

# 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

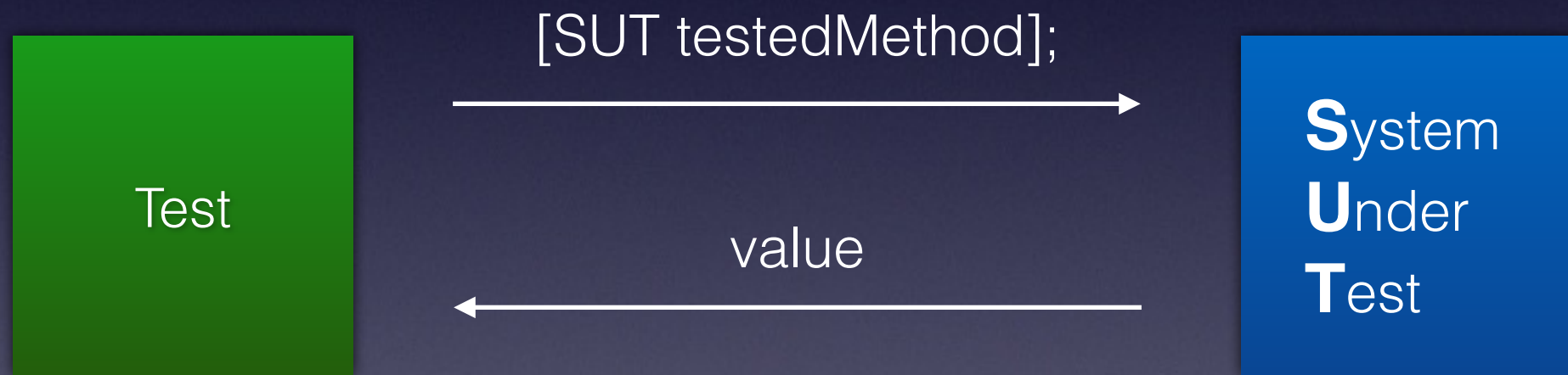
Hands on



# Return Value Test (AAA)

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

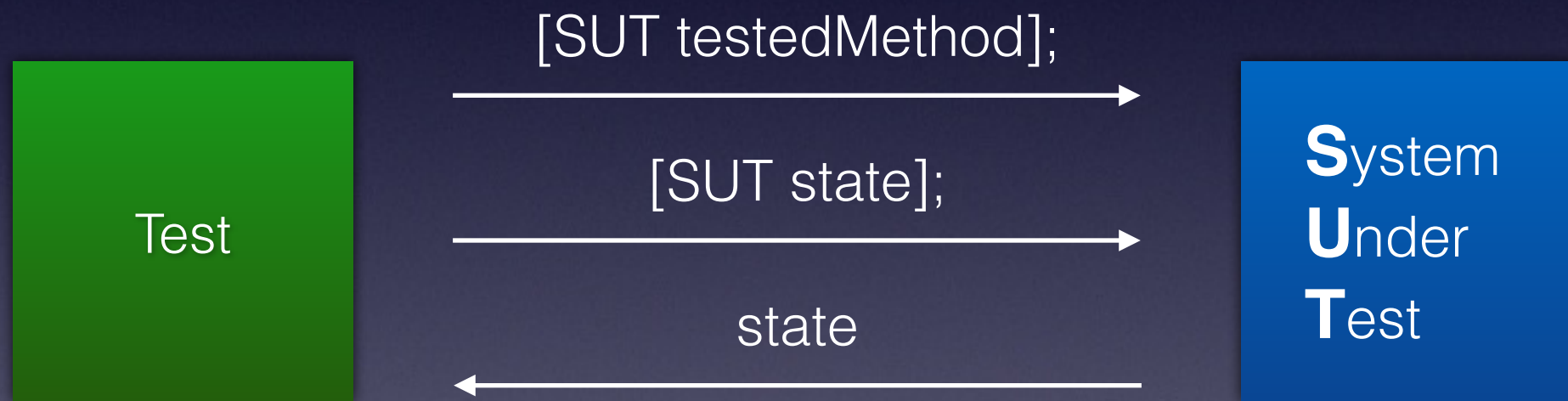
