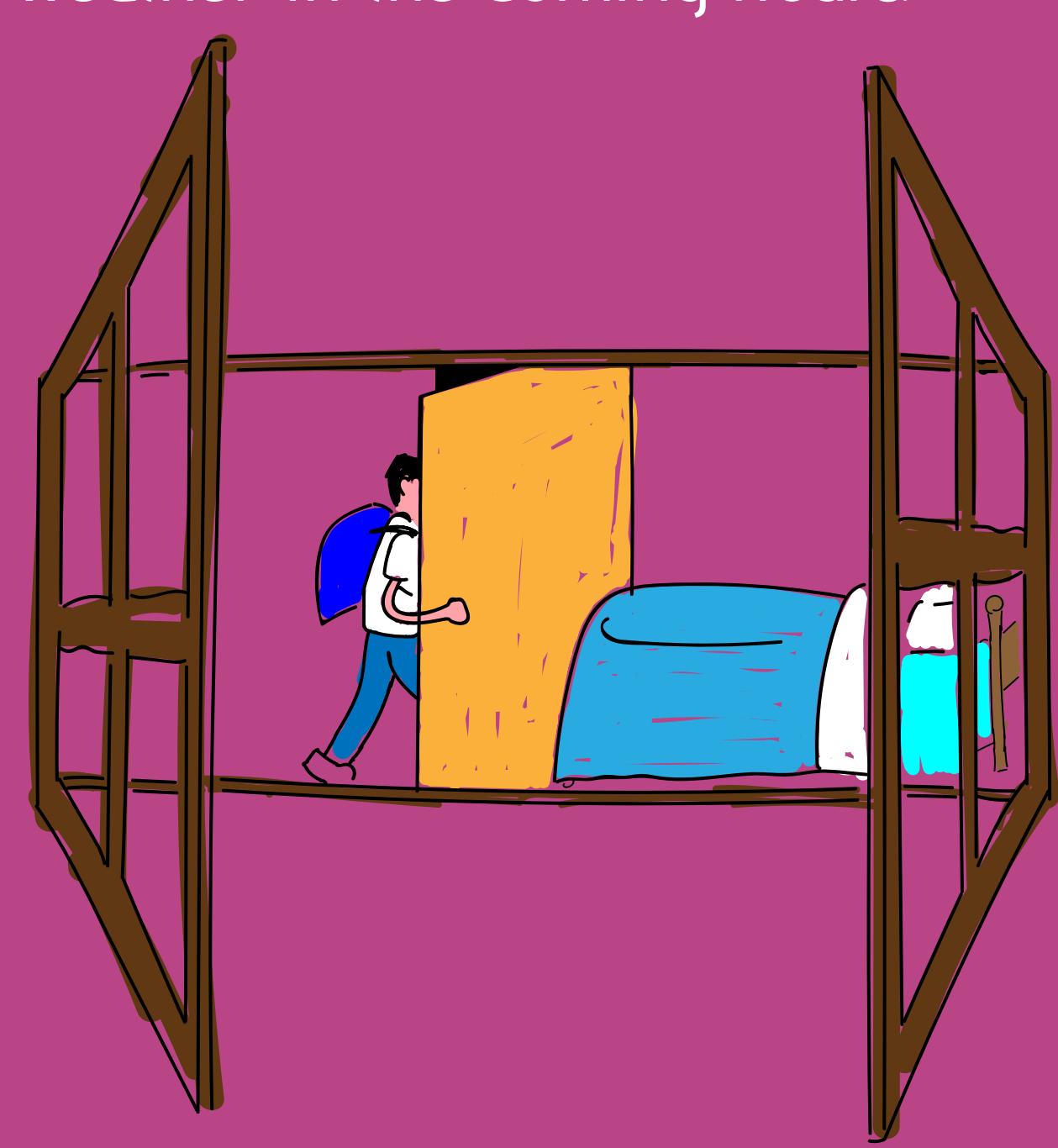


The Smart Window

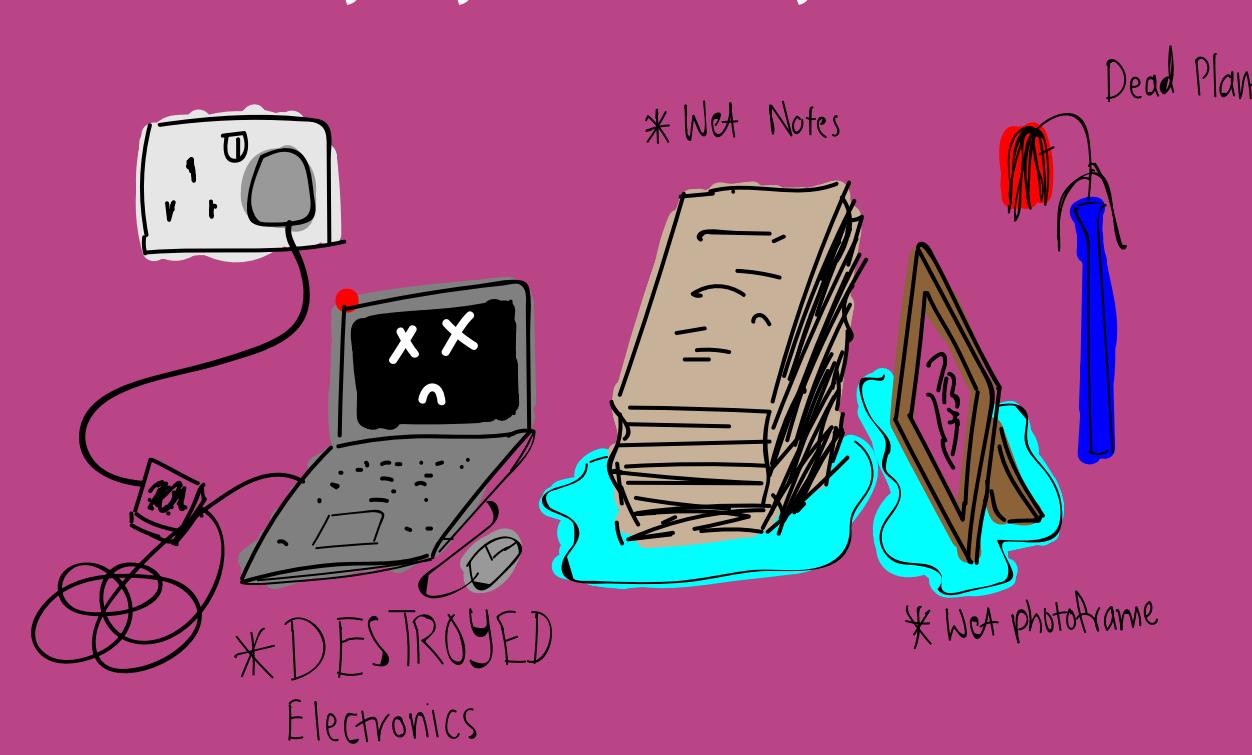
Day 1:

Our Problem

User leaves the room without shutting the windows. He thinks nothing of the weather in the coming hours.



User returns to the room at the end of the day. To his shock, he finds out that his room