

Testing techniques

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Unit Test - life cycle

- **A**rrange - Setup object
- **A**ct - Call method under test
- **A**ssert - Compare current results with expected

Unit Test - types

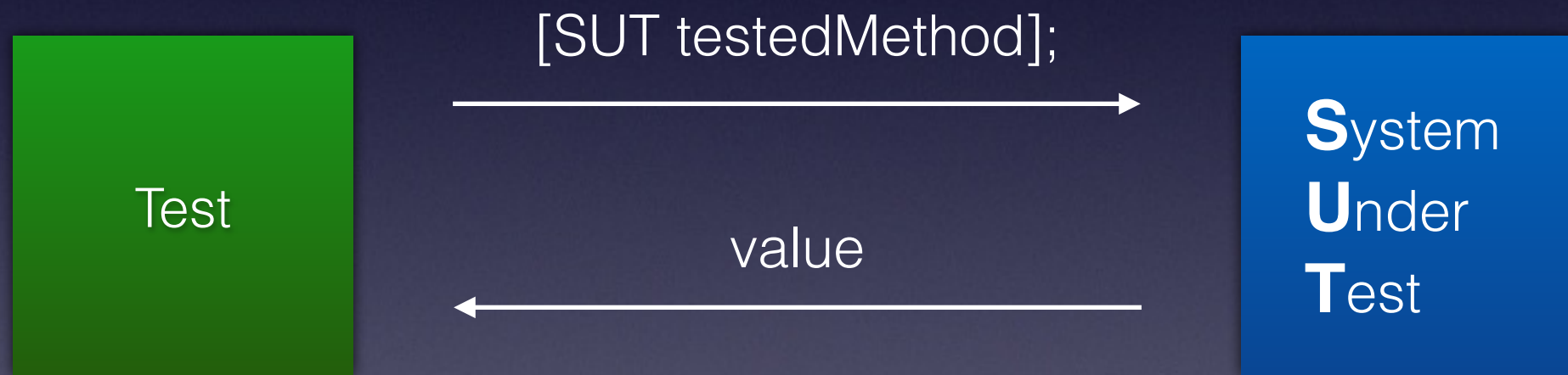
- Return Value Test
- State Test
- Interaction Test

Hands on

Return Value Test (AAA)

- **A**rrange - Setup object
- **A**ct - Call method under test
- **A**ssert - Compare returned value with expectations

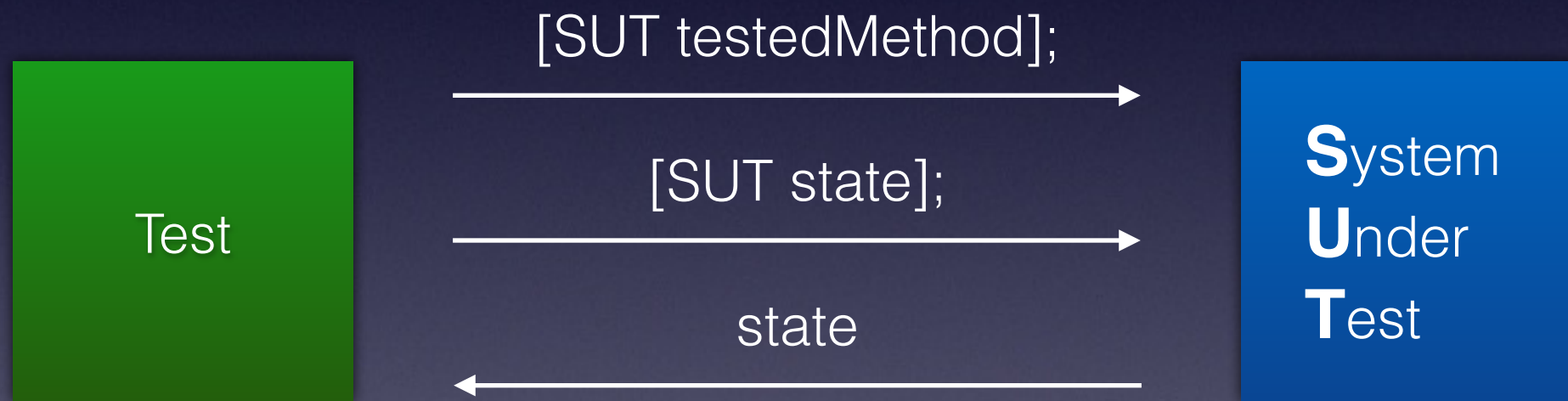
Return Value Test



State Test (AAA)

- **A**rrange - Setup object
- **A**ct - Call method under test
- **A**ssert - Compare object's state with expectations

