



# Mockk & Truth

Your Unit Tests better for reading

**INTRIGUING...**



## MockK

It is a powerful mocking  
library for Kotlin

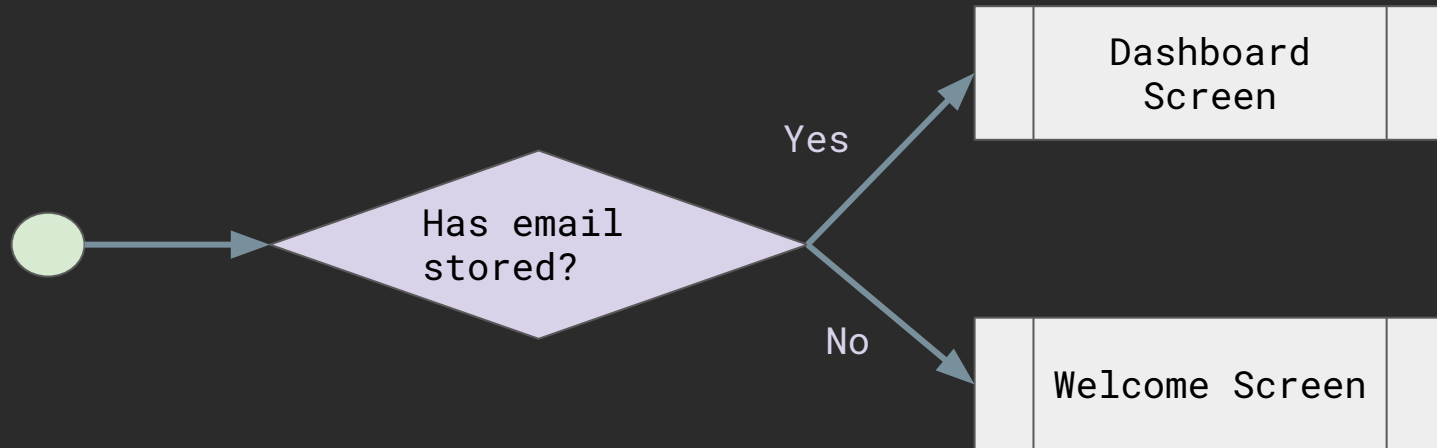


## Truth

It is a library to help us  
write more fluent  
assertions for Android.

# Example

In this case, the **MainViewModel** has the responsibility for defining the first destination, where the app starts.



# MainViewModel

```
@HiltViewModel
class MainViewModel @Inject constructor(
    private val localRepository: LocalRepository
) : ViewModel() {

    val firstDestination: String
    get() {
        return if (localRepository.userEmail().isEmpty()) {
            ScreenRoutes.WELCOME_MESSAGE_WITH_NAVO_ROUTE
        } else {
            ScreenRoutes.DASHBOARD_ROUTE
        }
    }
}
```

# MainViewModel

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@HiltViewModel
class MainViewModel @Inject constructor(
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        } else {
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        }
    }
}
```



Dependency

# Mocking the Dependency

```
class MainViewModelTest {  
  
    private val localRepository = mockk<LocalRepository>()  
  
    @Test  
    fun `dashboard - first destination`() {...}  
  
    @Test  
    fun `welcome screen - first destination`() {...}  
}
```

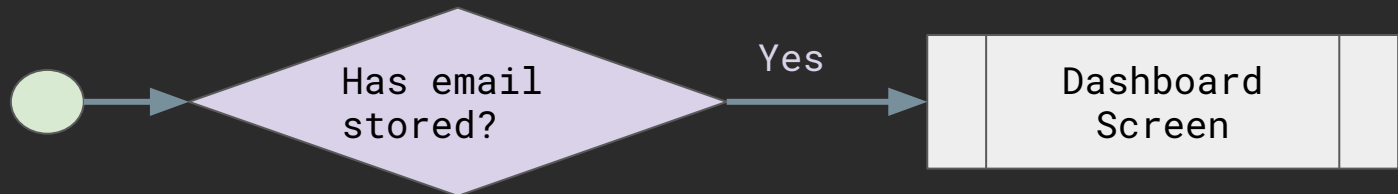
# Mocking the Dependency

```
class MainViewModelTest {  
  
    private val localRepository = mockk<LocalRepository>()  
  
    @Test  
    fun `dashboard - first destination`() {...}  
  
    @Test  
    fun `welcome screen - first destination`() {...}  
}
```

# MainViewModel Test - Case #1

```
@Test
fun `dashboard - first destination`() {
    every { localRepository.userEmail() }.returns( returnValue: "test@test.com")
    val viewModel = MainViewModel(localRepository)

    Truth.assertThat(viewModel.firstDestination).isEqualTo(
        ScreenRoutes.DASHBOARD_ROUTE
    )
}
```





# MainViewModel Test - Case #2

```
@Test
fun `welcome screen - first destination`() {
    every { localRepository.userEmail() }.returns( returnValue: "" )
    val viewModel = MainViewModel(localRepository)

    Truth.assertThat(viewModel.firstDestination).isEqualTo(
        ScreenRoutes.WELCOME_MESSAGE_WITH_NAVO_ROUTE
    )
}
```