is soaked to the core and much of his belongings destroyed.



Day 2:

User leaves the room with the windows shut. He thinks of the weather in the coming hours.



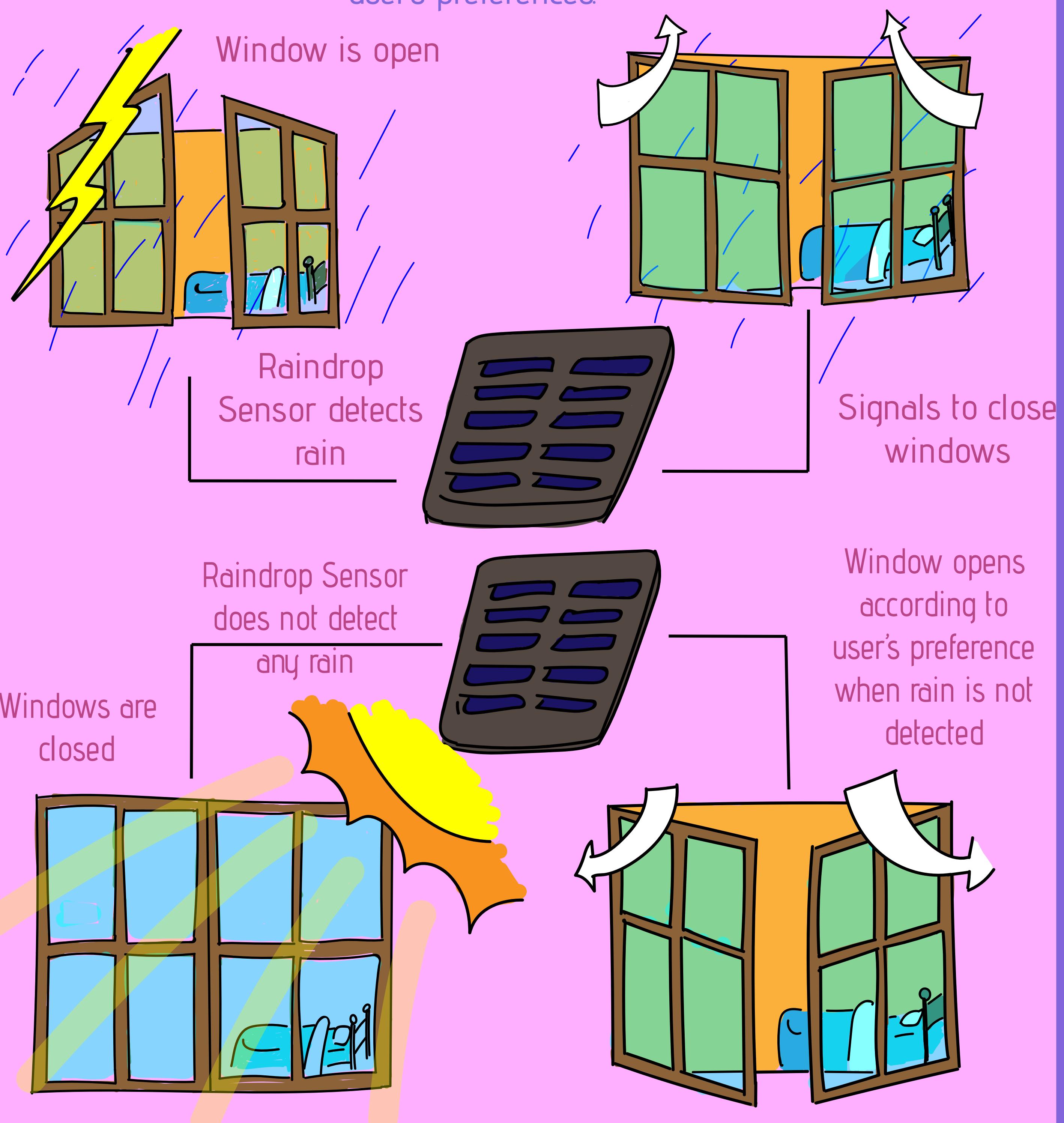
User returns to the room at the end of the day and was annoyed to find that his room is extremely stuffy and hot.



