



MOCKING

75.07 Algoritmos y programación III

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**¿Qué es un
mock object?**



Dobles

En POO se llaman
“objetos simulados” a los
objetos que *imitan* el
comportamiento de
objetos reales de una
forma *controlada*.



Inicio aclaración

No confundir Mock con el Patrón Proxy



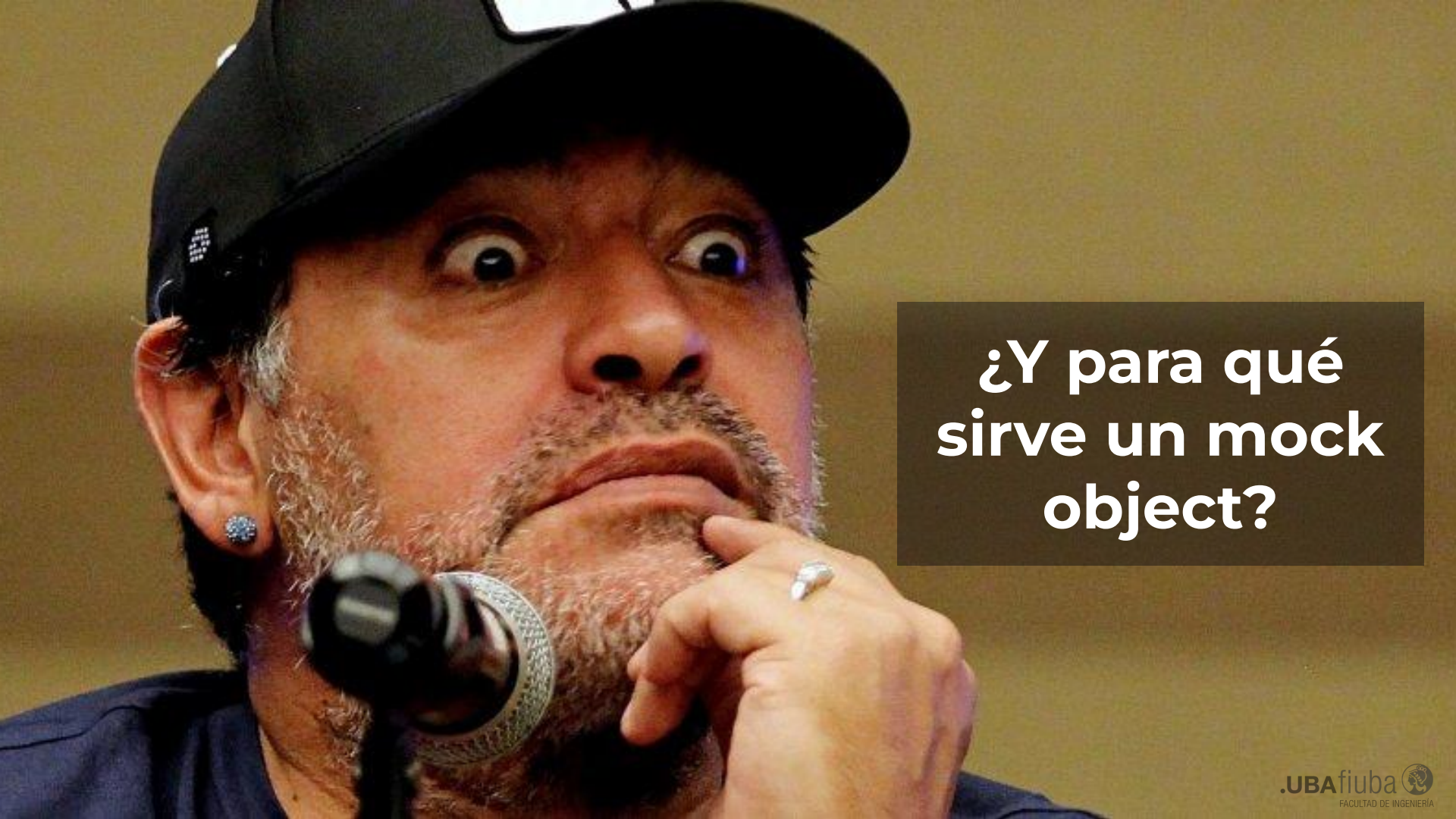
El Patrón Proxy :



Permite proporcionar un *sustituto* para otro objeto. Un proxy controla el acceso al objeto original, permitiendo hacer algo antes o después de que la solicitud llegue al objeto original.

Fin
aclaración



A close-up photograph of a man with a beard and a black cap. He is looking upwards and to the right with a thoughtful expression, his hand resting on his chin. A microphone is visible in the foreground, partially obscuring his chin. The background is a plain, light-colored wall.

