Spys, Stubs, and Mocks

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Let's Talk Mocks

Testing is not always straight forward

Mocking objects is required to unit test

Sinon to the rescue!

We Need a Function

```
var func = sinon.spy()
```

sinon.spy() Gives Us a Fake Function

We can use this to track execution

We Already Have a Function

```
sinon.spy(user, 'isAuthorized')
```

sinon.spy() Lets Us Watch a Function.

We can use this to track execution

We Need to Replace a Function

```
sinon.stub(obj, 'function')
```

sinon.stub() Replaces a Function

We can control its behavior directly

Mocks

"Mocks (and mock expectations) are fake methods (like spies) with pre-programmed behavior (like stubs) as well as pre-programmed expectations."

What Are Mocks?

We Talked Mocks

Testing is not always straightforward

Spys for watching methods

Stubs for replacing objects

Mocks for easier expectations