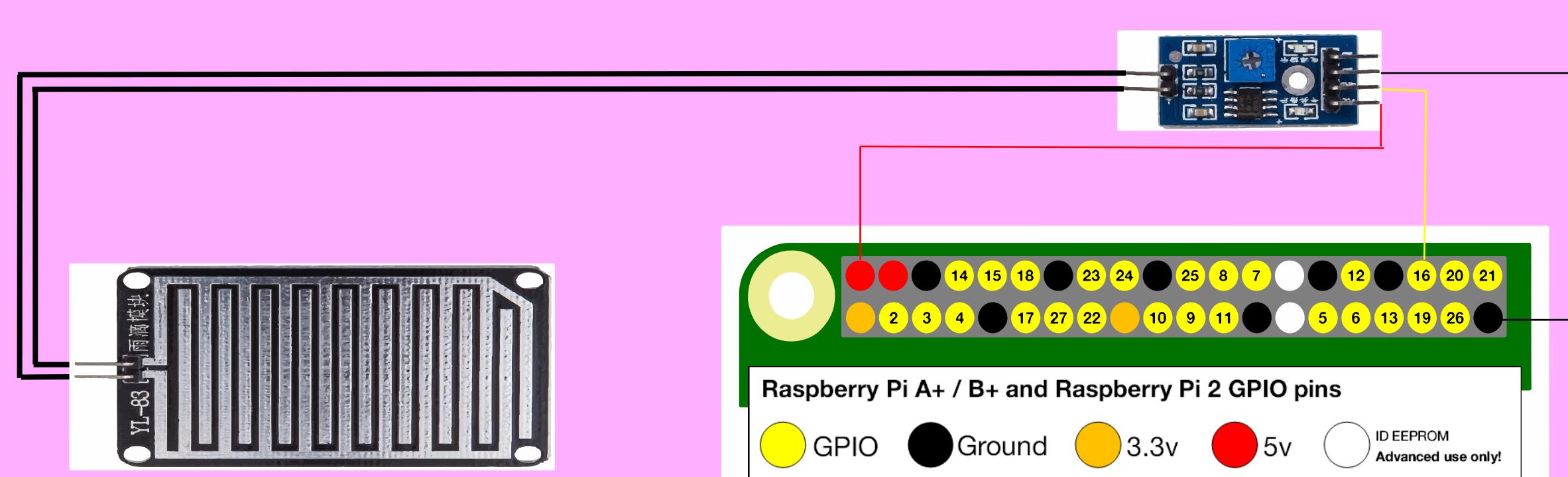
The sun was shining at full capacity into the room through the windows earlier on.

