# Sinon JS

## Reference

- https://sinonjs.org/
- https://semaphoreci.com/community/tutorials/best-practices-for-spies-stubs-and-mocks-in-sinon-js
- https://codeutopia.net/blog/2016/05/23/sinon-js-quick-tip-how-to-stubmock-complex-objects-such-as-dom-objects/

## Spy

- Check if a method is called

```
const spy = sinon.spy(object, 'method')
...
spy.restore() // remove spy
expect(spy.callCount).to.be.eql(n) // check if the method is call n times
```

## Stub

- Replace existing method with stub to avoid actually execute the method

```
function fake() {  // a fake function to be called
}

const stub = sinon.stub(object, 'method').callFakes(fake) // you could also replace the fake with another real function
...
stub.restore() // remove stub
expect(stub.callCount).to.be.eql(n) // check if the method is call n times
```

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