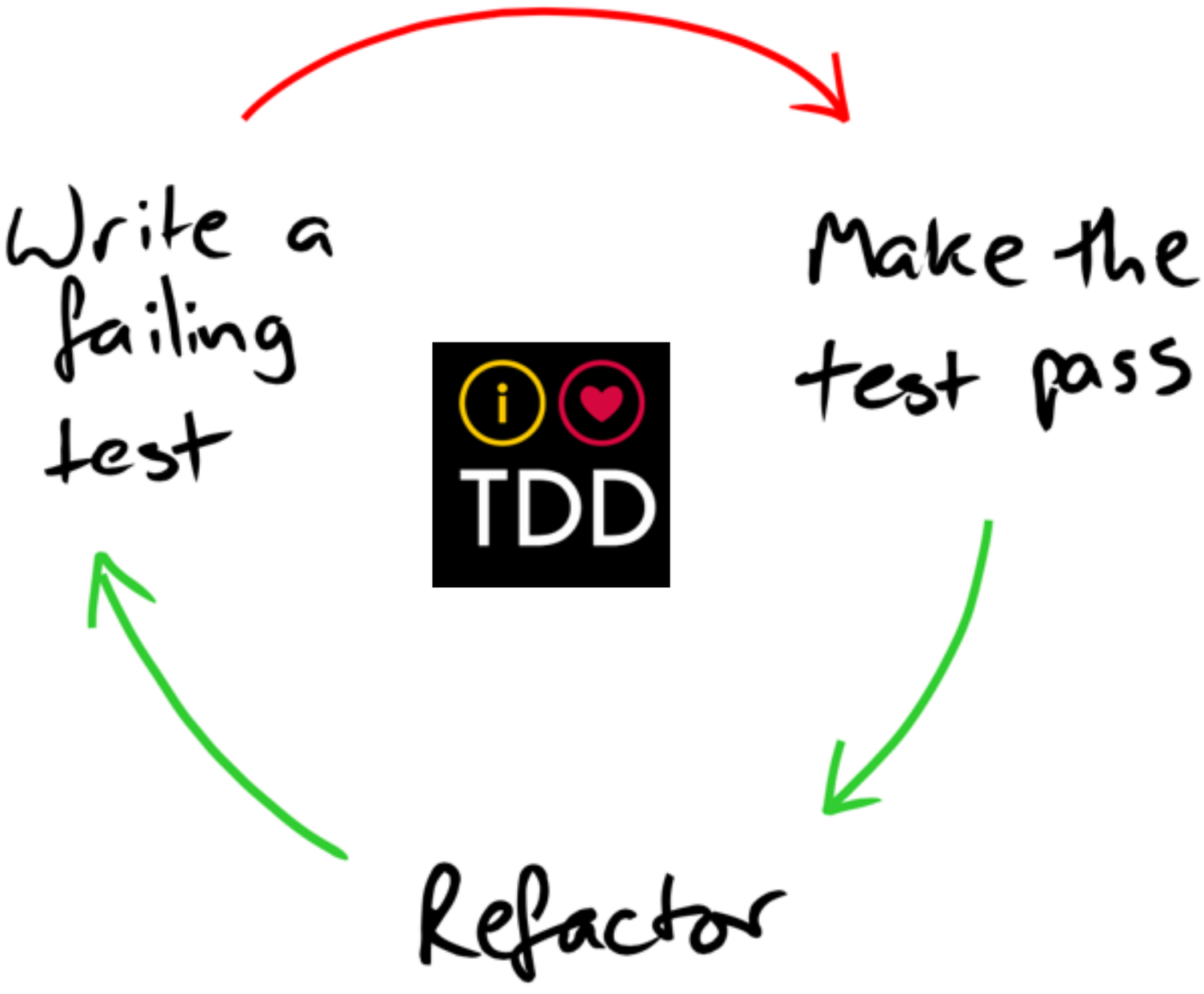
