Unit Testing with HttpClient

Kevin Dockx
ARCHITECT

@KevinDockx https://www.kevindockx.com

Coming Up

Unit Testing with HttpClient

- Writing a custom handler

- Writing a unit test

- Using a mocking framework

Unit Testing with HttpClient

You don't want to call the API during tests

- Hard to maintain
- Potentially cost-inducing

Mocking HttpClient is complex

- Instead, use a custom handler to stop communication with the API and return the desired response

Demo

Implementing a Custom Handler to Allow Unit Testing with HttpClient

Demo

Writing a Unit Test

Demo

Improving Mocking with Moq

Summary

Calls to the API can be avoided with a custom handler

- Can return a preset response

- Allows unit testing part of our code that would otherwise call the API

Use a mocking framework, like Moq, to mock handlers on the fly