

Testing Asynchronous Calls

Module Introduction

Limitations of Mocking URLSession

URLSession Test Work Flow

Demo

Summary

Limitations of Mocking URLSession



Too many examples
create a custom class
that **rebuilds** URLSession.



More code == more
potential bugs.

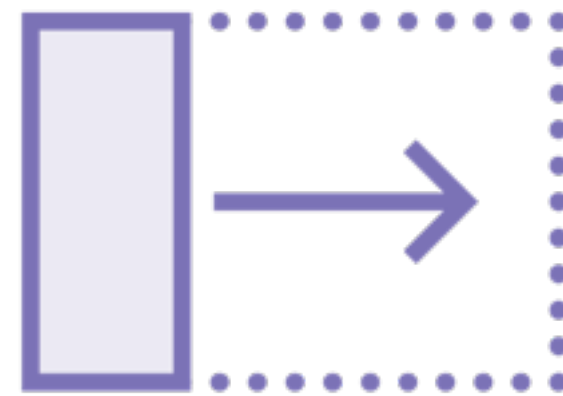
```
inventoryItem?.getImage(completion: { (image) in  
    DispatchQueue.main.async() {  
        self.vendorLogo.image = image  
    }  
})
```

Retrieve Image from the Internet

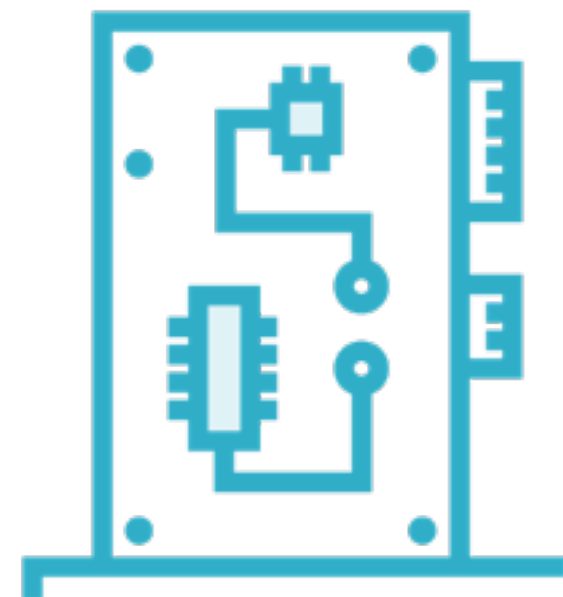
URLSession Test Work Flow



Create Item object



Set expectation



**Call Item getImage()
and call fulfill()**



**waitForExpectations: Did
callback return within
time limit?**

Demo

Creating URLSession Test

Summary

URLSession has limitations when it comes to mocking.

Test URLSession as an integration test.

Testing asynchronous functionality can get elaborate.