Risk Response Plan Form

Project: Melody

1st Step: Risk Identification

Name of the Risk: Failure in color recognition due to lighting or quality issues	ID N° 4
Risk Description: The system may fail to accurately detect note colors due to inconsistent lighting or poor camera image quality	

2nd Step: Risk Evaluation

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

Explanation:
Color recognition is critical for correctly identifying note types. Since visual feedback and note interpretation are crucial to the system's functionality, a failure here would affect the usability of the project.

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

Explanation:
Lighting and image quality issues are common, but for identifying colors the camera quality doesn't need to be so high.

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:
Select high-contrast and clearly distinguishable colors for note types.

Mitigation Tasks:
The webcam stand will have a light source. If the light is a problem when the software tests happen, add new light sources in different positions.

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):	3	**Re-evaluated Probability (1-5):**	2
Elaborated by: Bruno	Date: 23/04/2025		

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