Test Doubles

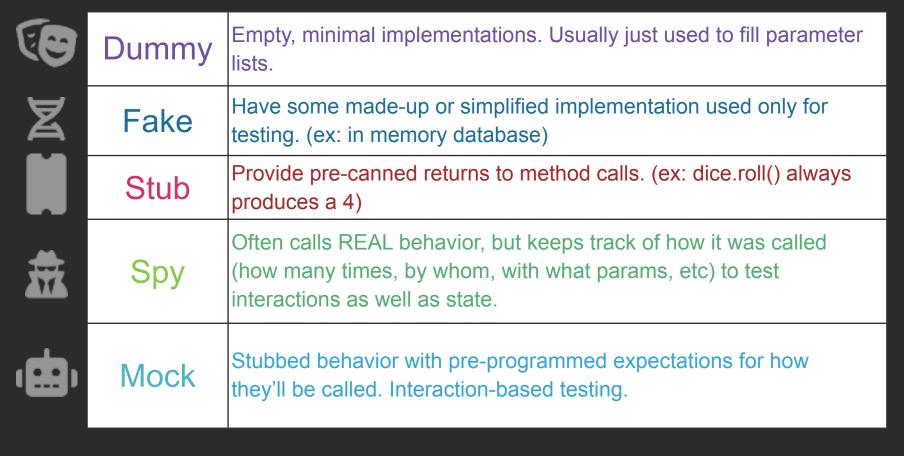
As described by Martin Fowler in his article "Mocks aren't stubs"



Martin Fowler

What is a test double?

Test Double is a generic term used to describe any case where you replace a production object for testing purposes. Test doubles come in many forms, for example...





Example - Dice Cup

```
Class DieCupTest {
    DieCup testObj;

@Test
void initializeHasRightNumberOfDie() {
        Die die1 = new Die(numSides: 6);
        Die die2 = new Die(numSides: 12);
        List<Die> diceToInject = new ArrayList<Die>();
        diceToInject.add(die1);
        diceToInject.add(die2);

        testObj = new DieCup(diceToInject);
        assertEquals(diceToInject.size(), testObj.dice.size());
}
```

Initialization is easy enough...

```
public class DieCup {
   List<Die> dice = new ArrayList<Die>();
   public DieCup(List<Die> dice) {
      this.dice = dice;
   }
```