**¿Y para qué
sirve un mock
object?**



PRUEBAS DE AISLAMIENTO

A close-up photograph of Rihanna with a confused expression, her eyebrows furrowed and mouth slightly open. She has long, dark, wavy hair and is wearing bright red lipstick. A white speech bubble is overlaid on the left side of the image, containing the text "WHAAAAT?".

WHAAAAT ?

A close-up photograph of a person's hands writing on a document. The person is wearing a red sweater and a watch with a gold-colored case and a dark face. The hands are dark-skinned. The background is a wooden chair and a wooden table.

UN POCO DE TERMINOLOGÍA

- ❖ Pruebas Unitarias
- ❖ Pruebas de Integración
- ❖ SUT (System Under Testing)

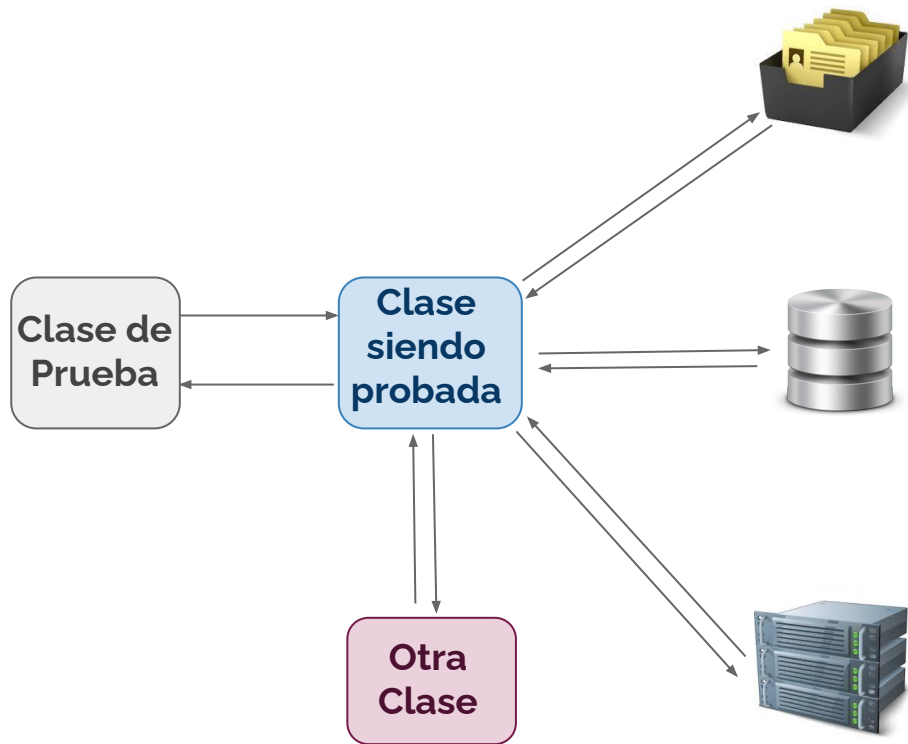
Testear clases aisladas es “fácil”