Our solution

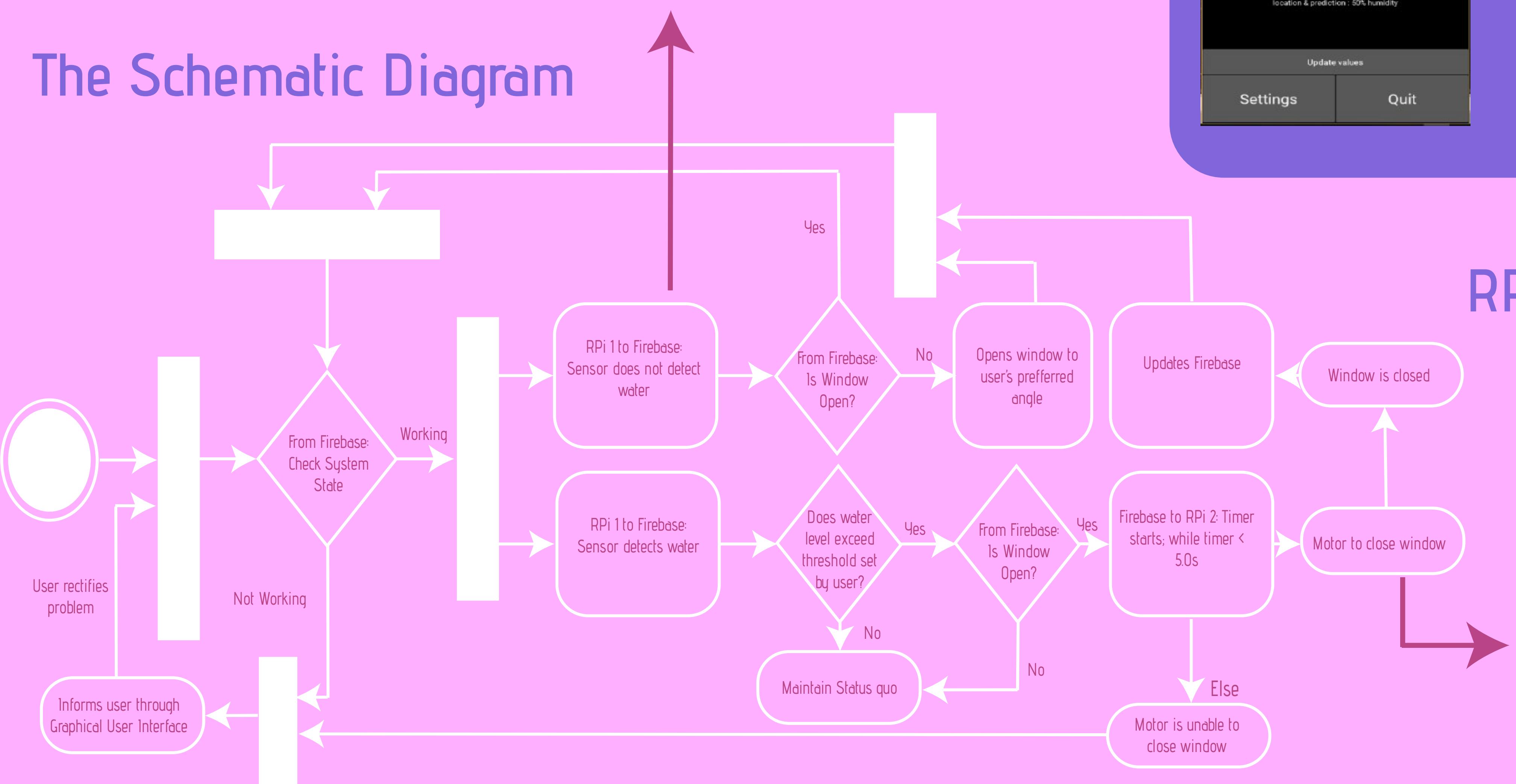
Our SMART Window is an automatic system that closes or opens the window based on the user's preferences.