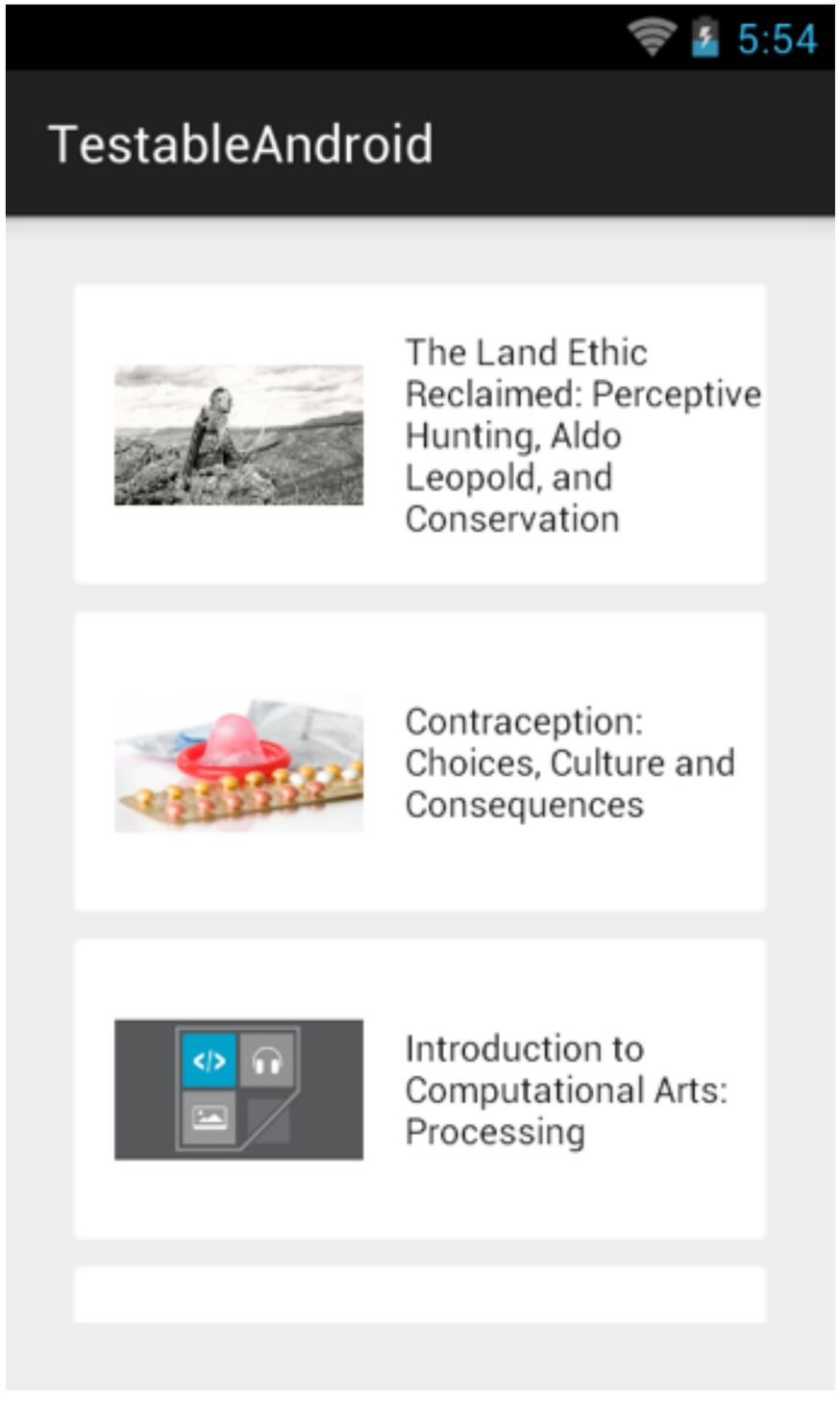
TESTABLE APP

