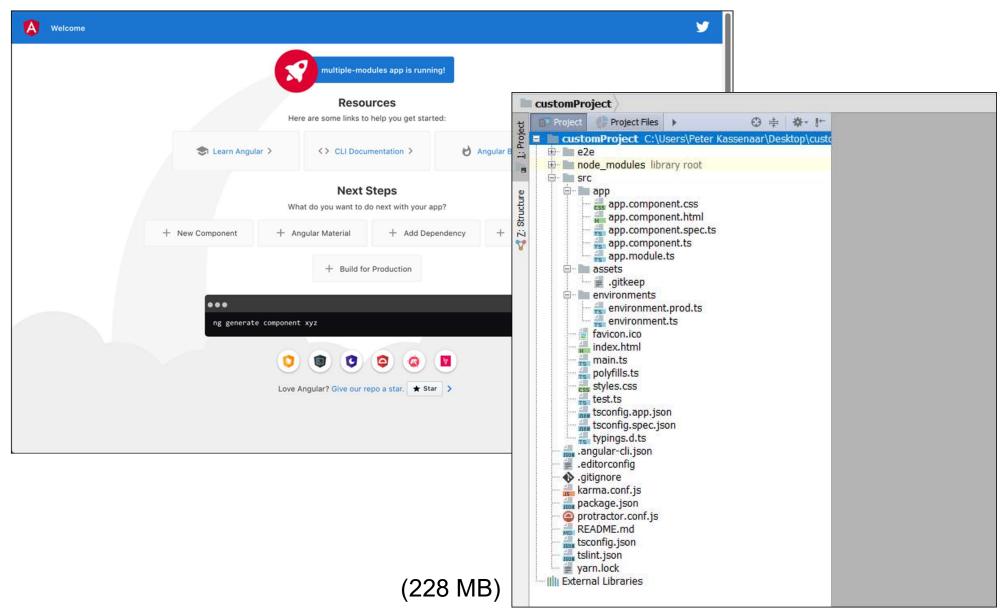




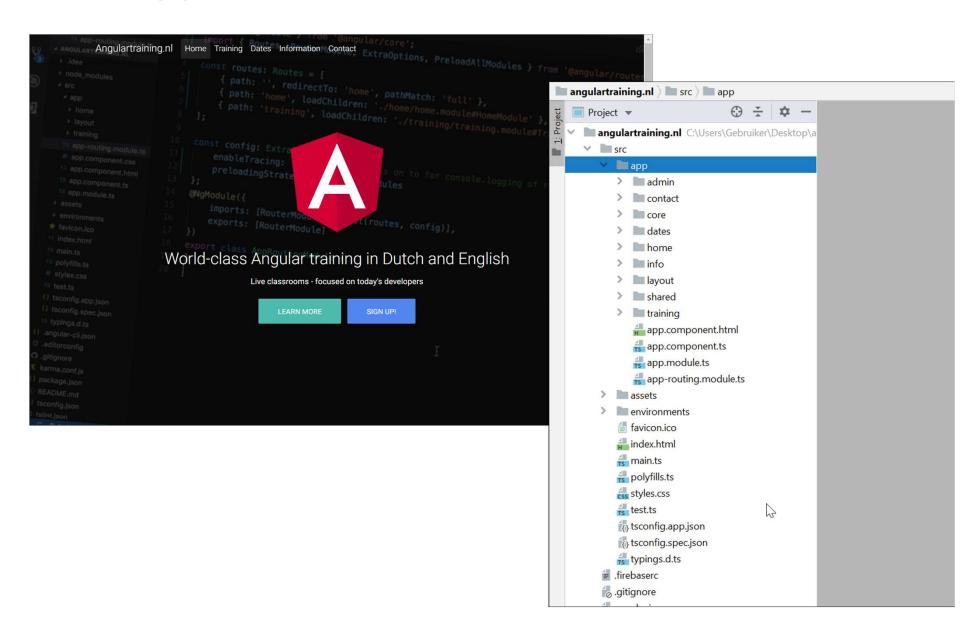
# Multiple modules

Splitting your application into separate, reusable modules

# **Default application – 1 module**



# Bigger applications – multiple modules



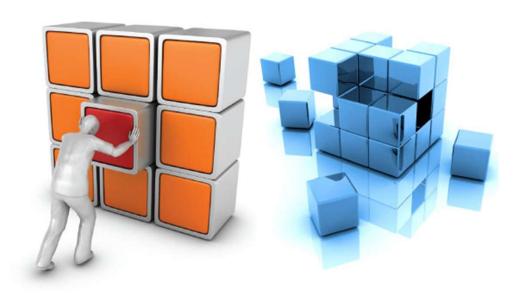
#### **Angular Modules**

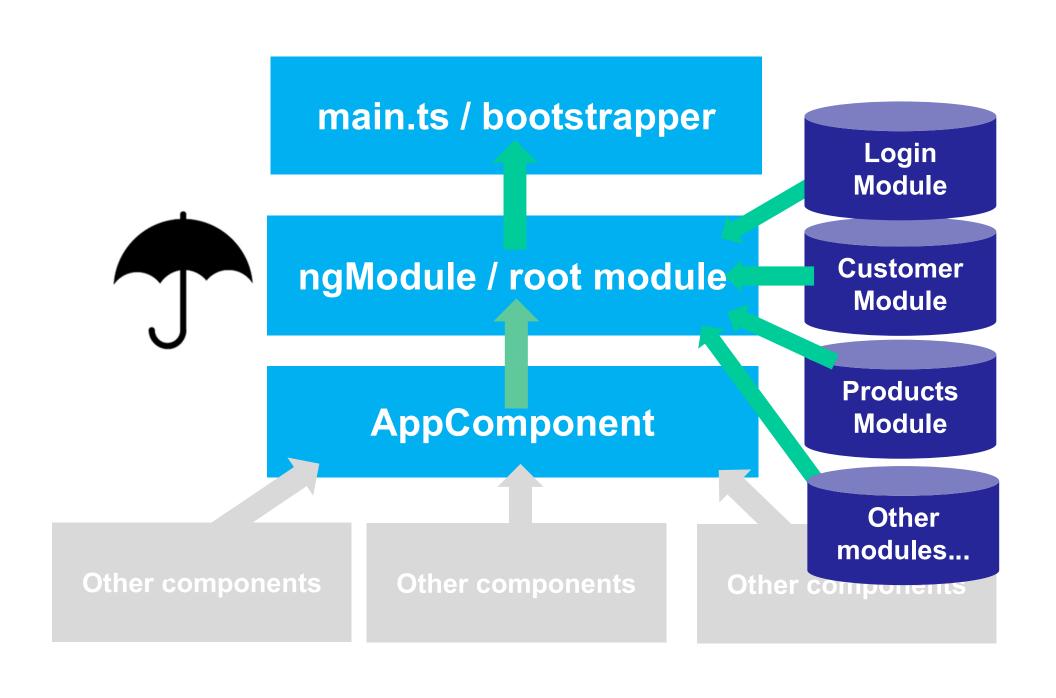
- Divide your app into *logical* and often *reusable* pieces of code
- Keyword : code organization

- Use one AppModule the root of your app
- Use one CoreModule containing all singletons in your app
- Use one SharedModule containing all shared resources,
  possible multiple instances
- Use additional modules *per feature*
- https://www.youtube.com/watch?v=YxK4UW4UfCk

# **Application – multiple Modules – why?**

- Reuse of Components, Pipes, Routes and Services etc. over different apps
- Wrap each set of logical related components, services, etc. in its own module.





#### **Steps**

- 1. Create a new module
  - Optional: test first with --dry-run
  - ng generate module customers --dry-run
- 2. Create component(s) inside that module
  - Again: test first with --dry-run
  - ng generate component customers --module customers --dry-run
