User Experience Engineering Design Thinking

Auer Thomas

October 16, 2022

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dea gathering

Joodie

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Storyboards



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storyboards

eferences

Idea gathering

Doodle

Choices

Storyboards

Idea gathering

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Idea gathering

Doodle

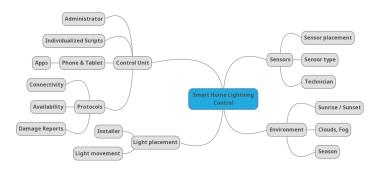
Choices

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References

Lightning control in smart homes and similar environments

Idea mindmap



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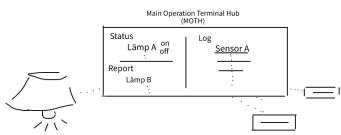
Idea gathering

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Doodle - Control Unit



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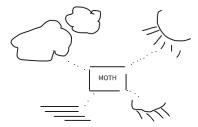
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Doodle

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Storyboard

Doodle - Environment



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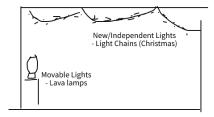
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Doodle

Choice

Storyboard

Doodle - Lights



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Choice

Storyboard:

Choices

- MOTH interaction
 User feedback, system pulse
- 2. MOTH programmability

 Data aggregation, remote API fetch, ...
- Sensor interaction Touch, Movement, Temperature, Sunshine, ...
- Sensor programmability What/How/When sensor activates and transmits
- Cannot interact with seasons or weather.

Storyboards

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- 1. MOTH individualization for user interaction
- 2. MOTH programmability for advanced data aggregation
- 3. Sensor interaction for different input/output methods

MOTH individualization



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Storyboards

MOTH programmability



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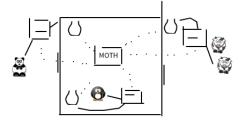
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Sensor interaction



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- 1. Mindmap https://app.mindmup.com/
- 2. Drawings https://sketch.io/sketchpad/