# Return Value Test



# State Test (AAA)

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

# State Test



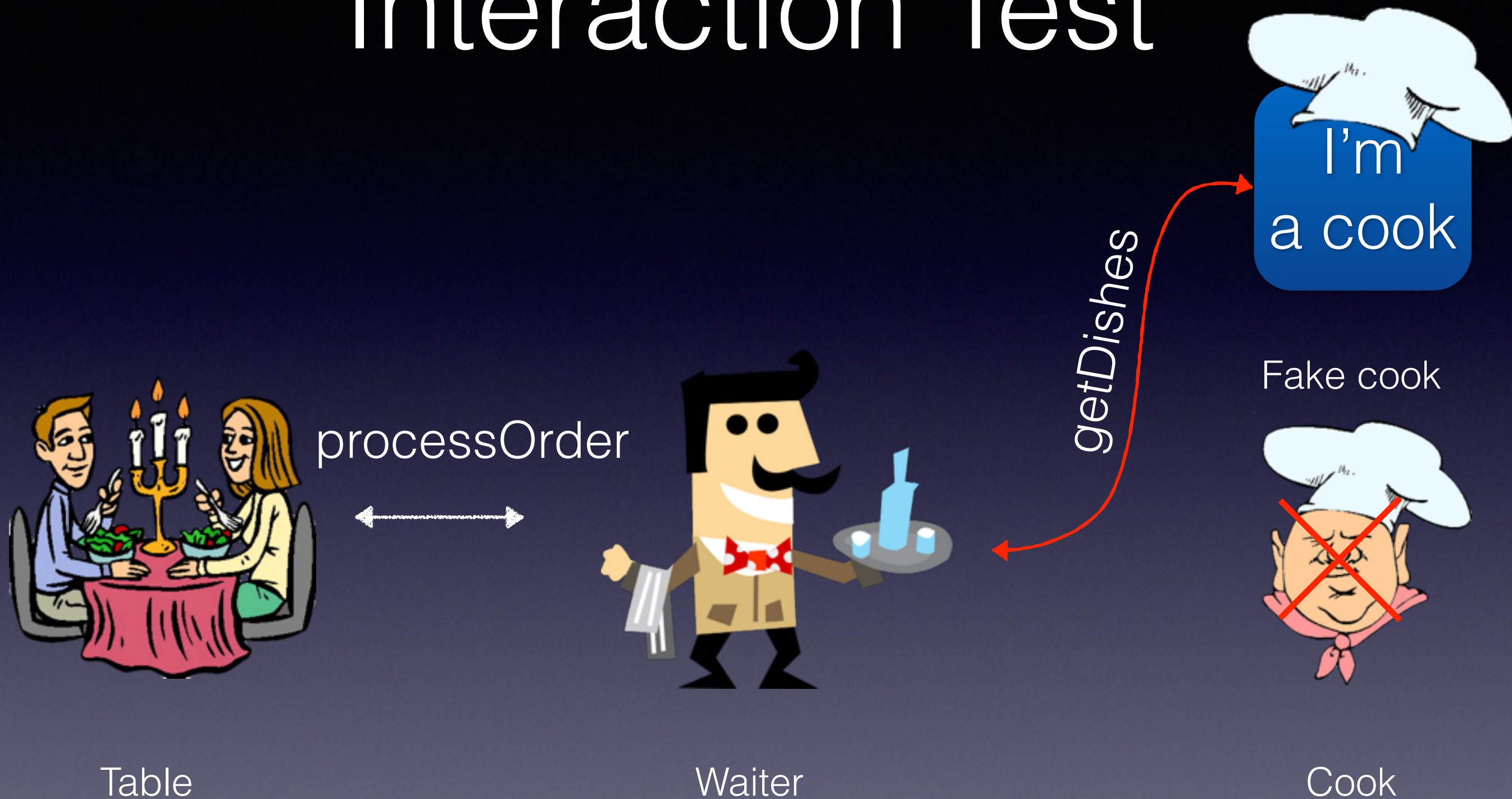


Hands on

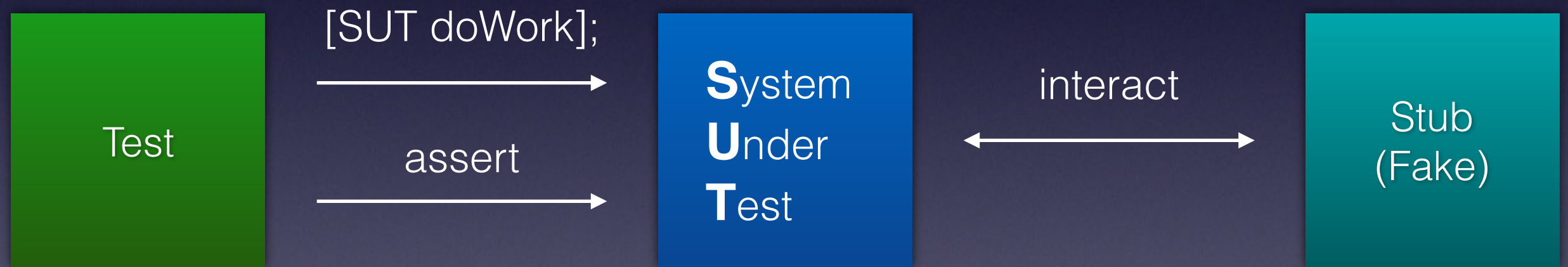
# Interaction Test (AAA)

