

Testing External API using Mocks

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Difficulties of Testing External API's

- You are at the mercy of the provider
- Cost
- Rate Limits
- API's can be slow
- You do not want to create unnecessary data, eg, stripe payment



Dave Cheney @davecheney · Sep 29, 2019

A test is not a unit test if:

- It talks to the database
- It communicates across the network
- It touches the file system
- It can't run at the same time as any of your other unit tests
- You have to do special things to your environment to run it.

—@mfeathers

Go Interfaces

- Interface is a type with set of method signatures
- We implement an interface by implementing its methods

```
type ExternalApi interface {  
    CreateUser(userData User) (userId string, err error)  
}
```

Coding Time !!!

App Description

We will be building a wrapper for a third party API that creates a user and sends us back a UUID

Questions??

Thank you !!!

