

COLLABORATIVE PROPOSAL (DRAFT) | RUSSELL SMITH & CRAIG DENNIS

CONCEPT SUMMARY

Multi touch interactive interface requiring finger gestures to control and customise an environment.

SPECIAL FEATURES

- Draw to create any object within an environment including visual displays (such as televisions).
- Create light, sound and moods.
- Quickly change the function of a room.
- Use of preset rooms including users sharing their own templates.
- Wireless control of created objects.

TARGET AUDIENCE

Given the futuristic nature of the concept, the main target audience would be those with experience using existing touch devices but also people looking for a change in lifestyle. While this is the case, there are aspects that will address inexperienced users such as young children and some elderly that struggle with technology.

FLOW

“Wireframe goes here”

CONTROL METHOD

The control method is direct interaction with the environment.

HOW WILL IT BE BUILT?

Prototype

- Webcam tracking user’s interactions via “Blob tracking”.
- Projector demonstrating the scale of the concept.
- Computer running the application.
- Processing and Java.

Fully realised

- Currently technology does not allow the concept to be fully realised in a practical and cost effective manner.
- The display will be OLED or future incarnations due to the high contrast, flexibility and ability to generate its own light.
- The input control system will be touch recognition as opposed to visual camera tracking to reduce components needed in each surface and to provide more accurate input tracking.
 - This allows existing homes to be adapted to the technology as it can be sold on a roll.

HOW WILL IT LOOK?

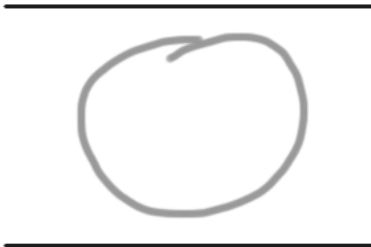
TELEVISION

The television has been scaled up to fit the whole wall to give the cinema experience. This also means it allows 21:9 full letterbox aspect ration. Ambilight technology could be applied to the surrounds of the TV



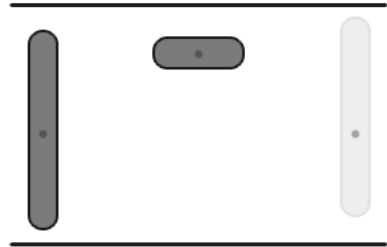
UNDEFINED

The undefined shape has yet to be given properties. Shapes like this disappear after a pre-determined time but the process allows for people to create shapes for fun. They can be saved as images.



SPEAKER

The speaker has been drawn and allocated the 'speaker' property meaning it can then be linked to any other object that can generate sound. This allows for immersive sound while watching films. These can then be 'auto-hidden' so as unobtrusive to the media environment.



BREAKDOWN

“Progress map”