

Assessment 1

ADAD3402 Interactive Generative Visualisations

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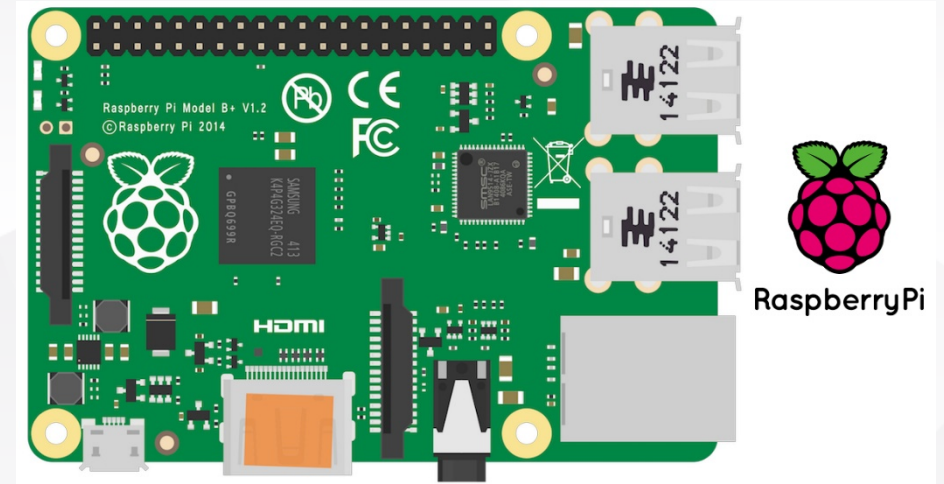
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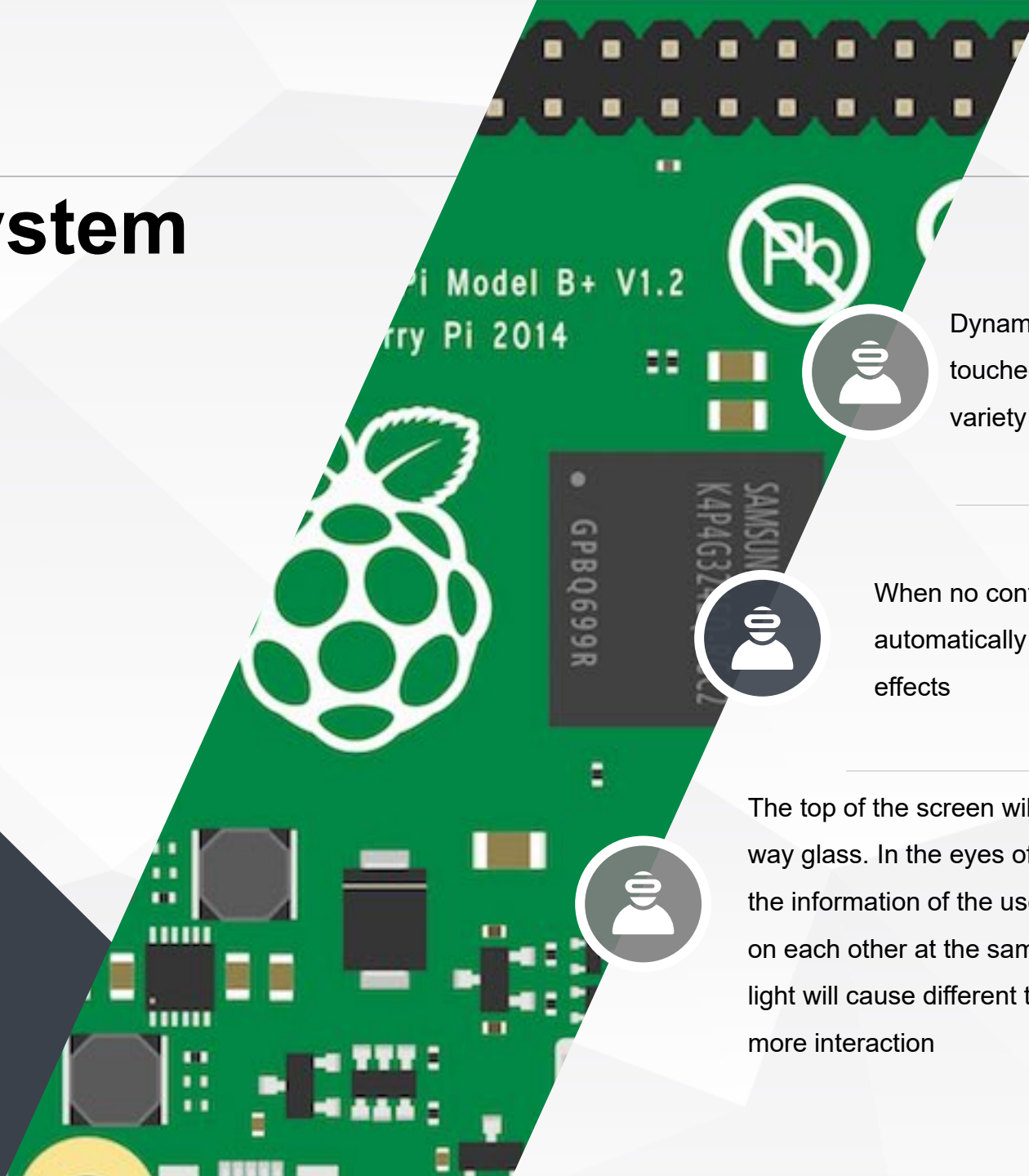
The Concept