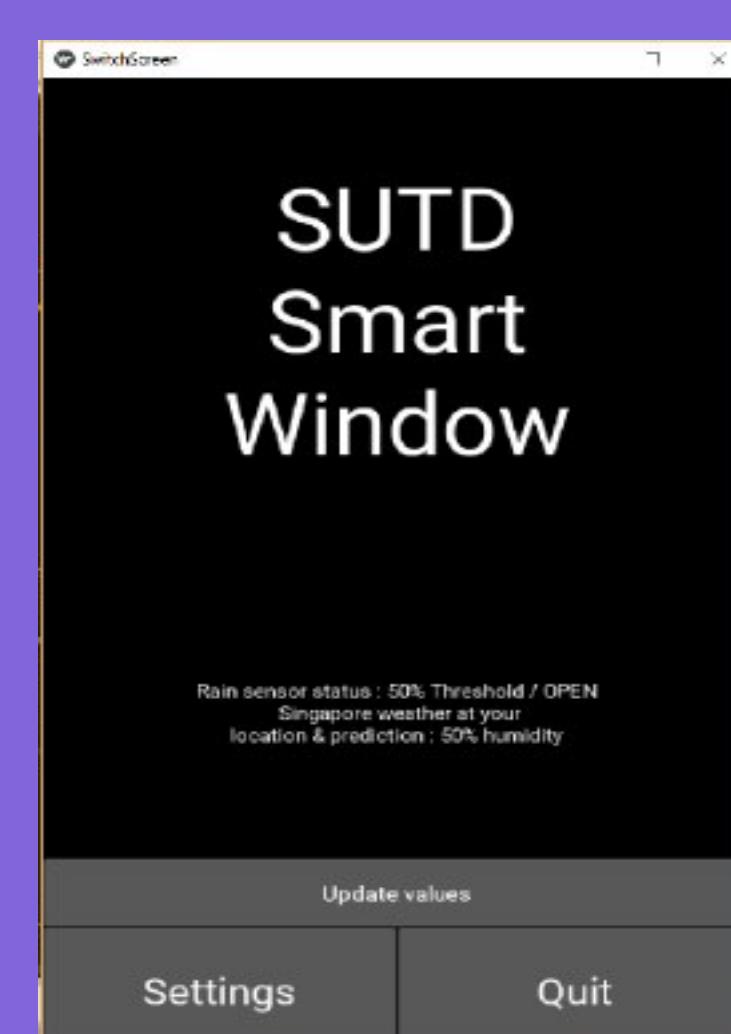
RPi 1



The Schematic Diagram



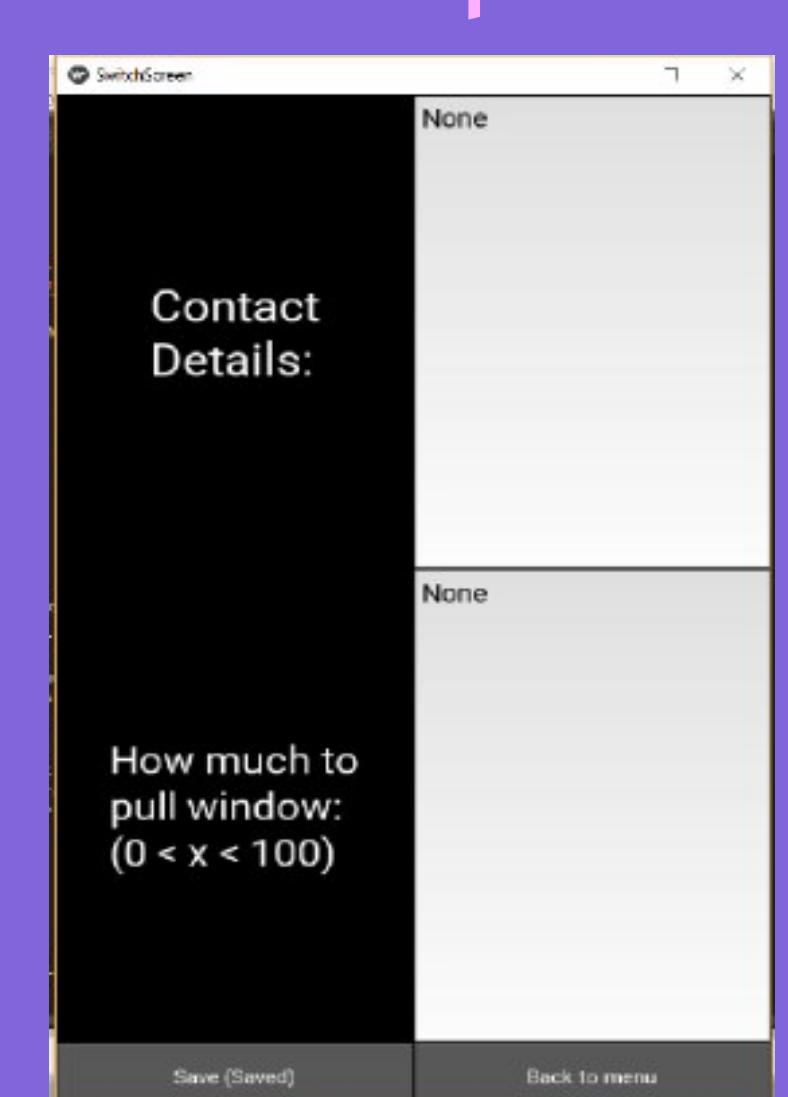
User Notification



When?