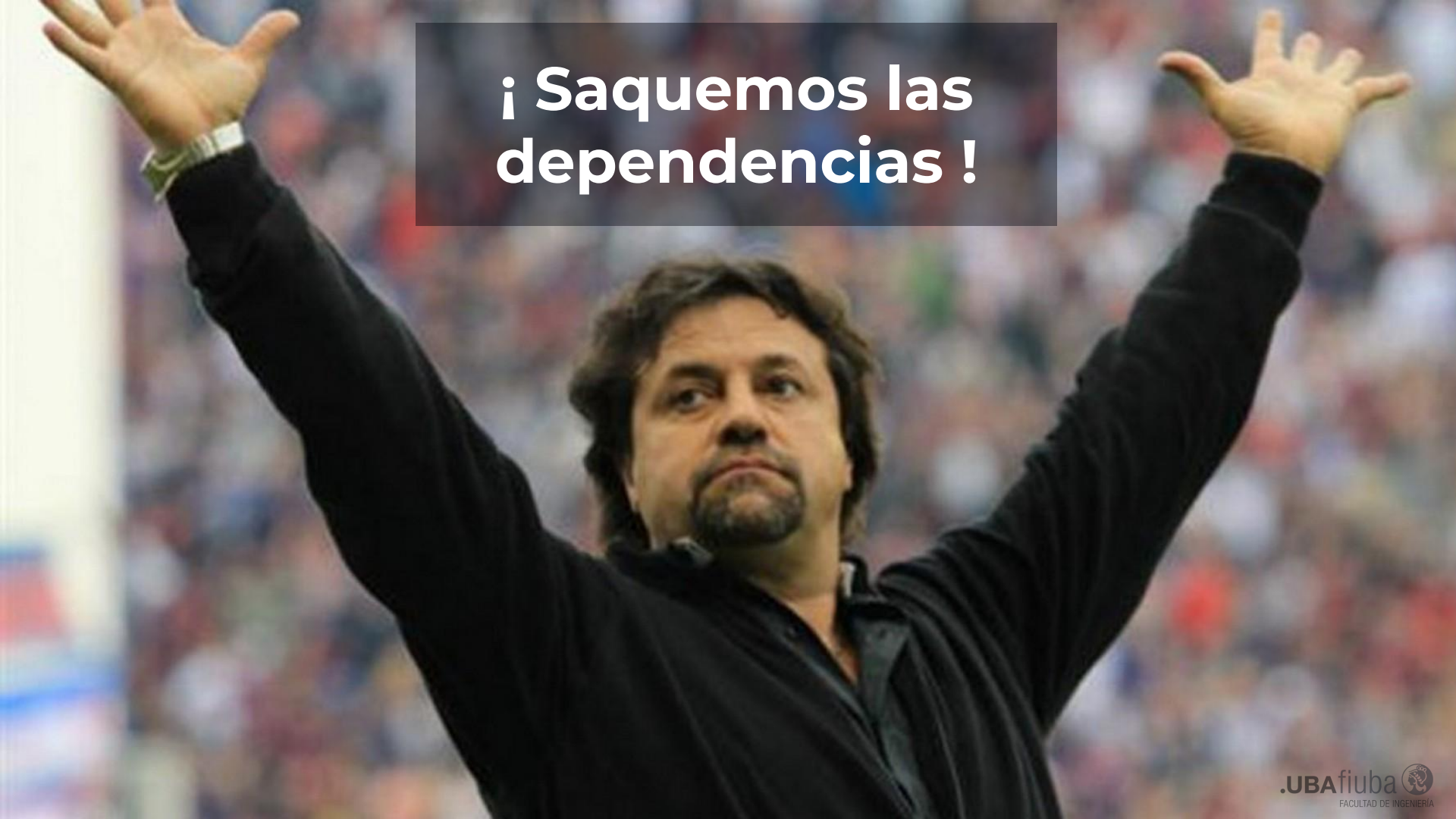
Clase de
Prueba

Clase
siendo
probada



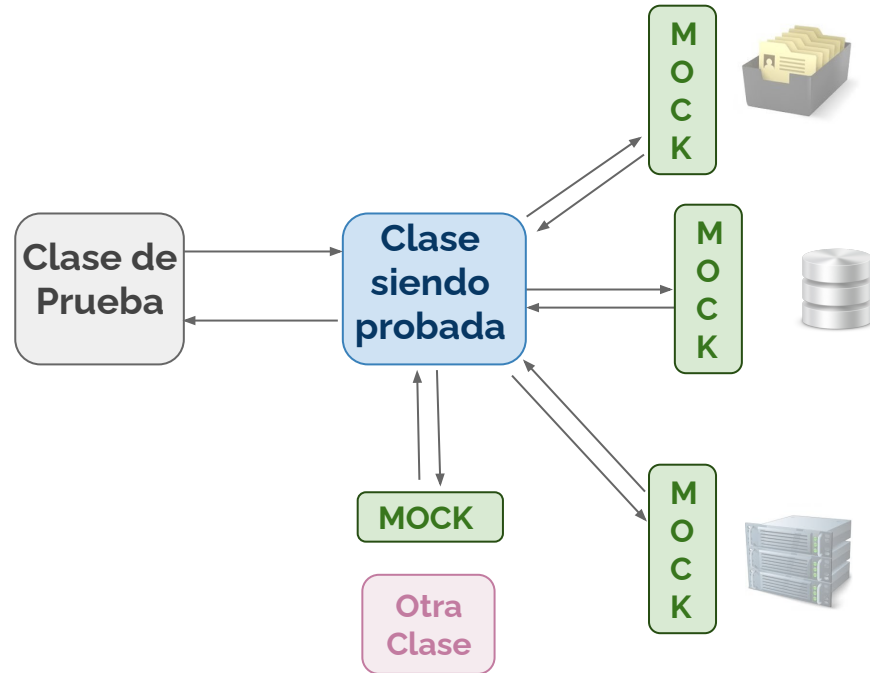
Testear con dependencias es difícil





**¡ Saquemos las
dependencias !**

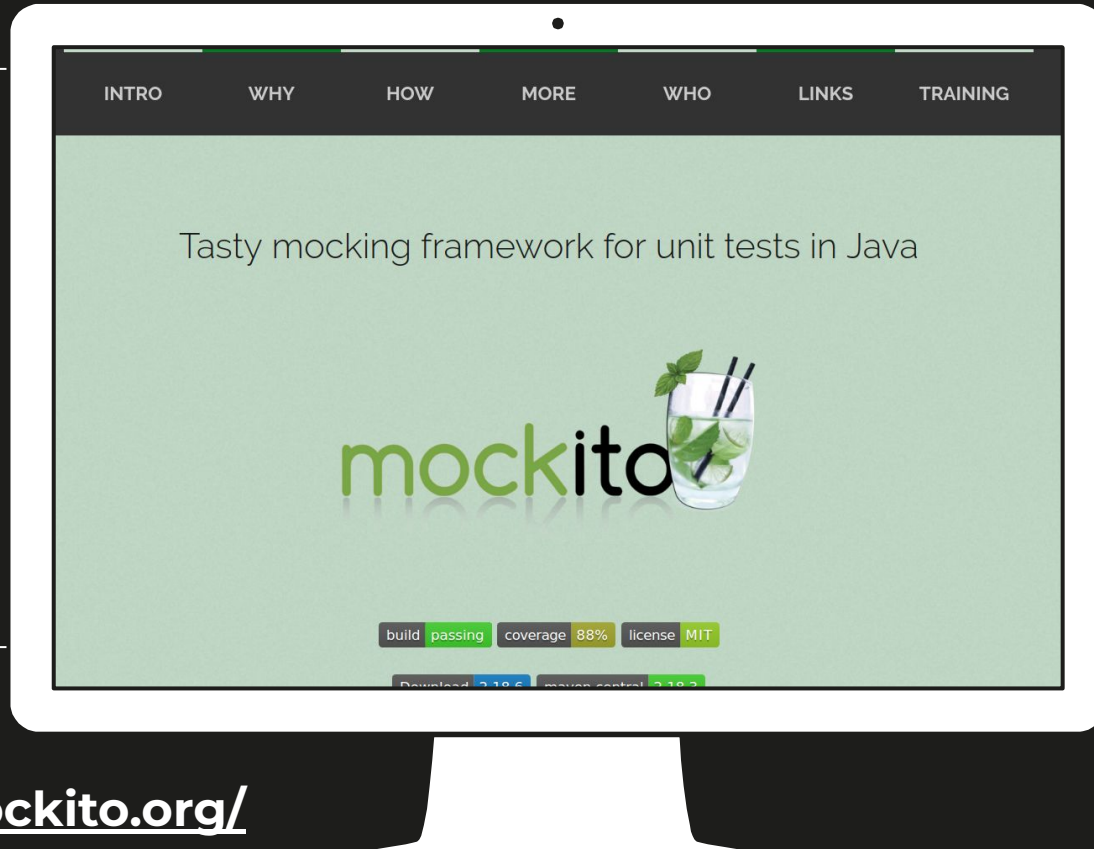
(solo en las pruebas)





Cómo se usa

CON LA AYUDA DE UN FRAMEWORK



<http://site.mockito.org/>

¿ BENEFICIOS DE USAR ***MOCKITO*** ?



- ❖ No hay *trabajo manual*
- ❖ Refactoring seguro
- ❖ Soporte para “Return value”
- ❖ Soporte para excepciones
- ❖ Soporte para anotaciones
- ❖ Soporte para chequear orden **y** cantidad de invocaciones.

Lecturas **fuertemente** recomendadas

(en **orden** de lectura)

1. <https://uniwebsidad.com/libros/tdd/capitulo-6>
2. <https://martinfowler.com/articles/mocksArentStubs.html>
3. http://sedici.unlp.edu.ar/bitstream/handle/10915/4216/Documento_completo.pdf?sequence=1&isAllowed=y

**¡ Obligatoria
en el FINAL !**

A woman with short blonde hair, wearing a white lace-sleeved top and a dark skirt, sits on a light-colored sofa. The sofa is decorated with blue and red-and-white striped pillows. In the foreground, a large bouquet of red, pink, and white flowers is on the left, and a white teapot with a floral pattern, a small vase with red and white roses, and some pastries are on a tray to the right. A small red suitcase sits on the floor in front of the sofa. A speech bubble in the top right corner contains the text "Bueno, nos vamos.".

**Bueno,
nos vamos.**



¿Qué vimos hoy?

1. *Qué es un Mock Object.*
2. *Para qué sirve.*
3. *Cómo se usa.*
4. *Lecturas recomendadas.*

A close-up shot of Leonardo DiCaprio from the movie 'Inception'. He is wearing a black tuxedo with a white shirt and a black bow tie. He is holding a martini glass in his right hand, pointing it towards the camera. He has a slight, knowing smile on his face. The background is dark and out of focus, showing what appears to be a crowded event or party with some lights visible.

¡ Gracias !