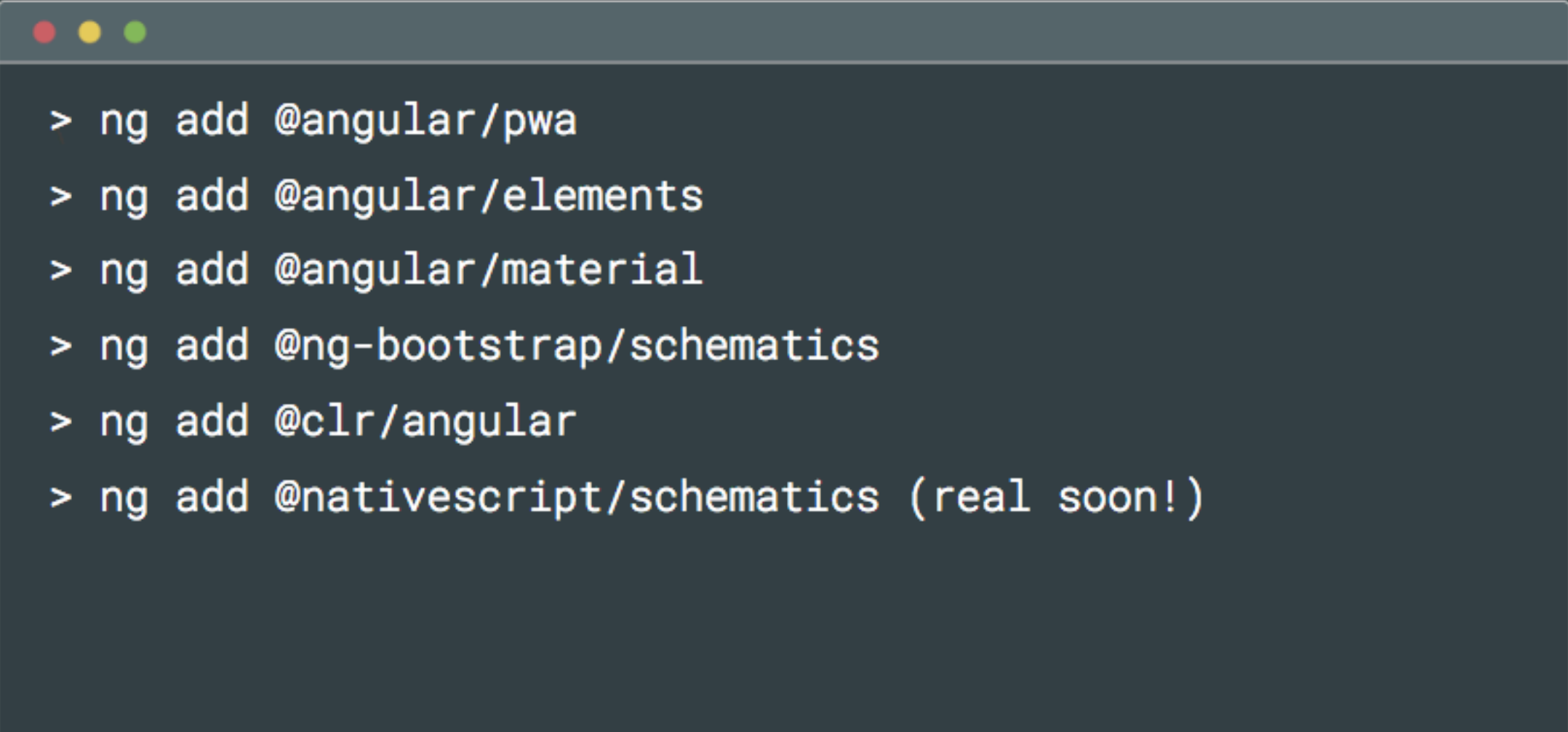


Using 'ng add'



```
> ng add @angular/pwa  
> ng add @angular/elements  
> ng add @angular/material  
> ng add @ng-bootstrap/schematics  
> ng add @clr/angular  
> ng add @nativescript/schematics (real soon!)
```

Security

Things to keep an eye out for:

- #1 security is to keep application up-to-date
 - nsp (npm package) - checks for vulnerabilities
- #2 Package hacking
 - installing from npm = allowing others to run code on the code base
 - people tend to be too trusting of open source
 - cross-env vs. crossenv
 - solutions:
 - @scope/package-name = only allows people to load who own the name
 - package-name now also covers “packagename” and “package.name”

Schematics

Schematics allow you to “do things” to your project.

- update = single command to update dependencies
 - *ng update = npm, code, RxJS, Material*
- add = instant code and library scaffolding
 - Material, Elements, PWA, bootstrap, clarity, nativescript
 - *ng add @angular/pwa = does all the setup.*
- generate = Per-library 'generate' schematics
 - *ng generate @angular/material:material-nav --name=main-nav*

Vendors and Us can publish our own schematics.
Goal is to make universal libraries easier to build:
project scaffolding, test, build system. N

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