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

# Interaction Test

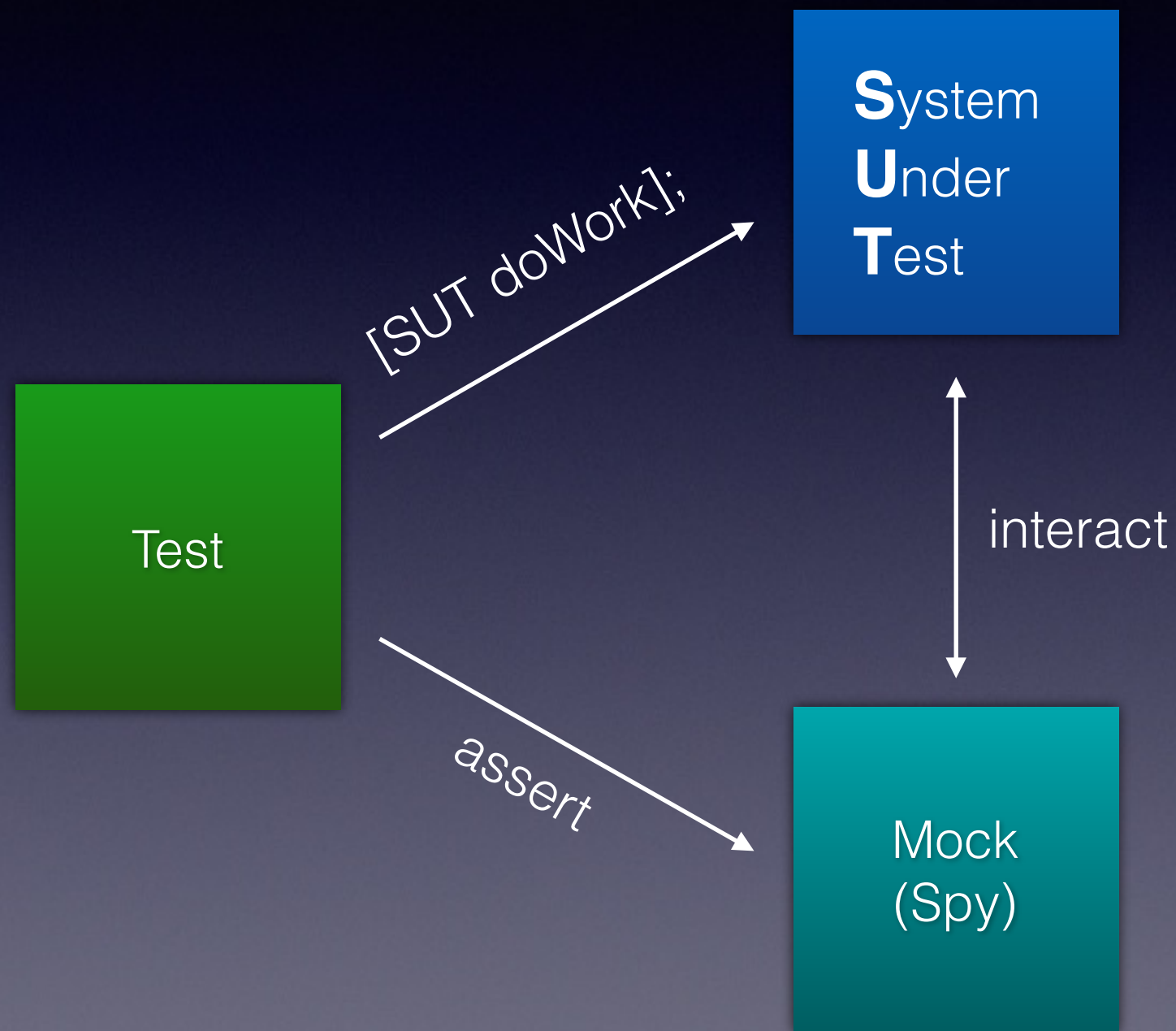


# Interaction Test (1)





# Interaction Test (2)



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