1. Window is closed
2. Window is opened
3. Motor is at fault

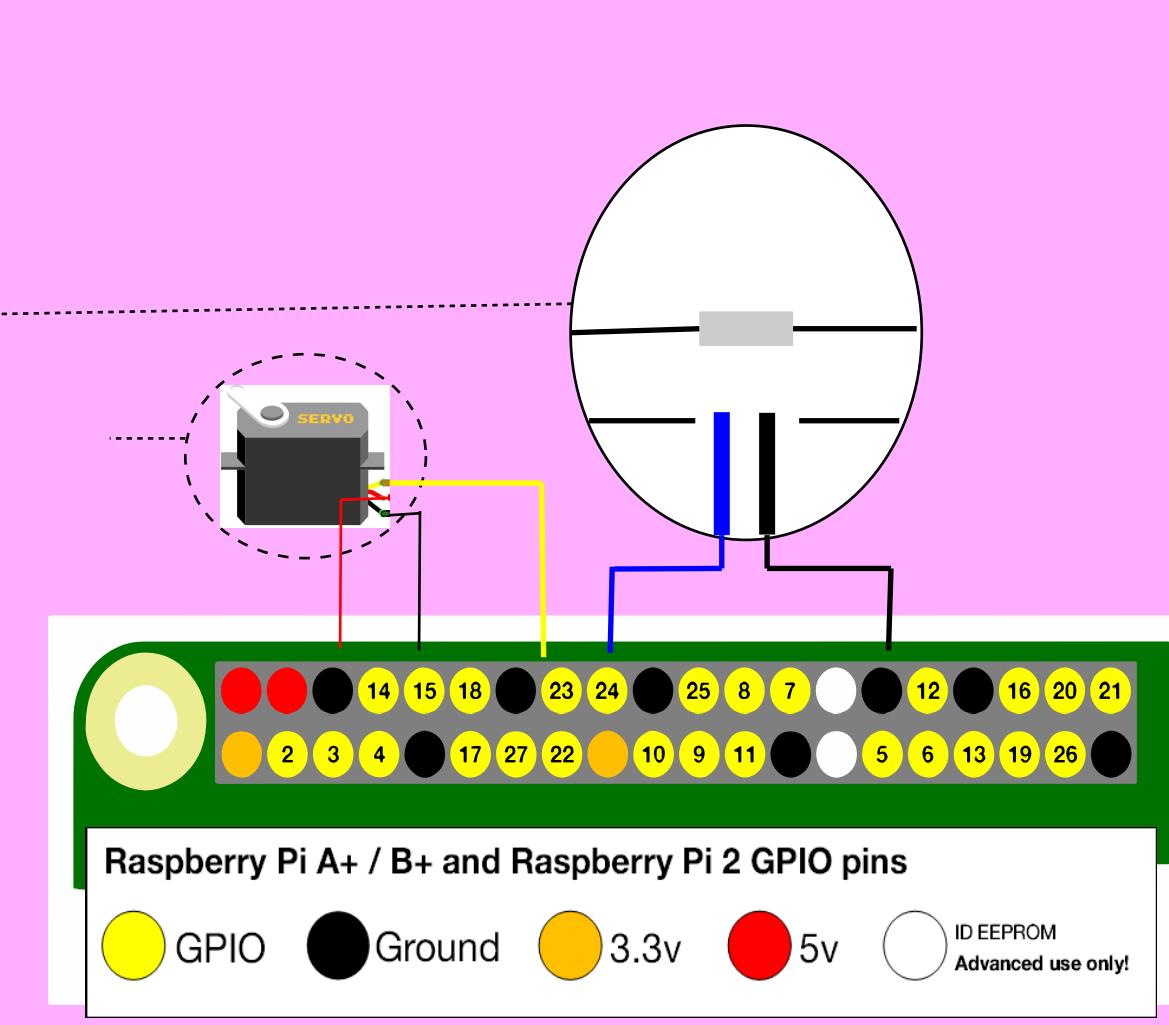
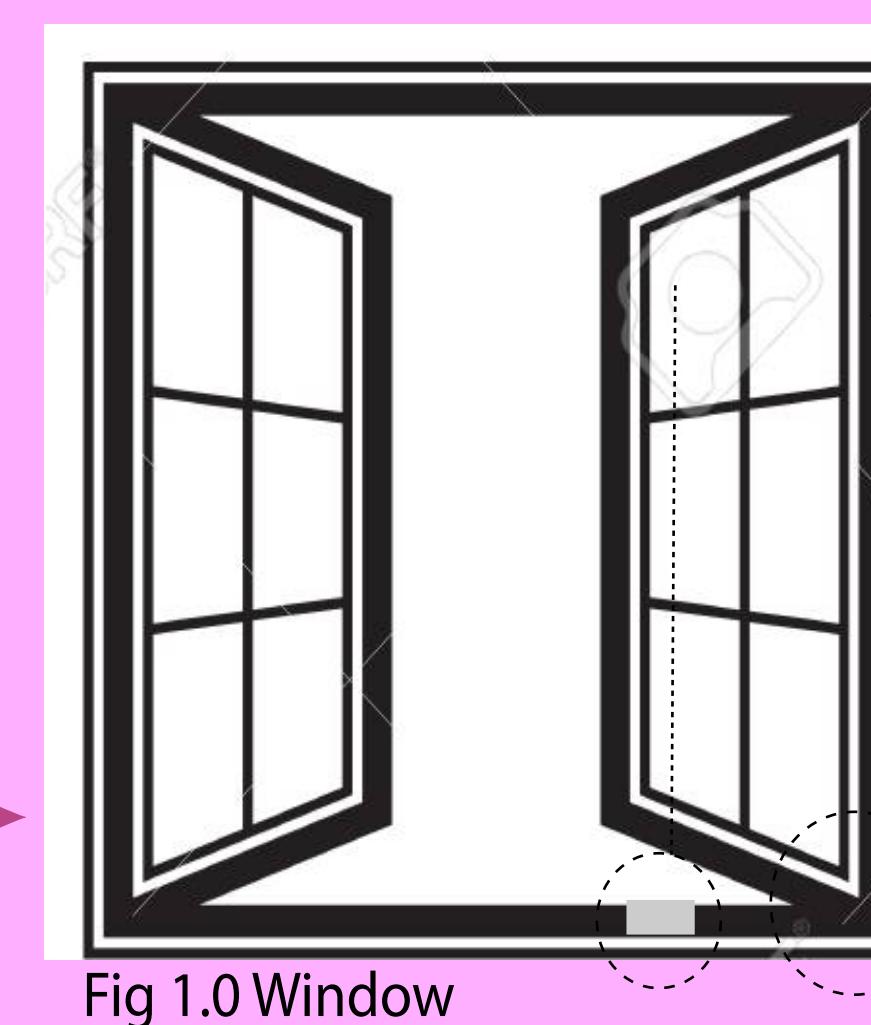
User Input



