

Requirement Elicitation



Stakeholder and User Classes

Potential Stakeholders :

- software team (developer, tester, product owner and others)
- research team / industry partner
- direct user (arts professionals, musicians, creative industries worker and others)
- general public

User classes

Favoured User Classes :

- users who have Synaesthesia, mainly involved in art or creative industries
- research team or industry partner
- developer team

Disfavoured User Classes:

- hackers who try to steal users' data for malicious purpose
- user impersonators or bots

Ignored User Classes :

- general public who does not have Synaesthesia
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Technique

The development team will choose the interview clients via meetings with clients weekly to gather the requirement for the following reasons.

1. The project is on a tight schedule and the resource that the development team can access is limited. Also, the development teams have no communication channel with all categories of users.
2. Considering that neither the clients nor the students dedicate their full-time efforts to the project, it is essential to utilize an effective method for gathering information and facilitating communication.
3. The scarcity of relevant documentation could be used as a project reference, coupled with the absence of an existing system to perform similar tests.

In this context, conducting virtual interviews emerges as a particularly advantageous approach for both parties involved. The primary reason for this is the inherent value derived from the direct feedback exchanged during these interviews within a limited time.



Role and Responsibilities

- The product owner will be acted as the facilitator, interacting with the clients with prepared questions.
 - The note taker will be assigned to the current scrum master, taking meeting minutes, and won't be able to interact with clients directly.
 - In the interview, the product owner will be the main person holding the interview. Other developers ask for follow-up as needed. The interview will be recorded on the premise of permission from all involved stakeholders. Further clarification required after the interview from clients will be conducted by the product owner via Slack.
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Questions & Answers

1. *What is the main functionality of the platform (specific about two-dimensional colour consistency tests)?*
 - test for audio-to-visual synaesthesia and determine whether the user has synaesthesia.
 - test including playing single tones or songs and ask the user to select or describe a colour or drawing the image formed in brain.
 - the result of test will depends on user's consistency in their response to similar tones or songs
2. *In terms of online tools, are we building a web applications or IOS/Android apps ?*
 - The client is giving flexibility to the team whether the team prefers to build web applications, apps or software tools.
3. *What is the domain we are using to do test (for example, letters, numbers, symbols and etc)?*
 - The domain is single tones or phrases of music or songs depending on the complexity level of algorithm.
4. *For the results, what key features or information would the client prefer to display to end user (eg description, score, etc.)?*
 - test result whether the user has synaesthesia
 - score result of user computed by the algorithm
 - details yet to be discussed

5. What is the colour range chosen by the end user ?
 - two-dimensional colours
 - the user might choose to draw or describe shapes instead of choosing colour
6. After we get results from test, are we meant to evaluate if an individual is a Synaesthesia ?
 - Yes, we should evaluate if user is synaesthesia by the algorithm-computed score based on consistency of choices user made
7. If a person decided to use the tool more than once by taking the test again, would the prompts be expected to be different every time, possibly in randomised way?
 - we can increase the complexity of the testing, for example instead of listening to one note, user can listen to snippets of note
8. For the tool, will we be focusing on just grapheme-colour Synaesthesia ? or will other forms apply (e.g. audio-to-visual)?
 - we possibly use audio-to-visual form