Risk Response Plan Form

Project: Melody

1st Step: Risk Identification

Name of the Risk: Hardware component burns out	ID N° 7
Risk Description: Hardware components like the might burn out from misuse	

2nd Step: Risk Evaluation

Impact: □1(Very Low) □2(Low) □3(Average) **X** 4(High) □5(Very High)

Explanation:
Some components like the LEDs or the motors might impact the functionality but the rest of the system would still be functional. Failure of the raspberry would impact the whole system.

Probability: □1(Very Low) **X** 2(Low) □ **3**(Average) □ **4**(High) □5(Very High)

Explanation:
The members of the team have experience handling the components used in the system, unlikely to happen.

3rd Step: Risk Response Plan

Task, Who will do it, When it will be done!

Strategies and Tasks that should be performed in order to reduce the "Impact"/"Probability" of this risk:
Prevention Tasks:
Test the connections and subcircuits before assembling the whole circuit.

Mitigation Tasks:
We will have a spare Raspberry 3B, 4 Servo motors, the vibration motor and the ESP32.

Transfer* (use in last case, avoid if possible):

Acceptance Tasks (avoid at all costs!):

(* At Integration Workshop 3, it would not be possible to "transfer" the Risk outside of the team!)

Re-evaluated Impact (1~5): 2	**Re-evaluated Probability (1-5): 2**

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Form based on Gasnier, 2000 (IMAN Editor), adjusted by Wille(UTFPR), translated to English by Fabro(UTFPR).