

- ___ The template. Where is the template that component points to? _____
- ___ The class in that file
- ___ A property in that class
- ___ Where it is displayed in the template (Hint: Interpolation).

When you've located all these things, you should have a good idea of how they all fit together. But don't worry if you don't, we'll cover all that in later chapters.

TypeScript Lab

Making our business classes

We're going to be working with products, orders, and customers so it might be safer to create business classes to define the shape of the objects we'll be working with. We'll start by putting them in a shared folder.

1. Create a new folder under *src/app* called the *shared* folder.
2. In it, create five new files called *customer.ts*, *location.ts*, *order.ts*, *orderLine.ts*, and *product.ts*.
3. These will be our business classes. In each create one class with the following properties:

Customer

customerID	number
givenName	string
familyName	string
companyName	string
address	string
city	string
region	string
postalCode	string
country	string
phone	string
email	string
imageUrl	string
password	string

OrderLine

quantity	number
productID	number
locationID	string
price	number
picked	boolean
product	Product
location	Location

Order

orderID	number
customerID	number
status	number
orderDate	Date
shipVia	number
shipping	number
tax	number
shipName	string
shipAddress	string
shipCity	string
shipRegion	string
shipPostalCode	string
shipCountry	string
lines	Array<OrderLine>
customer	Customer

Product

productID	number
name	string
description	string
price	number
imageUrl	string
featured	boolean

Location

locationID	string
description	string
productID	number
quantity	number
product	Product

4. Note that the order class uses the OrderLine class and the Customer class. Don't forget that you'll need to import these classes into the Order class for this to work. This is true for the Location and OrderLine classes as well.
5. Now open a command window and compile your new classes and all of the site by typing in `ng build`
6. You'll probably see some compile errors. If so, go ahead and correct them.

Using a class in a component

7. Edit *shipping/ship-order.component.ts*. Give the class a private property called *order* that is of type *Order*. (Yes, the one you just created). Don't forget you'll need to import it at the top.*

* We're only going to remind you to add imports statements occasionally from now on so don't forget going forward.