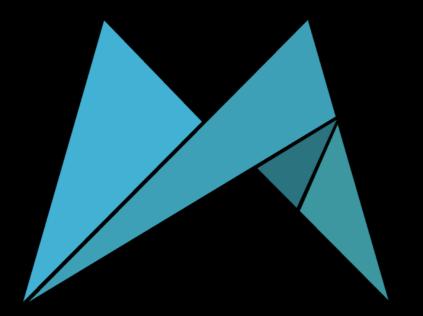


MOBILE ACADEMY



Testing techniques

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Unit Test — life cycle

- Arrange
- Act
- Assert



Unit Test — types

- Return Value Test
- State Test
- Interaction Test

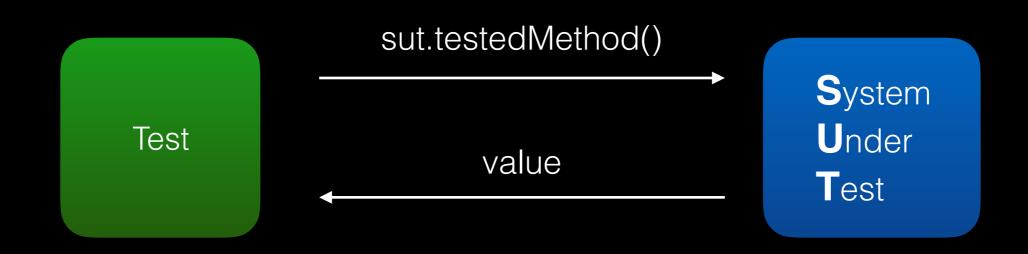


Return Value Test (AAA)

- Arrange setup object
- Act call method under test
- Assert compare returned value with expectations



Return Value Test



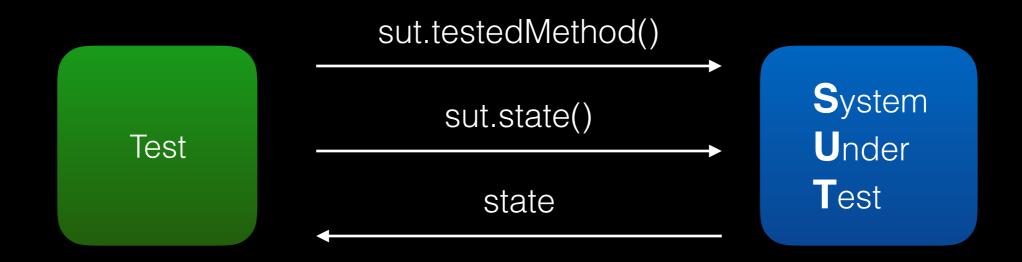


State Test (AAA)

- Arrange setup object
- Act call method under test
- Assert compare object's state with expectations



