Scope of Solution

The proposed project involves the development of a web-based tool or application designed to test for audio-to-visual synaesthesia. The test will involve playing single tones or songs and asking the user to select or describe a color and/or shape associated with the sound. The user will provide their answer within a two-dimensional space, using a color picker or through text-based responses. The user will also describe the shape either textually or through a survey/questionnaire. The tool's evaluation will be based on the consistency of the user's responses to similar tones. To ensure consistency, the user will listen to similar tones at different stages of the test. The proposed tool will be made easily accessible to the public and designed for ease of use. While three-dimensional space was considered for the test, it was determined to be out of scope. Overall, the proposed tool aims to provide a simple and accessible means for testing audio-to-visual synaesthesia, which can offer valuable insights into the workings of the brain and contribute to the advancement of research in cognitive neuroscience.

- Web tool/application
- Test for audio-to-visual synaesthesia
- Can be tested by playing single tones/songs and asking the user to select/describe a colour and/or shape.
- The user either selects colour with a two-dimensional colour picker, textually, or by survey/questionnaire.
- The user will give their answer within the constraint of two-dimensional space. Three-dimensional space was discussed with the client but was determined to be out-of-scope.
- The user either describes shape textually or by survey/questionnaire.
- The results will be evaluated by checking whether the user is consistent in their responses for similar tones.
- To check for consistency, user ideally listens to similar tones at different stages of the test (i.e., not have the same tone for two or more prompts in a row).
- Should be easily accessible for the public, and simple to use.