

## Programming of Interactive Systems assignment 2

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assignment 2 :  
a control panel for a smart home  
... the return ...



## smart home control panel

the control interface will run on a panel inside the smart home



image from smart-home-blog.com/



image from www.cedia.org/

## assignment 2 : process

- in pairs
- chose ONE project
  - **redesign**
  - **extend**
  - **(50-50%)**

## assignment 2 : what to do

### Option 1: Redesign

real life: when, why?

1. The 4 functionalities + 3 extensions from assignment 1
2. But with **new** interactions
3. Creativity and difference is important

## assignment 2 : what to do

### Option 2: Extend

real life: when, why?

1. The 4 functionalities + 3 extensions from assignment 1
2. A way to  
add new rooms  
edit 2 visual properties (e.g. color, position)  
Save/Load  
program multiple houses

## assignment 2 : what to do

### Option 3: Redesign & Extend

real life: when, why?

1. The 4 functionalities + 3 extensions from assignment 1
2. Redesign at least 2 of the above interactions
3. Add at least 2 new extensions

## assignment 2 : submission

In 3 parts

- send the **storyboard** of your techniques (on paper or slides before implementation). Due **15 Nov**.
- send **code** and **brief description** that describes the main functions of the techniques/interactions. Due **THURSDAY 12 Dec**.
- give us a **demo** on **13 Dec**  
10 min max  
slides or talk, but we must see your program running  
all team members must talk

see announcement online on how to submit

## assignment 2 : advice (the same)

- before starting define the limits of your project
  - more functionalities  $\Rightarrow$  better marks/product
  - realization of your ideas/concepts that are clear, easy to use and work well together in the interface
- implementation
  - test your code
  - always have a stable version (« release »)
  - avoid unexpected states in the interface
  - give feedback to avoid user errors
- you can be creative (you are encouraged!!!), but always within your abilities. Simplify if needed.

## assignment 2

If you run into problems contact your TA  
and/or Anastasia, the earlier the better

Good luck!

