How to COFFEE?

UML, Just the basics, so we can start to coffee

Of all of our inventions for mass communication, pictures still speak the most universally understood language

Walt Disney

History of UML

UML is Unified Modeling Language

Invented at the 1990’s

www.uml.org

UML goal

It is about communication

It allows us to communicate structure, behaviour and interaction

UML tools

Paper and pencil

Lucidchart

UMLet

Microsoft Visio

And more...

UML diagrams

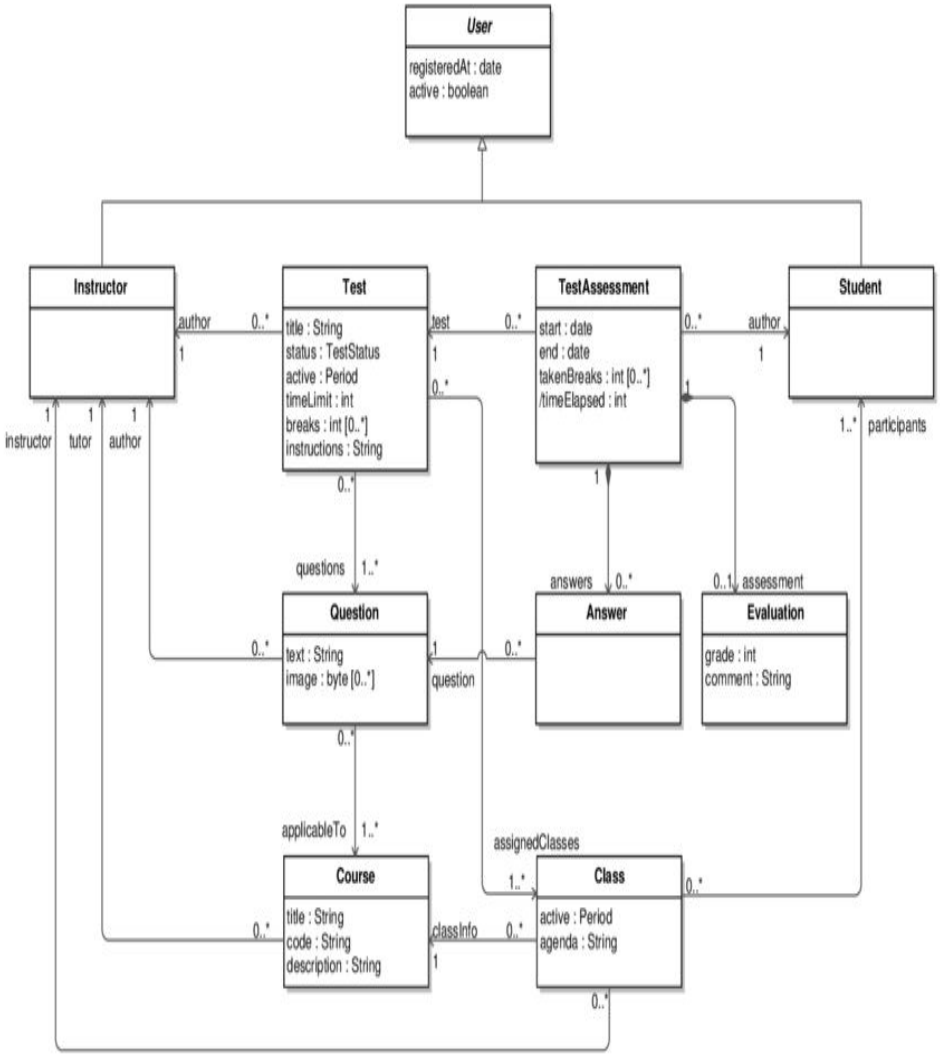
Structure

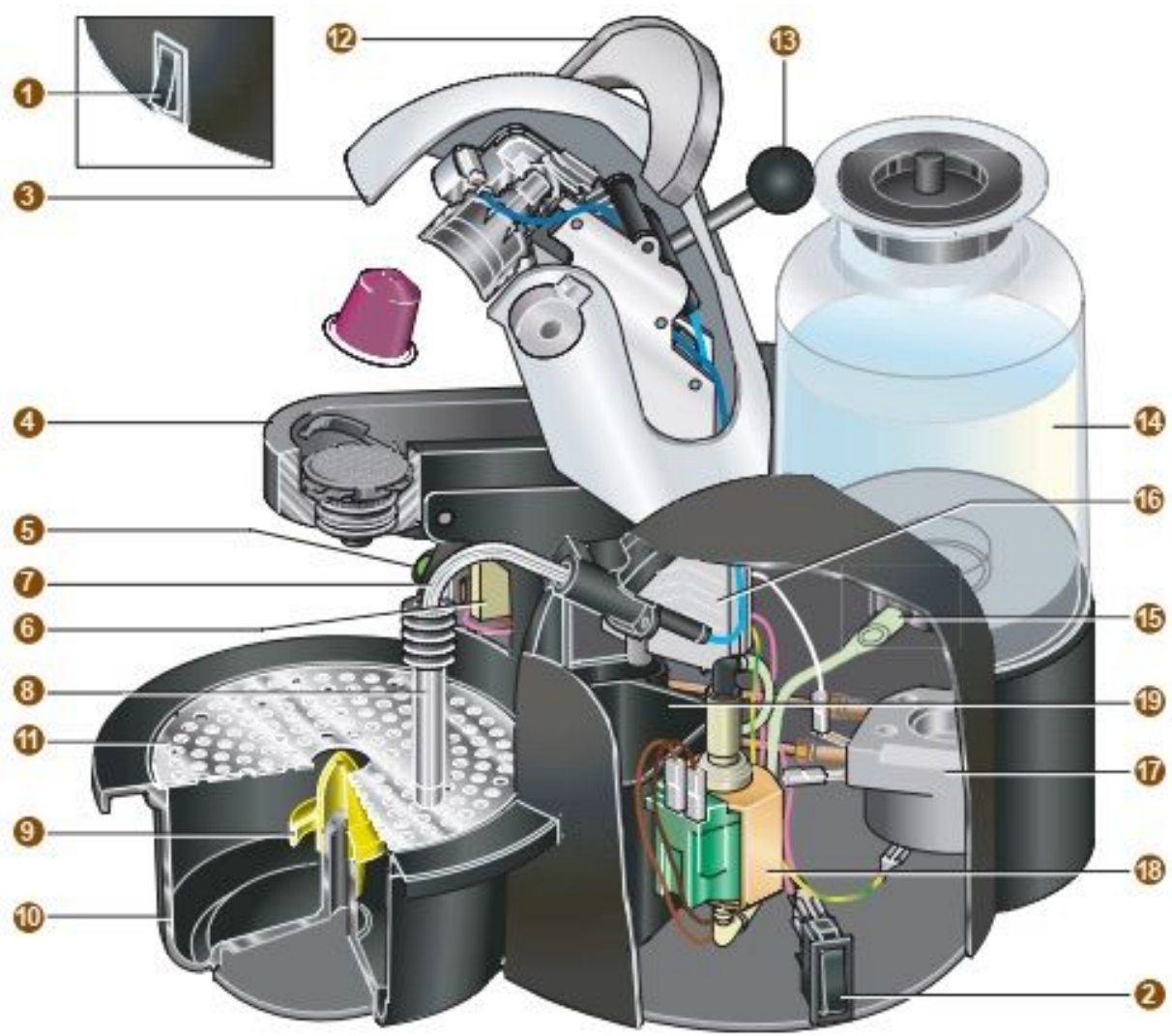
Behaviour

Interaction

Structure

Represents Objects with their fields and methods and their relations to other objects



