Testing Code Samples

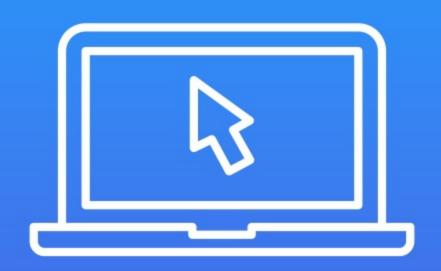**Michael Van Sickle**

@vansimke

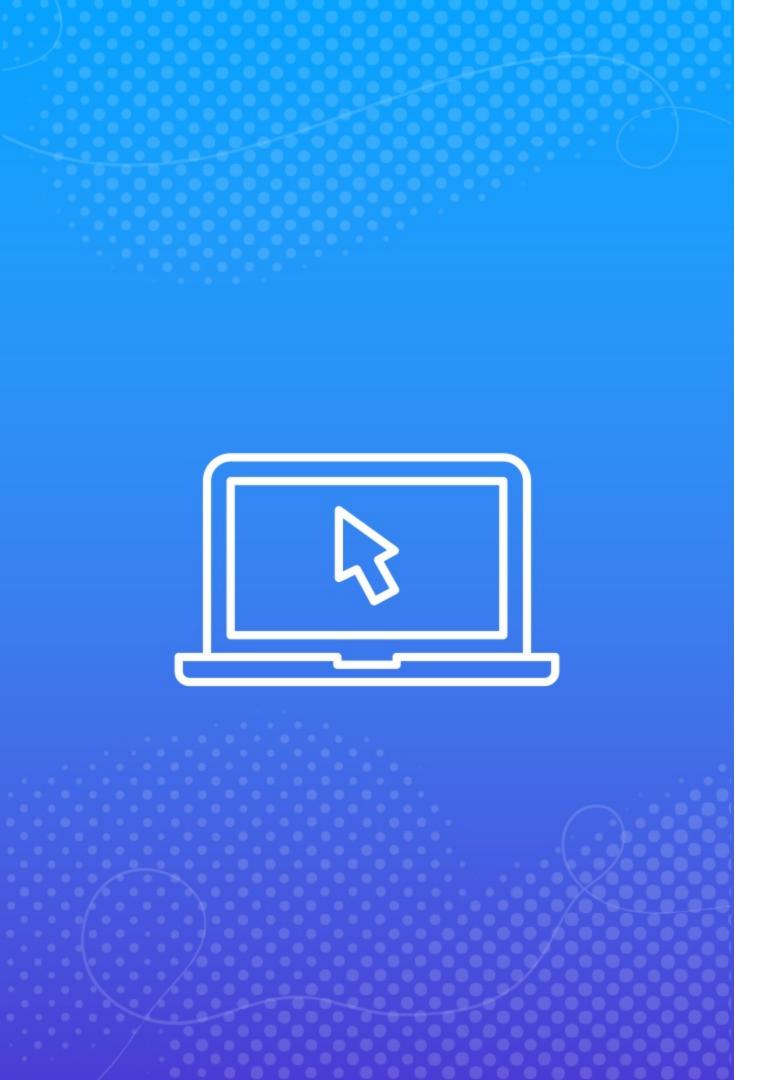# Introduction

What are Example Tests?

Writing Example Tests
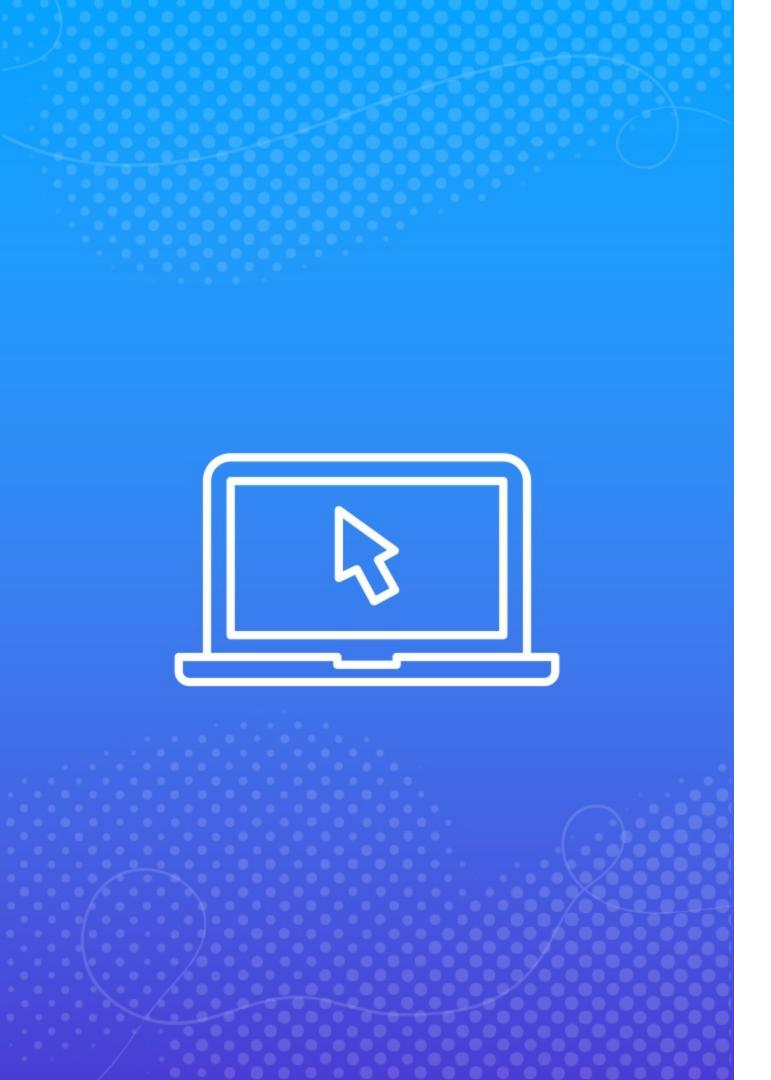
Generating Documentation

What are Example tests?

– Show in Go docs (e.g. encoding/json#Decoder)

Writing an Example test

Generating documentation

Binding example tests to different package members

```go
func ExampleFoo() {
    fmt.Println("Hello,")
    fmt.Println("World")
    // Output:
    // Hello,
    // World
}

func Example{FunctionName}
func Example{TypeName}
func Example{Type + Method}
func Example{*}_suffix

godoc
```

◄ **Example test signature**

◄ **Start describing expected output to stdout**

◄ **Example for function**
◄ **Example for type**
◄ **Example for type's method**
◄ **Description of example test**

◄ **Tool to view documentation, including examples**
golang.org/x/tools/cmd/godoc