MagicMirror²

MagicMirror² is an open source modular smart mirror platform. With a growing list of installable modules, the MagicMirror² allows you to convert your hallway or bathroom mirror into your personal assistant. MagicMirror² is built by the creator of the original MagicMirror with the incredible help of a growing community of contributors.



Working System



Dynamic screens which can be touched and gestured to create a variety of interaction



When no contact is detected, it can automatically play music and loop special effects



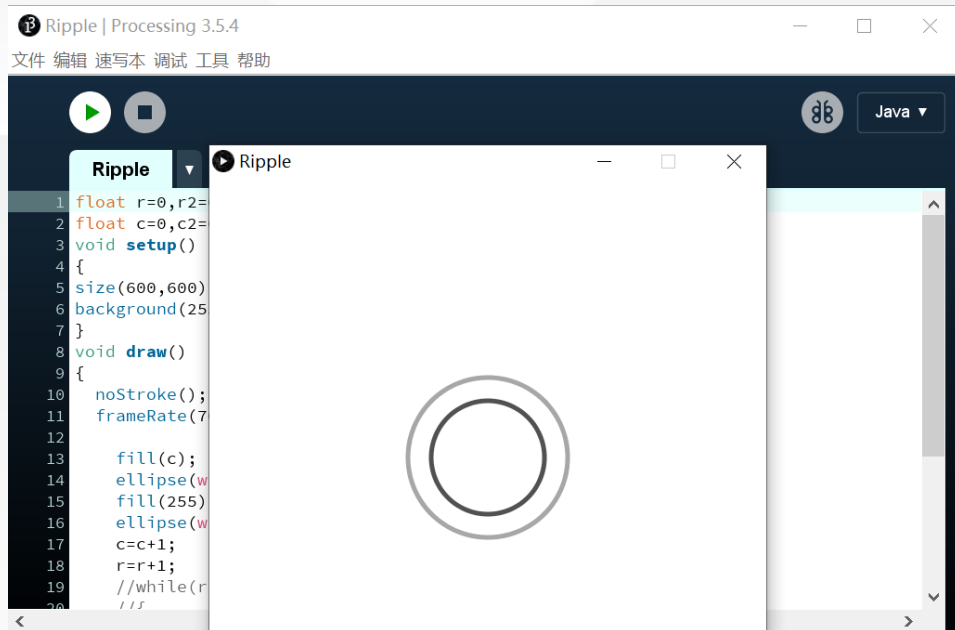
The top of the screen will be covered with a layer of one-way glass. In the eyes of the user, this screen can see the information of the user and the screen superimposed on each other at the same time. Different directions and light will cause different transparency, thereby creating more interaction