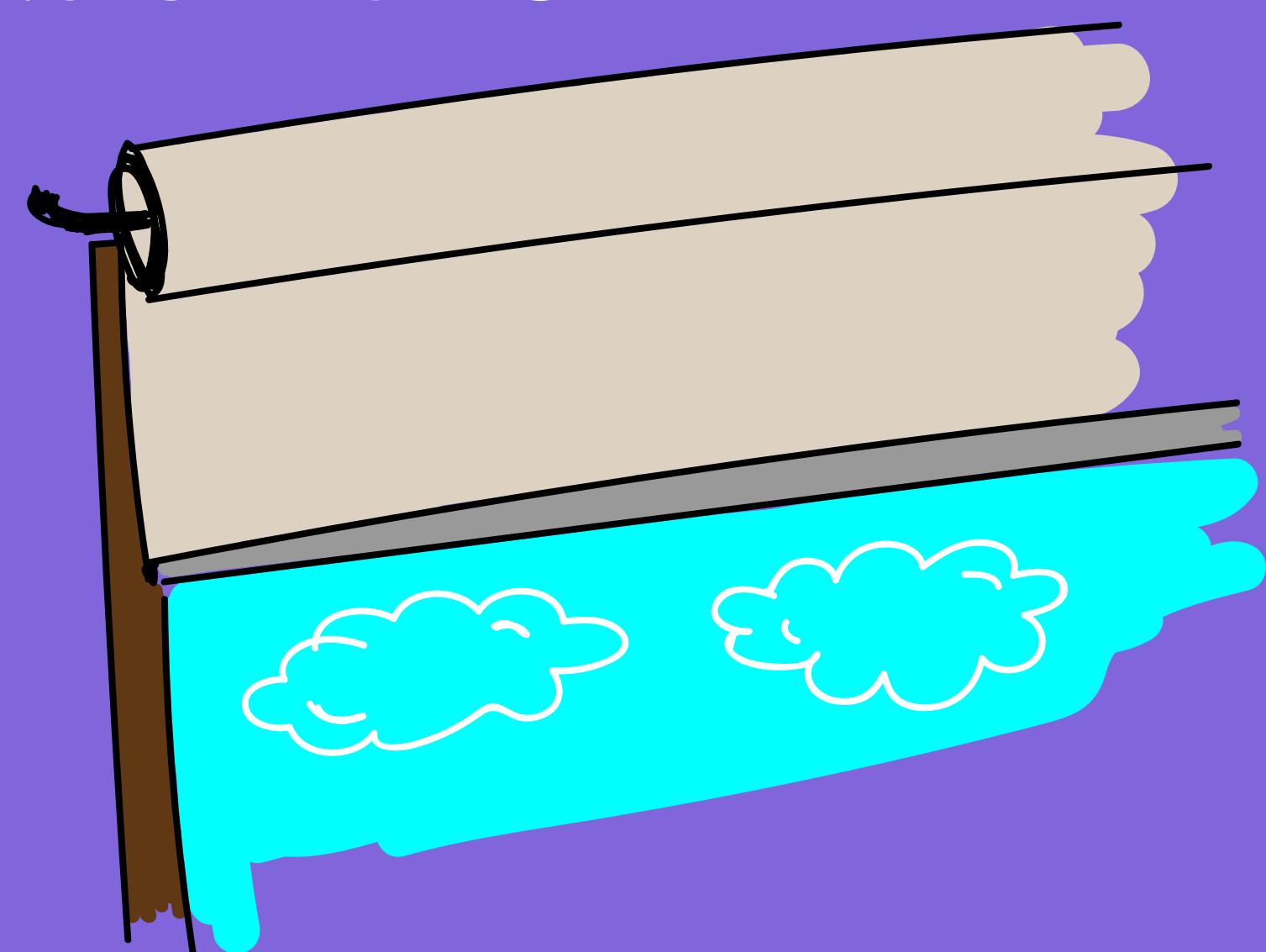
How?

