

# Adapter Design Pattern

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COMPUTER SCIENCE 323 – SOFTWARE DESIGN

# Structural Design Pattern

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Ease design by identifying simple ways to realize relationships between objects.

Adapter

Façade

Composite

Bridge....

I have an object (a missile launcher) that does not have the methods my application needs

# Adapter

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The main goal:

Convert one interface to work with another.

“Wrapping”

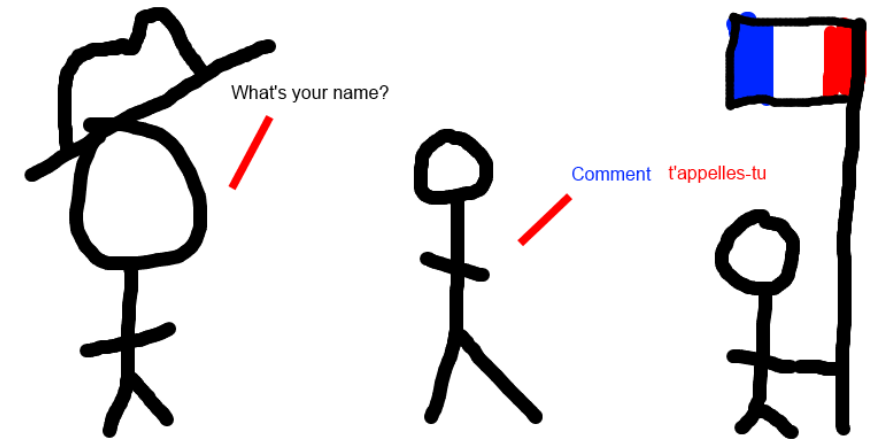
Participants

Target – the desired interface

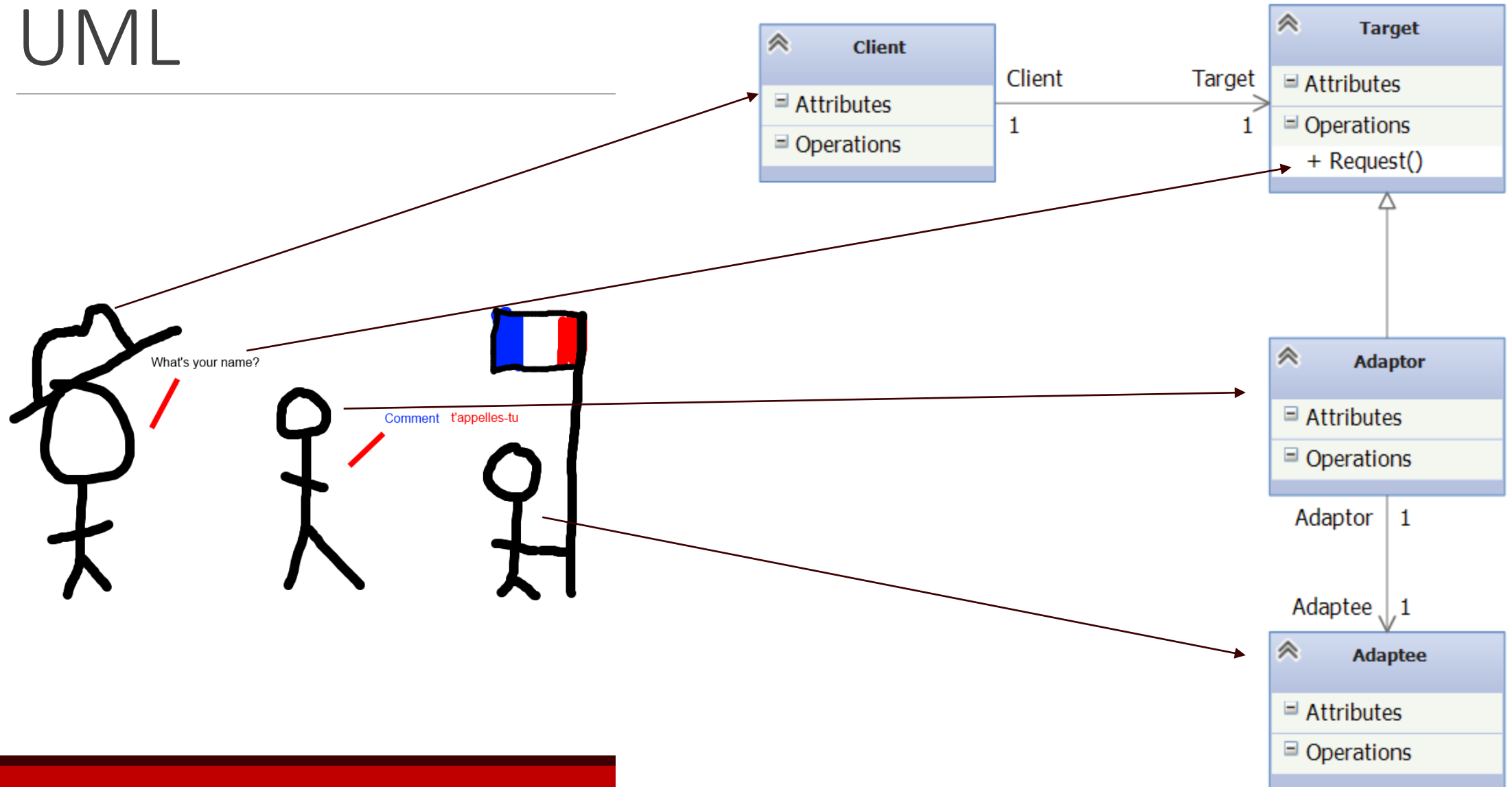
Client – object that uses adapter

Adaptee – object that gets wrapped by new interface

Adapter – object that provides new interface



## UML



# Missile Launcher

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Client

Target

Adaptor

Adaptee

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Your Application

IMissileLauncher

Your Object

OpenSource  
Missile Object



<implied>



# UML

