

Exchange App group

A.K.A The Awesome Group

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Requirements:

The hotel construction example



PROJECT



Users



Client



Designer



Engineer

Actors

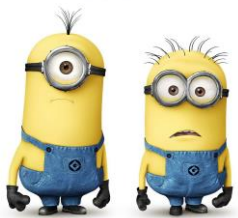
What are the requirements?



"I want a wooden and glass hotel with 50 rooms"



"This is what I want you to build"



criticize *criticize*



The engineer has to review, and take into account all of their wishes to satisfy everyone.

Why?



The first step is to list all the requirements that the building will have to meet to satisfy the users (and thus the client).

All the requirements are not explicitly given by the different actors
→ a good engineer has to make a list the more complete possible

Otherwise...



Hotel finished



Oh no, we forgot the
hydraulic network
installations



Redo

WASTE OF
TIME,
RESSOUR-
CES AND
MONEY

How to do it?

- Take into account the requirements coming from the different actors (input data)
- Communication with all the actors
- Find all the possible problems that can appear at any stade of the project and find a solution in advance
- It is a very detailed analysis
- Be smart and rigorous
- Use data of old projects → experience
- Classify the requirements following their importance and their categories
- Use models and simulations

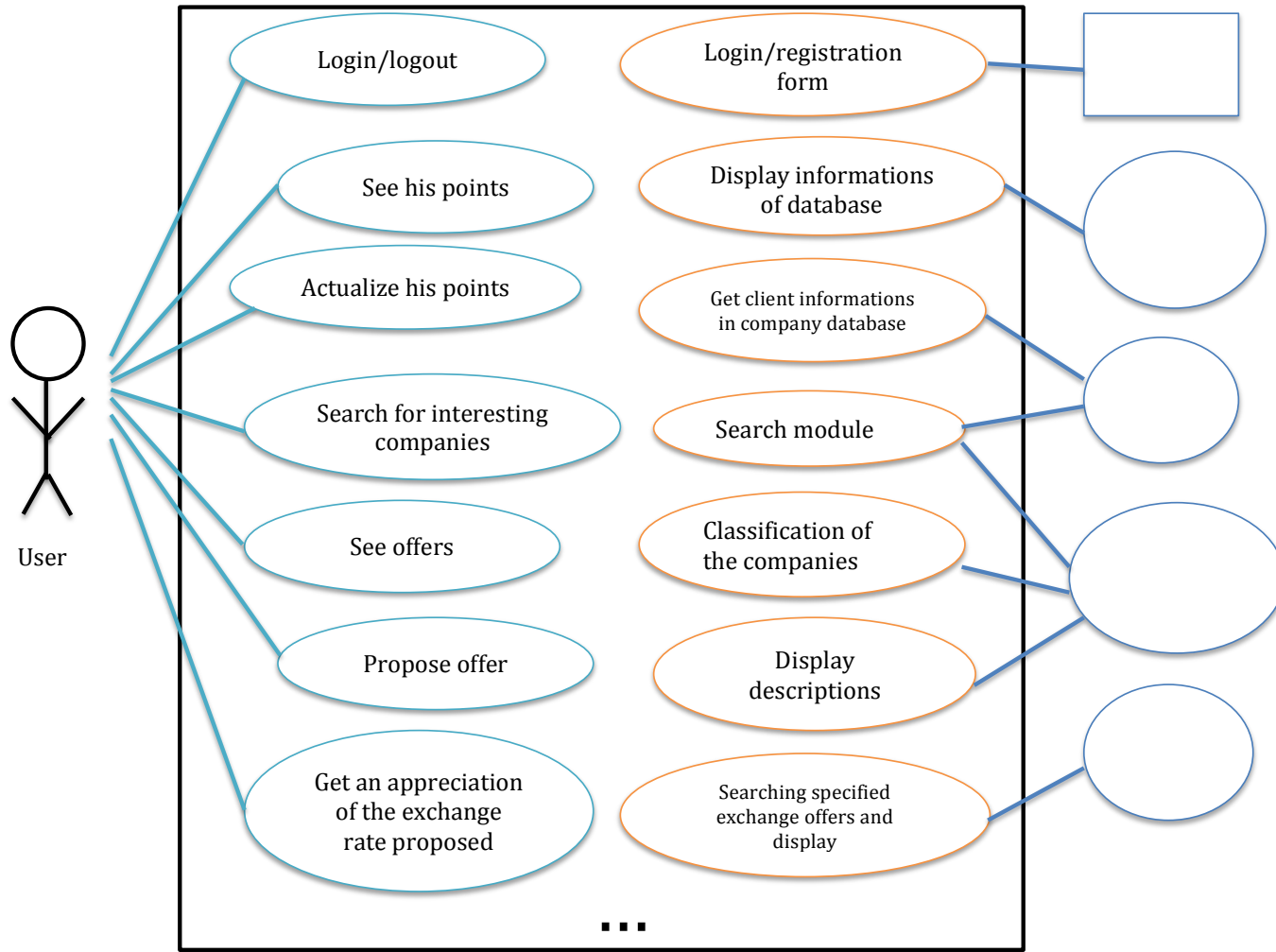
In our software...

1. Listing of the client's and other actors' requirements
2. Determine the other needs of the users
→ functional/environmental/user interface/... requirements
= synthesis of the needs for the project
3. Establish a functional model + a behaviour model
4. Precise the models

Tools

- Functional models
 - Data models
 - Behavior models
 - Sequential models
 - States Transition models
 - ...
- UML diagrams (9 categories, select the adequate ones)

USE CASES UML



Activities diagram

<see Artem's paper work>

Our app preview