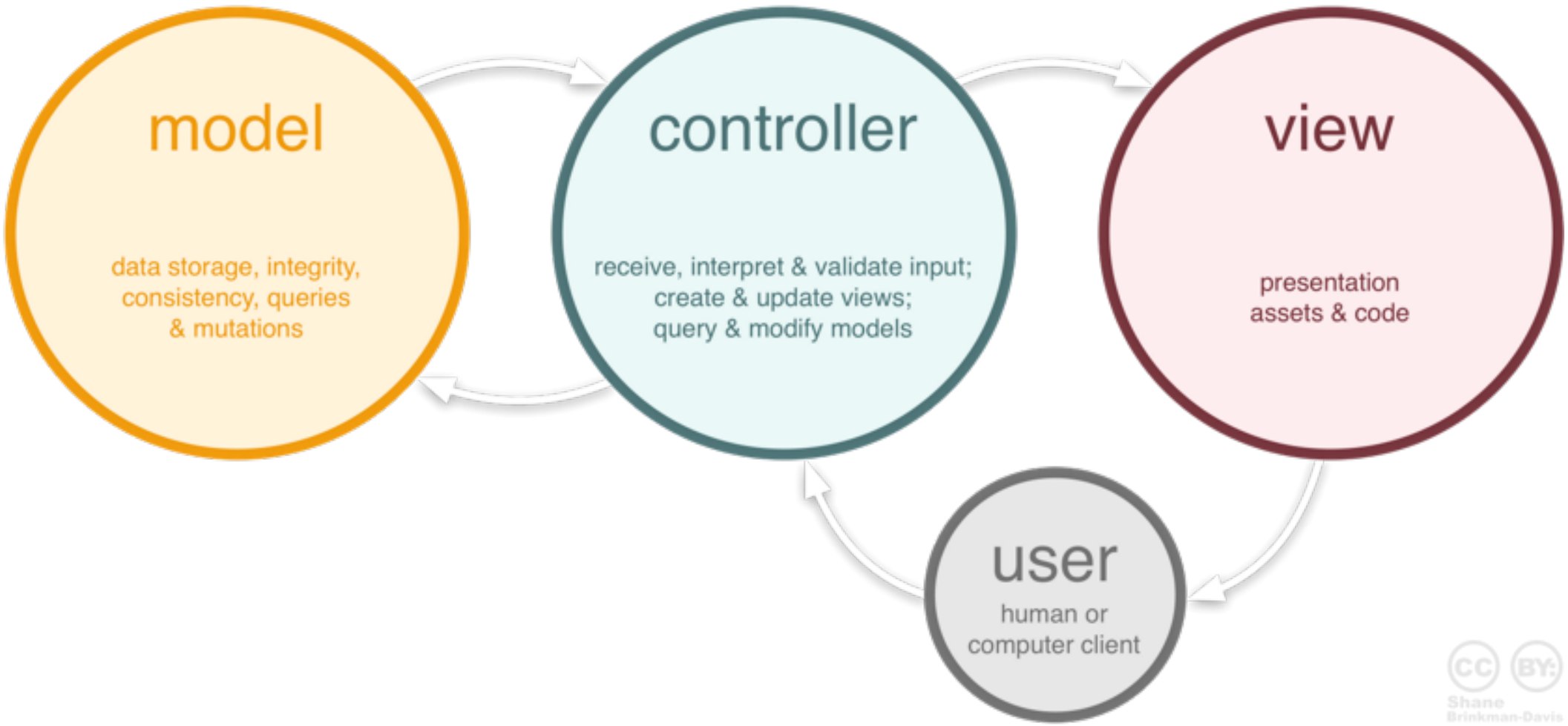


Testable application



Testable application ?

