

Risk Documentation-Devices

Interactive House

Project Members

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Revision History

Date	Version	Description	Author
19/09/2021	1.0	Initial Risk Assessment	A, B, C,

Risk List

Risk Description	Priority
R1. Loss of a Group Member	High
R2. Defective Component	High
R3. Incapacitated Group Member	Medium
...	...

Risk Handling Plans

R1

A loss of a group member by leaving for personal reasons is a high priority due the potential impact. The probability would be considered low as we are all committed to the course, but it is listed because there is still a possibility. The impact would cause a slow down in the group placing more strain on the other group members and possibly effect our abilities to meet deadlines. We would handle this risk by evaluating the work needed to be completed calculating what it would take for the remaining members to do. If it would either over burden or run into deadline issues, we would request assistance from the other groups with more members and are ahead of their schedule. We would then supplement some of the load to meet the deadlines.

R2

We receive a component from a supplier and the component is defective or during the project a component becomes defective. The probability is low, but the priority is high because of the impact and time it may take to get a new one. The impact may have serious consequences on the system depending on what it is that becomes defective if it is the Arduino the system will cease to function all together and may have a longer wait time based upon the supply as for something like a light it could have a very low impact and be easy to replace. The risk will be handled by testing all the components upon receipt and then if a faulty component comes up while the initial testing or after we will contact the supplier and order the part necessary immediately.

R3

If group member becomes incapacitated due to illness or injury. The probability is low, but the priority is medium because it may affect their work but, in most cases, it will probably not have a major impact on the project. The impact would just be having to work from distance or in some cases changing what the group member could do like a hand injury or something along those lines which could affect their speed or effectiveness. We would assess what work could be done by that group member and arrange for them to do what works best for them and transition the remaining members into different roles.

R4

A further description of risk 2, its probability, its impact, plus a plan to handle the risk