- 3. Apply UI, logic, etc. to your component
- 4. Export your component inside customer.module.ts
  - exports : [CustomerComponent],
  - Otherwise it can't be used in other components!
- 5. Provide new module to app.module.ts
  - imports: [CustomerModule]

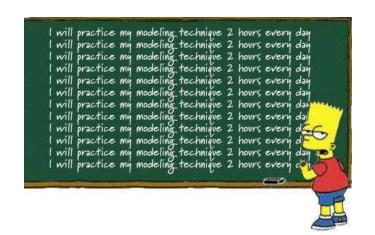
# **Optional: SharedModule**

- Reuse components in multiple modules? Use a SharedModule
  - ng g m shared shorthand notation
- Create components inside SharedModule
- Import SharedModule in other modules
- It doesn't have to be in AppModule if you don't use it directly!
- It does not add size to module bundles

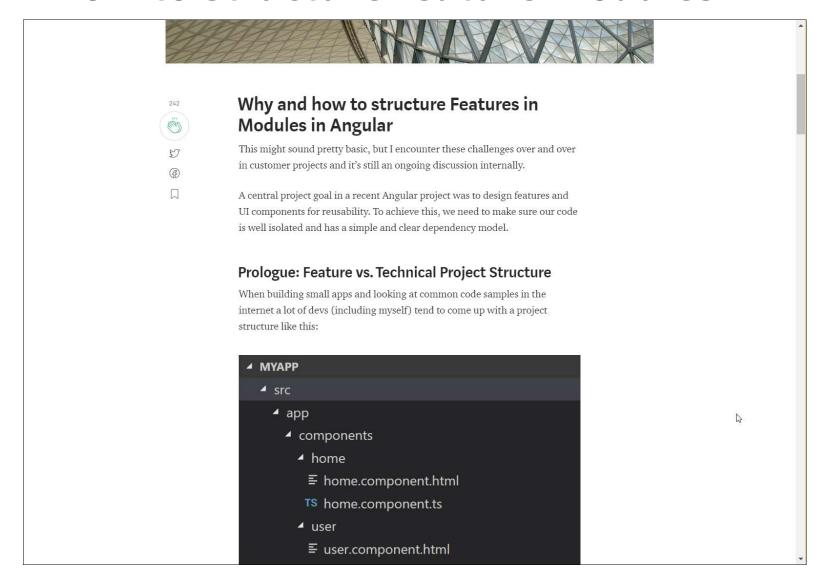


#### Workshop

- Open ../100-multiple modules.
- Create a new module
- Create a new component inside this new module and give it some UI.
- Include the module in the Main Module and show it besides other modules
- Include the Search Component in your own module
- OR:
- Add Multiple Modules from scratch to your own application, using the steps described in this module.



#### How to structure feature modules



https://medium.com/@philippbauknecht/why-and-how-to-structure-features-in-modules-in-angular-d5602c6436be