State Test



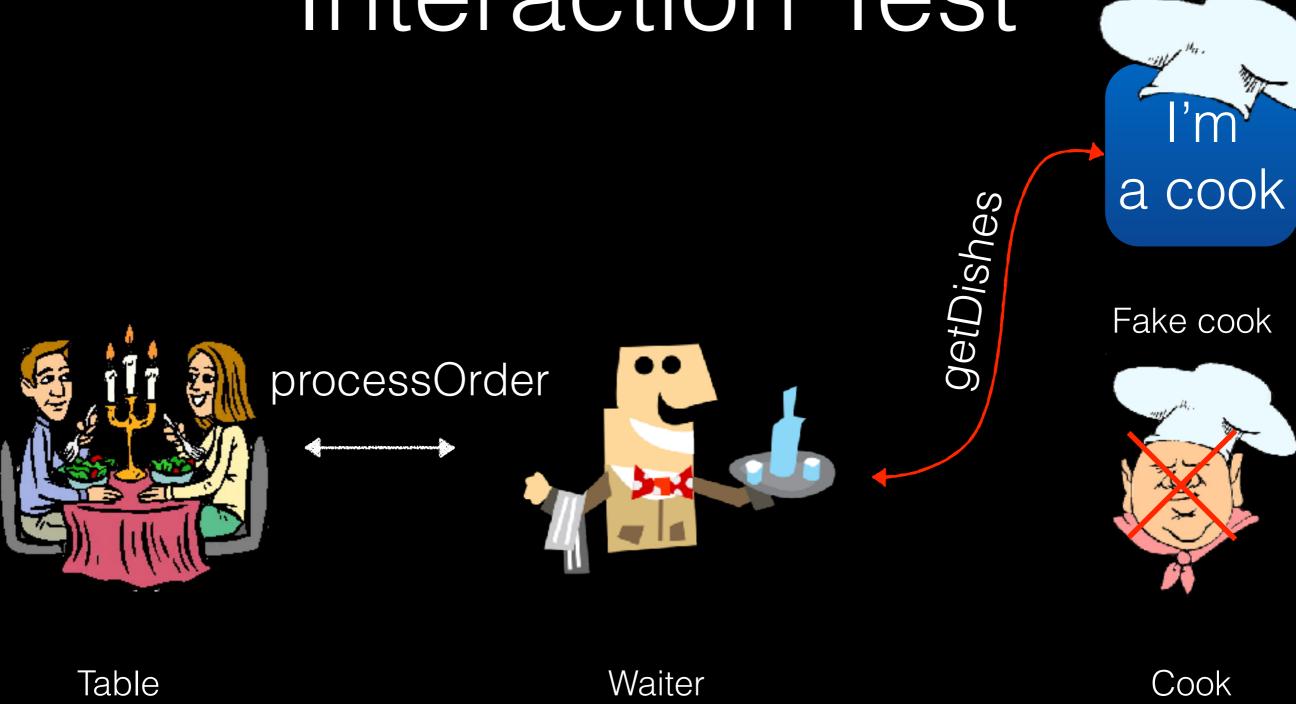


Interaction Test (AAA)

- Arrange setup object
- Act call method under test
- Simulate simulate behavior
- Assert verify integration



Interaction Test



Test doubles - basics

- Mock verify if SUT uses dependency correctly
- Spy indirect access to SUT output
- Fake simulated, lighter implementation
- Stub indirect input to SUT

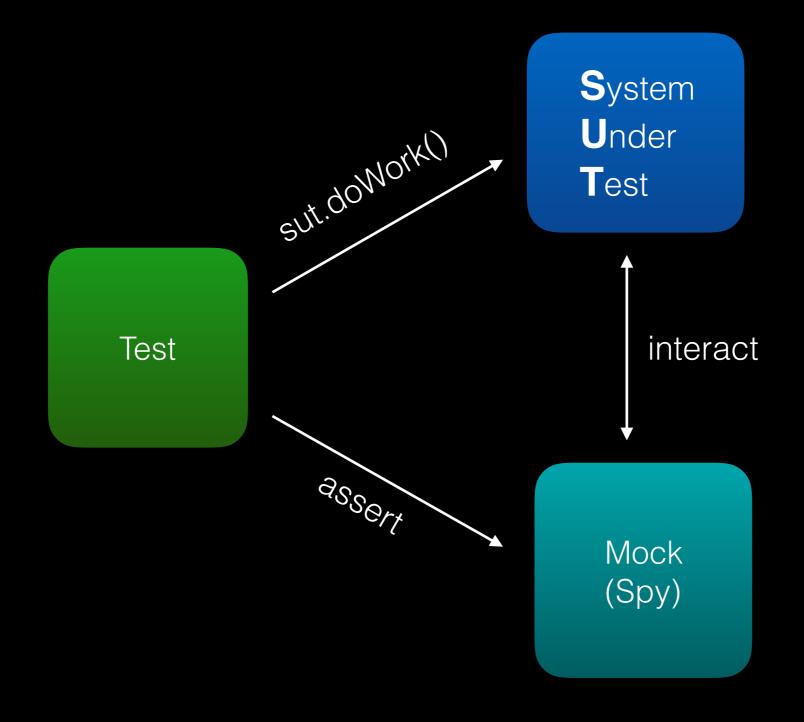


Interaction Test (1)





Interaction Test (2)





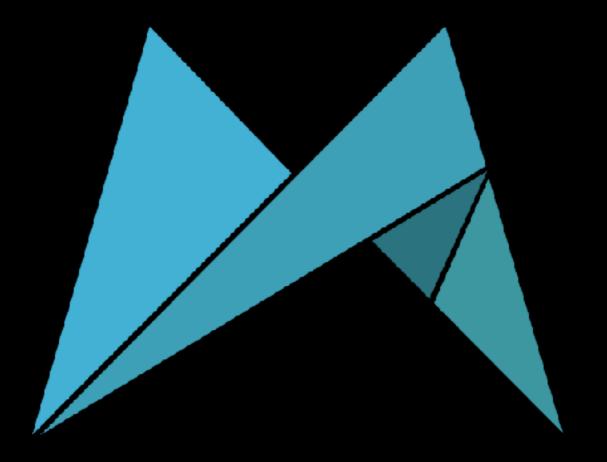
Recap

- Life cycle
- Test types



Hands on





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