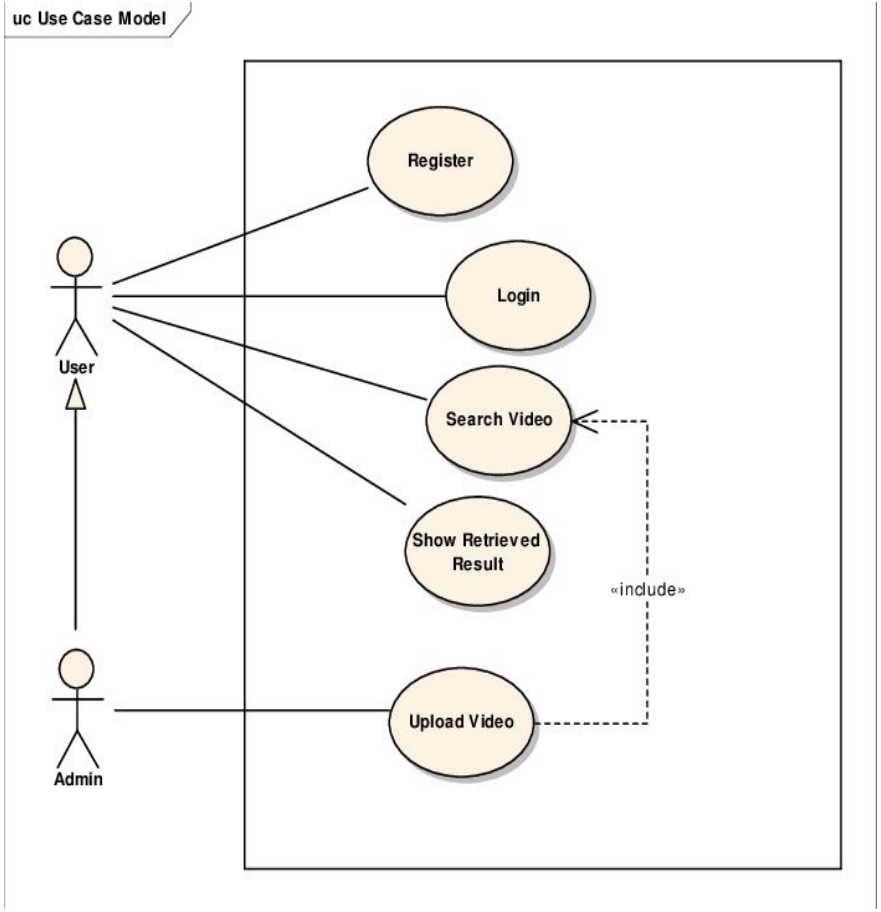


1 Switch On/ Off
2 Switch steam
3 Upper part Jaw
4 Lower part Jaw
5 LED
6 Electronic mainboard
7 Steam pipe
8 Frothing aid
9 Floater
10 Drip tray
11 Drip grid
12 Closing handle
13 Jaw stick coffee / hot water
14 Water tank
15 Water tank connector
16 Condensation room
17 Thermoblock
18 Pump
19 Container for used capsules

Behaviour

How things behave
What the components do

Use Case Diagram
How users interacts with the System



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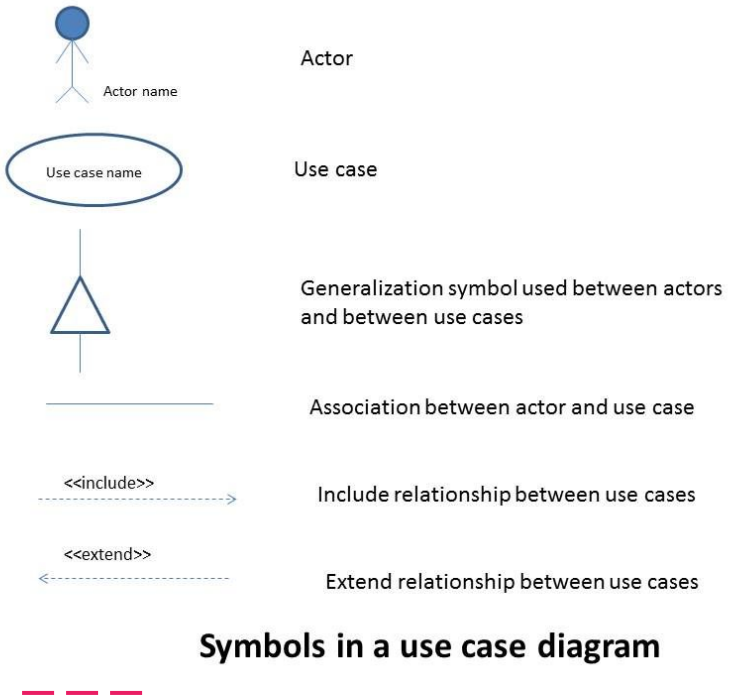