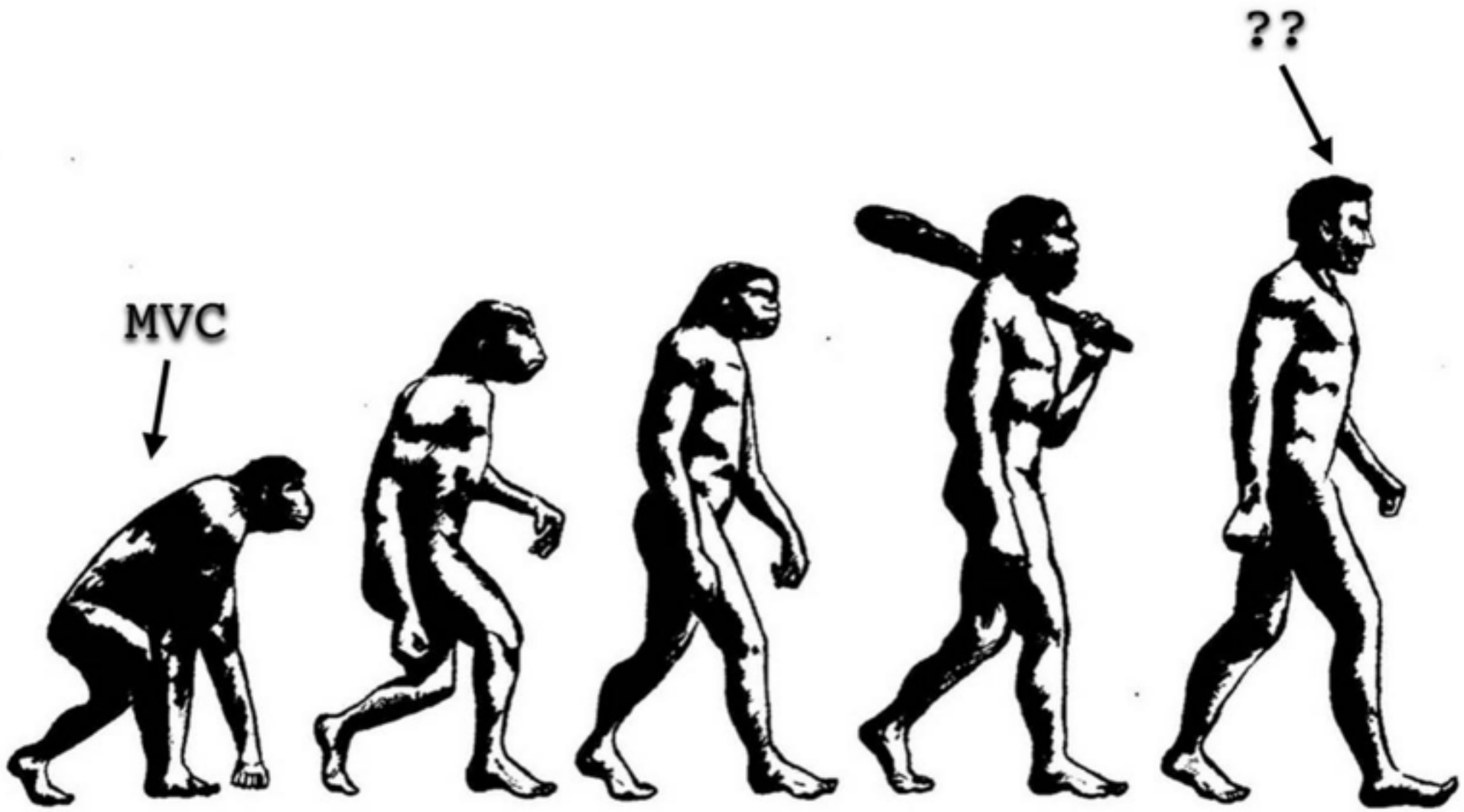
Model-View-Controller



Responsibilities

Model	View	Controller
Interact with network	Render model	Handle view event
Interact with database	Manage state	Update model
		Navigation
		Interact with system
		Handle system event

Evolution



Responsibilities

Model	View	Controller
Interact with network	Render model	Handle view event
Interact with database	Manage state	Update model
		Navigation
		Interact with system
		Handle system event

How to test ?

Model	View	Controller
Interact with network	Render model	Handle view event
Interact with database	Manage state	Update model
		Navigation
		Interact with system
		Handle system event

Try it yourself

What is a problem ?

What is a problem ?

