

Component: Abstraction

Models continued

```
my_test_framework
|- my_test_framework
|- apps
|- website
    - base.py
    - home.py
    - cart.py
|- api
    - base.py
    - letters.py
|- data
    - shirts.py
|- framework
    - selenium_utils.py
    - utils.py
    - exceptions.py
|- models
    - products.py
    - carts.py
    - pricing.py
|- tests
    - conftest.py
    - pytest.ini
    - test_simple.py
- requirements.txt
```


End-to-end tests rely on abstractions

Example end-to-end test case for our pretend t-shirt commerce site:

```
def test_e2e(self, driver, orders):  
    # disambiguate the order  
  
    # for each item in the order:  
    # find it  
    # add it to the cart  
  
    # instantiate the pricing model  
    # validate the expected price with the actual price from the website  
  
    # add the custom lettering  
  
    # place the order  
    # check the DB, verify order details and status  
  
    # instantiate the API EOM  
    # query the API for the custom lettering, verify it matches
```


Component: Abstraction

Models continued

```
my_test_framework
|- my_test_framework
  |- apps
    |- website
      - base.py
      - home.py
      - cart.py
    |- api
      - base.py
      - letters.py
  |- data
    - shirts.py
  |- framework
    - selenium_utils.py
    - utils.py
    - exceptions.py
  |- models
    - products.py
    - carts.py
    - pricing.py
  |- tests
    - conftest.py
    - pytest.ini
    - test_simple.py
- requirements.txt
```