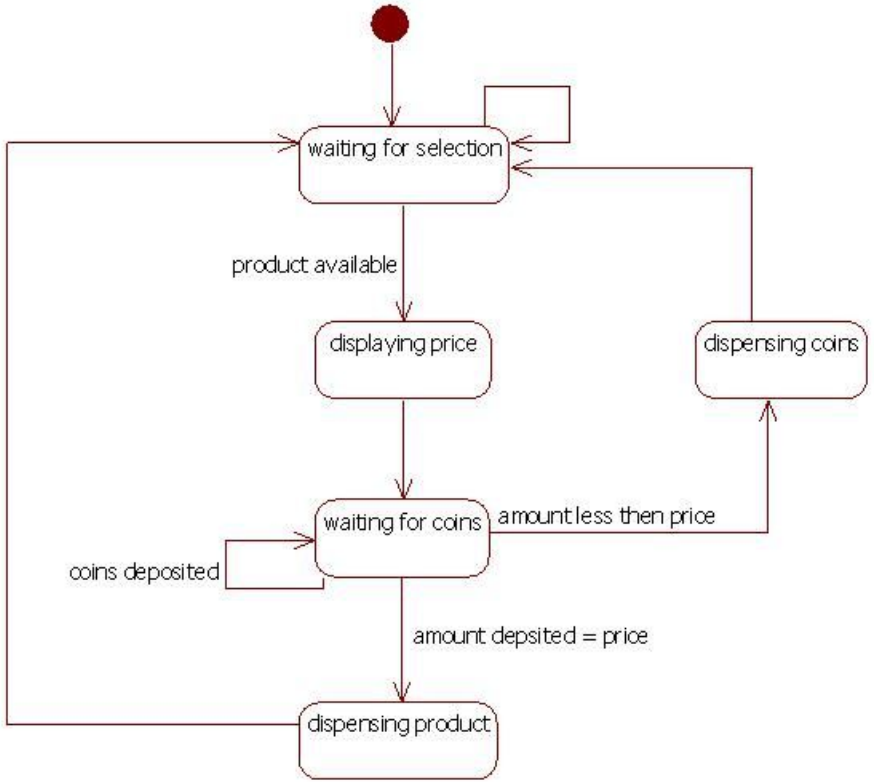
Symbols in a use case diagram

Create the Use Case Diagram

Behaviour

How things behave
What the components do

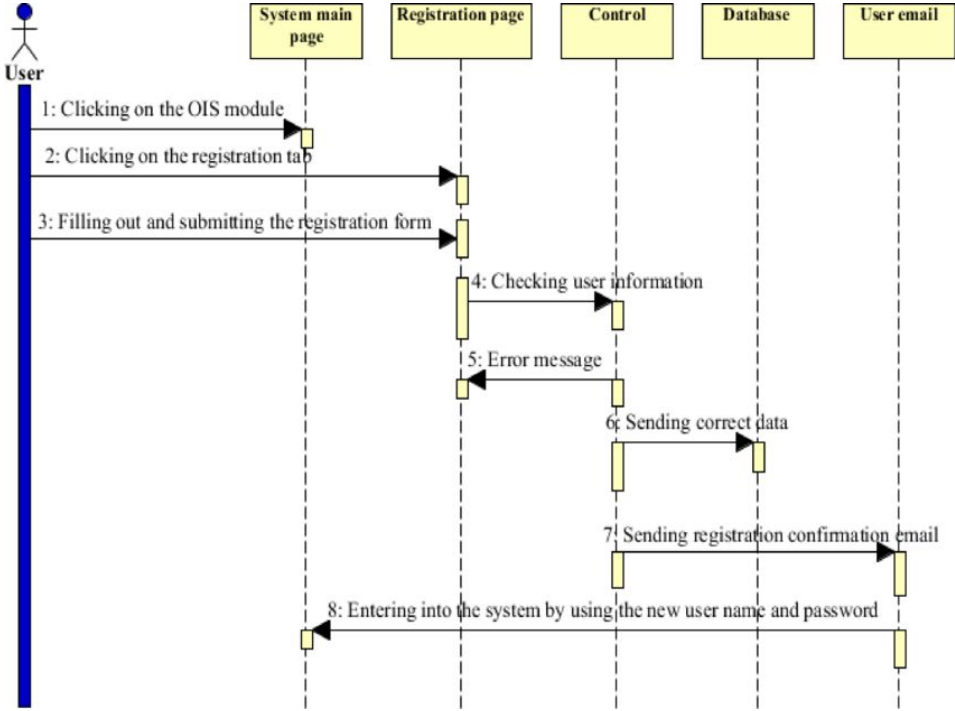
Activity Diagram
The series of steps or actions in a flow



Interaction