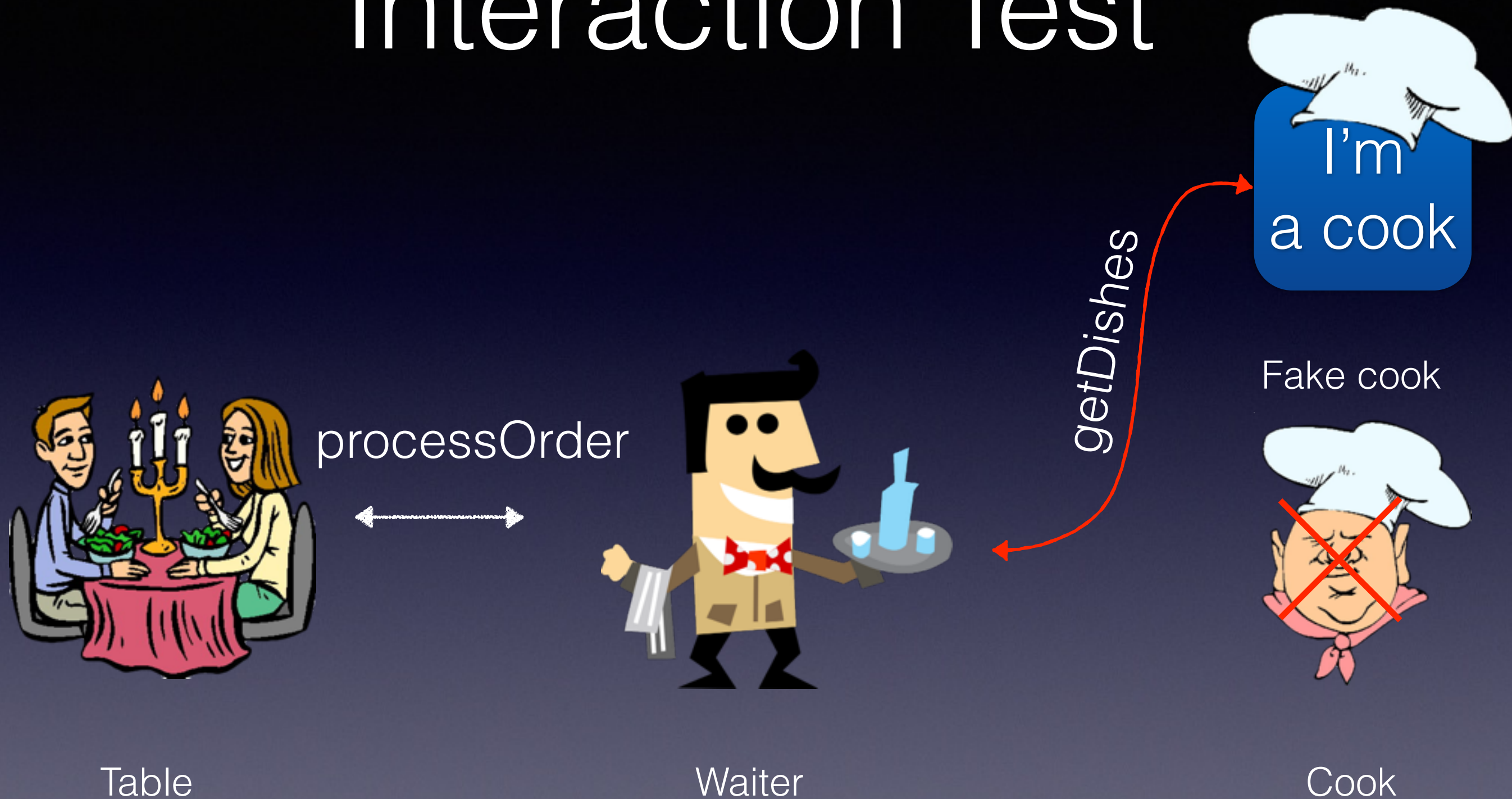
State Test



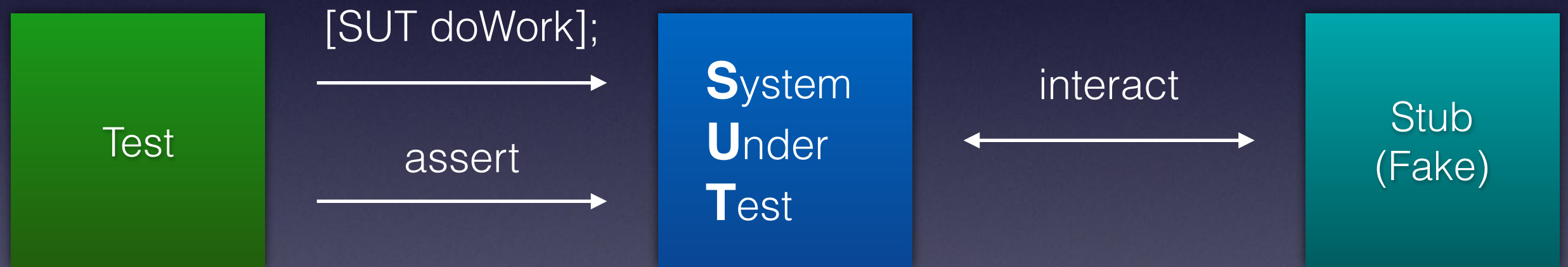
Interaction Test (AAA)