1. Contact Details
2. Preferences of Window Angle

RPi2



Future Works

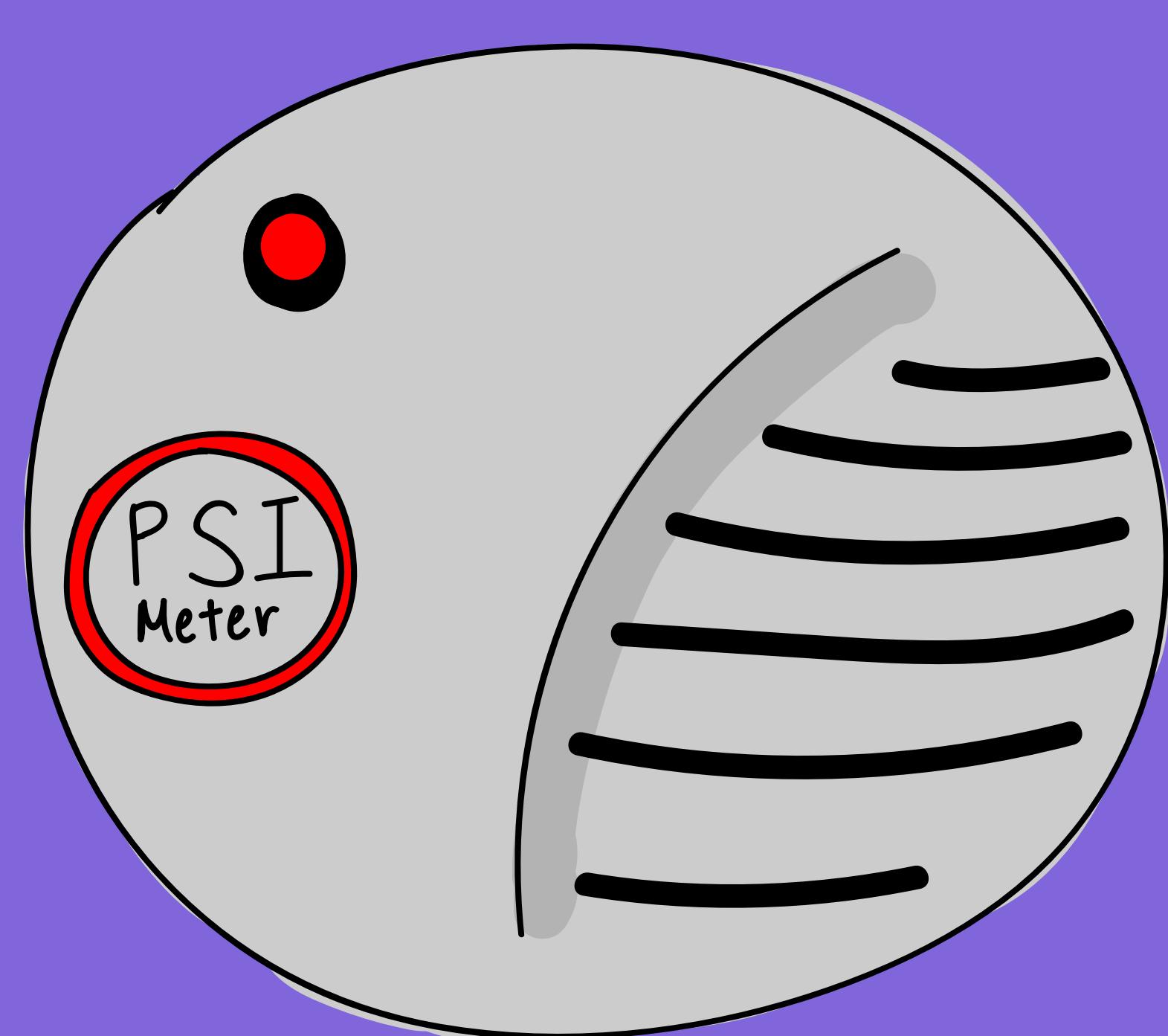


Blinds

Control over window blinds, whether to open or to close, that allows control over **privacy** of the user.

PSI

On top of a rain sensor, a PSI meter could be added to detect the **PSI levels** in the air, a further protection from the **dangerous elements**.



Fan and Air-conditioner

Additional control over certain devices in the room, such as the fan and the air-conditioner.

Users are able to **turn on/off** these devices **remotely**.