How things interact

Sequence Diagram
Sequential flow of communication between components



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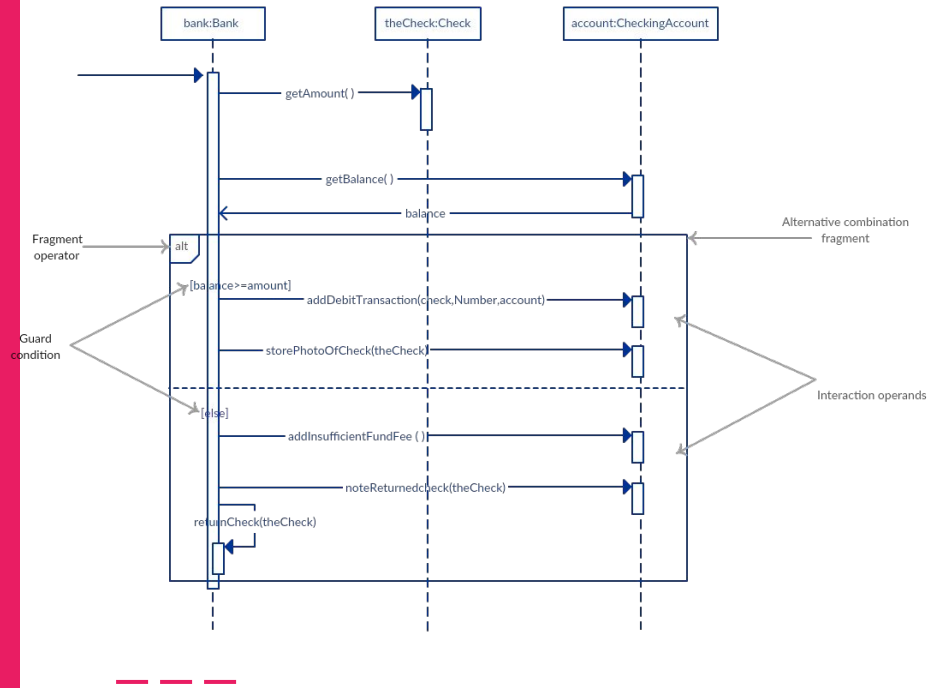

Create the Sequence Diagram of preparing Coffee

The real answer

Questions?