- **A**rrange - Setup object
- **A**ct - Call method under test
- **S**imulate - simulate behaviour
- **A**ssert - Verify integration

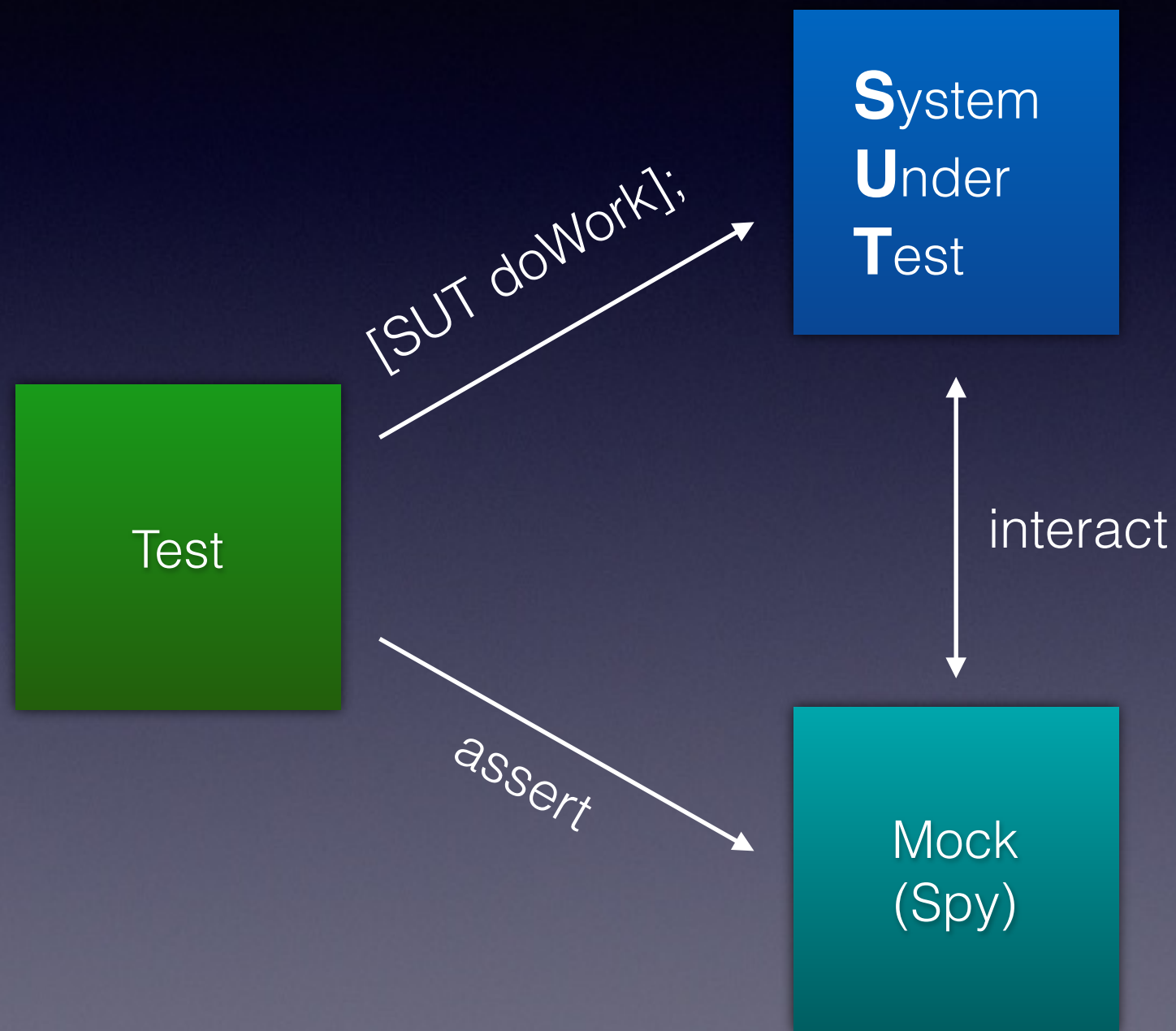
Interaction Test



Interaction Test (1)



Interaction Test (2)



Hands on

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