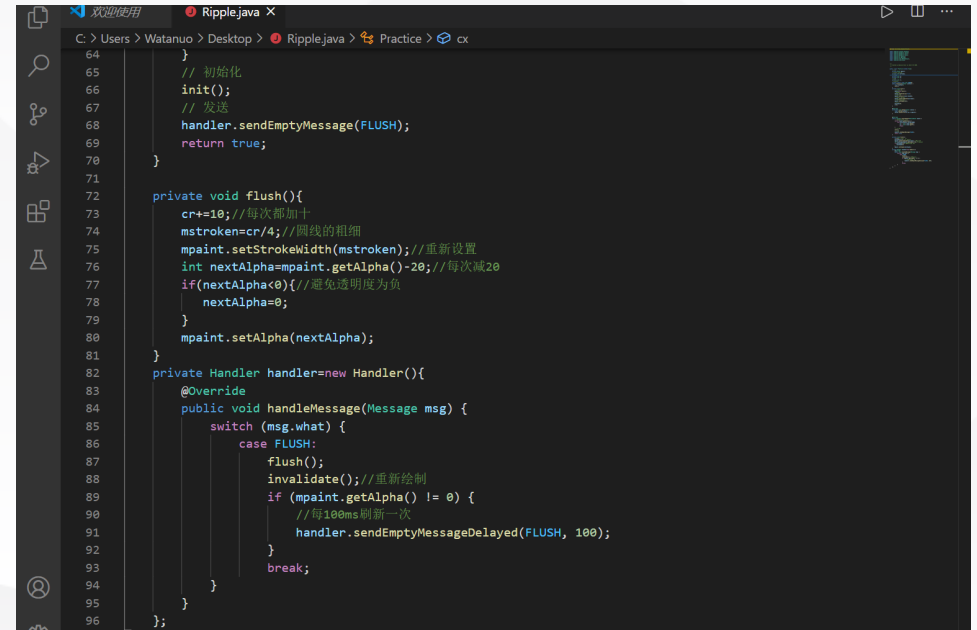
<https://vimeo.com/171152845>

HERE IS THE VIDEO LINK

Interaction principle



Touch the screen to get special effects feedback



Can still provide dynamic effects without interaction



Interaction Scenario





Possible Limitations

01 The entire device may not be able to show a variety of interactivity by receiving screen size restrictions

02 The transmission effect of unidirectional glass may need more evaluation

03 Can't provide a very powerful sense of immersion

List of materials

1. LCD Touchable Screen

2. Raspberry Pi 4

3. Pine Board

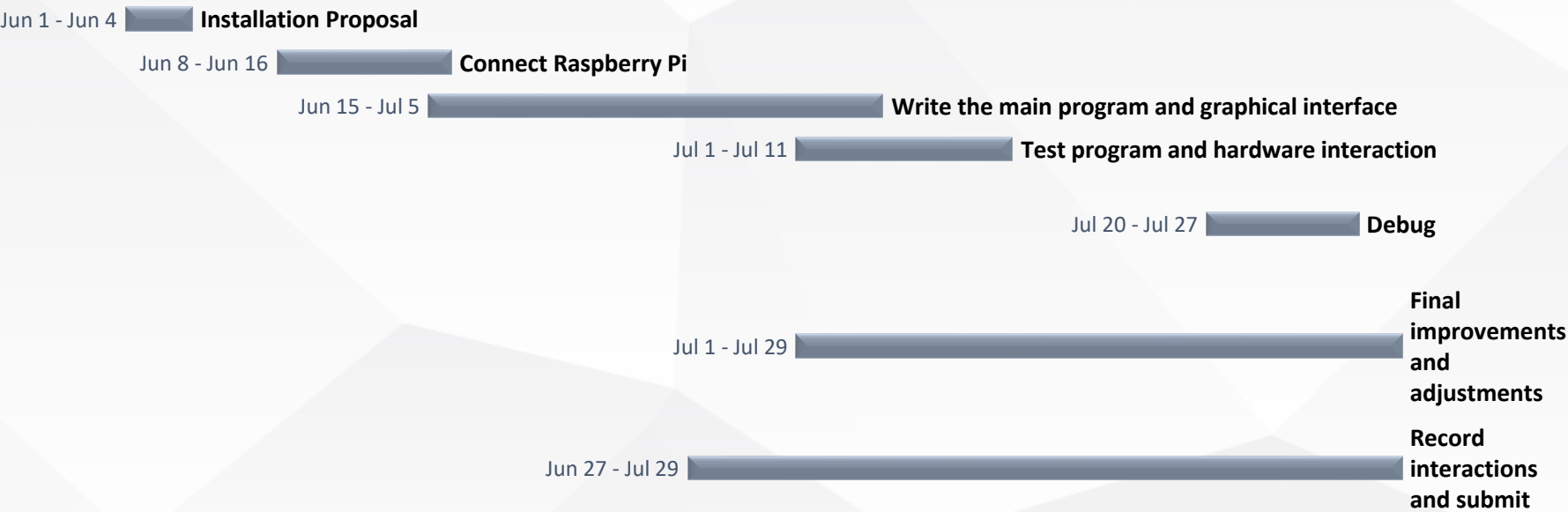
4. 18650 Battery

5. Single-sided glass

6. Speaker (Optional)

7. Power strip and cord

Production Timeline



2020

May

June

July

2020

THANKS

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