Network

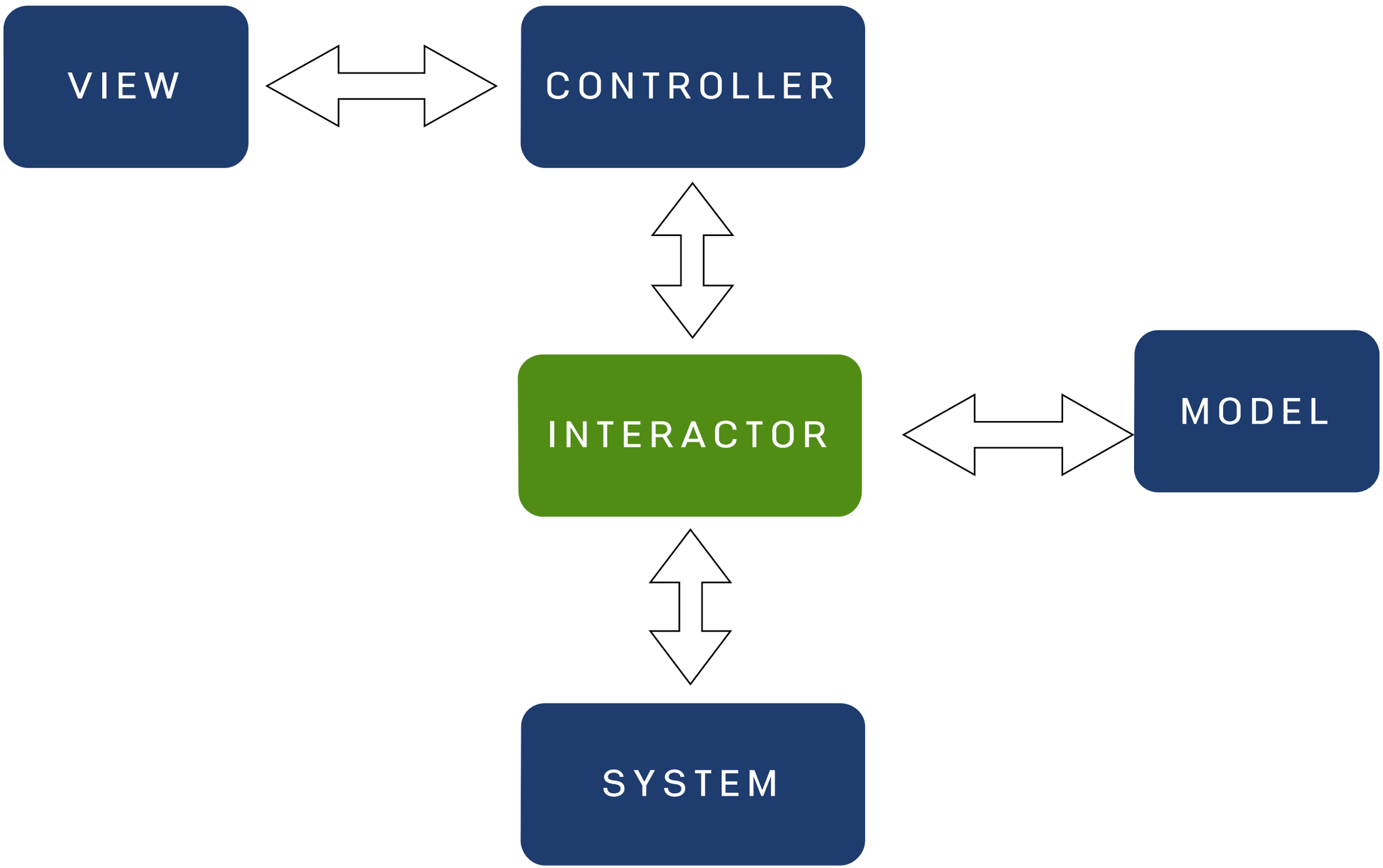
Database

System component

How to test ?

