

UNIVERSITÉ CATHOLIQUE DE LOUVAIN



LINGI2252

SOFTWARE MAINTENANCE AND EVOLUTION

Home Automation System – Lab 1 Review Group T

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1 Overall presentation

This is not really pertinent regarding to content, but we still reviewed the visuals of the document.

1. The lexicon should contain useful definitions. Explaining where the lights are does not fit that requirement.
2. The lexicon should not explain how an element behaves. You could put it in the scenario or in a legend.
3. You could rotate (and center) the FeatureModel. We can rotate it manually but I guess not everyone will want/know how to do that.
4. You forgot the capital letter in *Movementsensor*.

2 Contents

1. You did not include the required scenario.
2. The lexicon lacks a proper definition of the actuator.
3. If the actuator is something that reacts to ... Then the smoke detector (mandatory) should imply the alarm.
4. How is the feature "bed" in the bedroom a relevant feature ? Your model/scenario does not explain this.
5. The *locking mechanism* does not require any lock (although the shutter control does imply shutters).
6. The model allows a configuration to select *actuators* by itself but without anything in it. Maybe use an "OR" condition or a mandatory feature inside?
7. *Camera* is a sensor that is not used anywhere in the model.
8. The model does not imply that a *ShutterControl* requires a *clock* although you said it in the lexicon. You can use a constraint to state that requirement.

9. You have *Lights* and *GardenLights*. Do you not consider that *Lights* could include them all?
10. Your model's biggest subtree is *Home*, but only the *Lights* are in the constraints.
11. Why are the rooms at the same level as the appliance (lights, shutters, air conditioner) in them? Use subtrees, it makes the model easier to read.