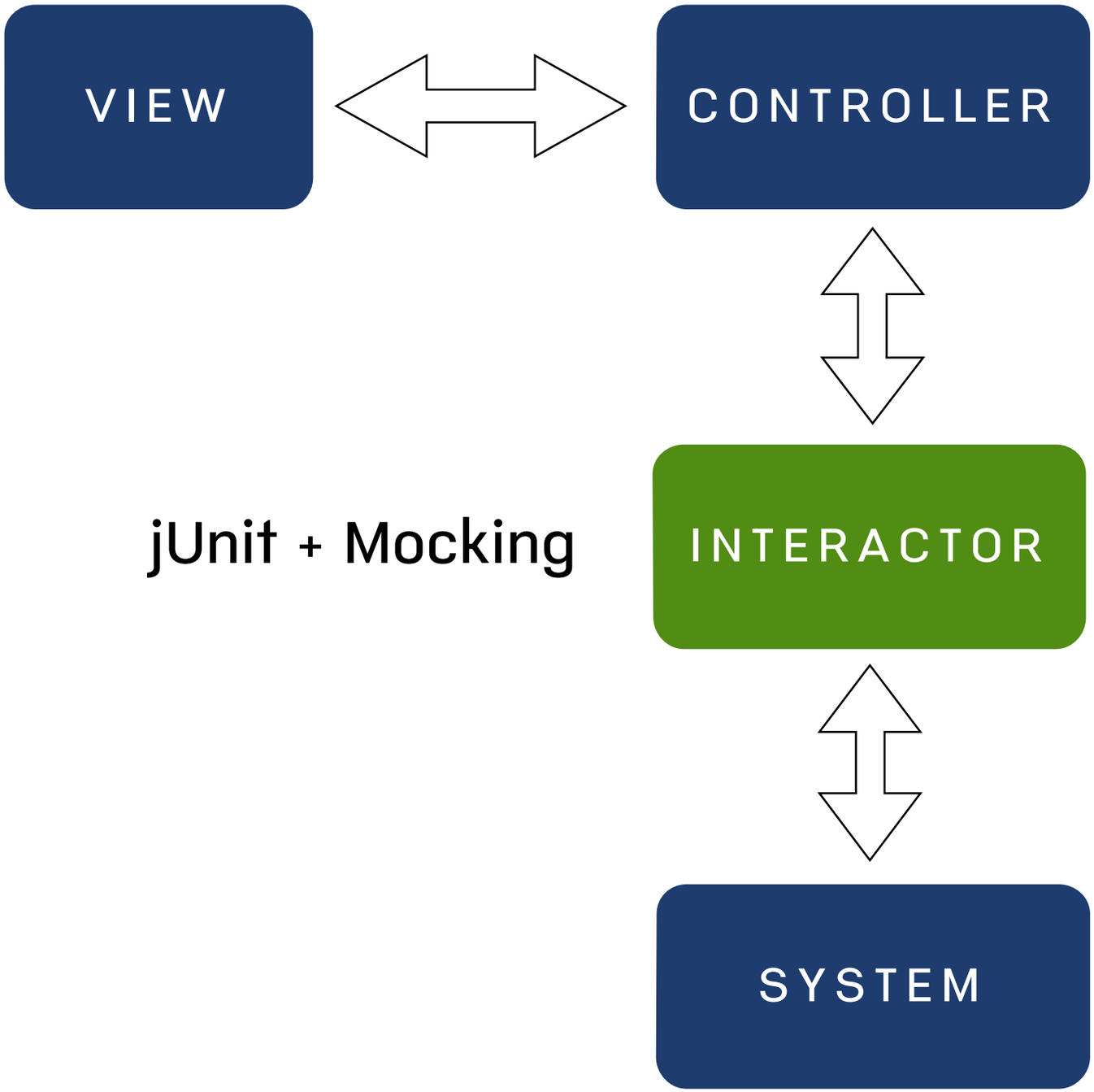
Model	View	Controller
Interact with network	Render model	Handle view event
Interact with database	Manage state	Update model
		Navigation
		Interact with system
		Handle system event

Interactor



Interactor

Espresso + Mocking



jUnit + Mocking

Responsibilities

Model	View	Controller	Interactor
Retrieve data from network	Render model	Handle view event	Interact with external
Retrieve data from database	Manage state	Update model	
		Navigation	

Demo time

Network interactor