

| | |
|--|----|
| 1. High Fidelity Prototype | 2 |
| 1.1 Analyse Test Results | 3 |
| 1.2 Manage Test | 6 |
| 1.3 Participate in Advanced Imagery Test | 11 |
| 1.4 Participate in Simple Test | 14 |

High Fidelity Prototype

These pages will display the high-fidelity prototype based on each epic story. To access our high-fidelity prototype with flows on Figma, [click here](#).

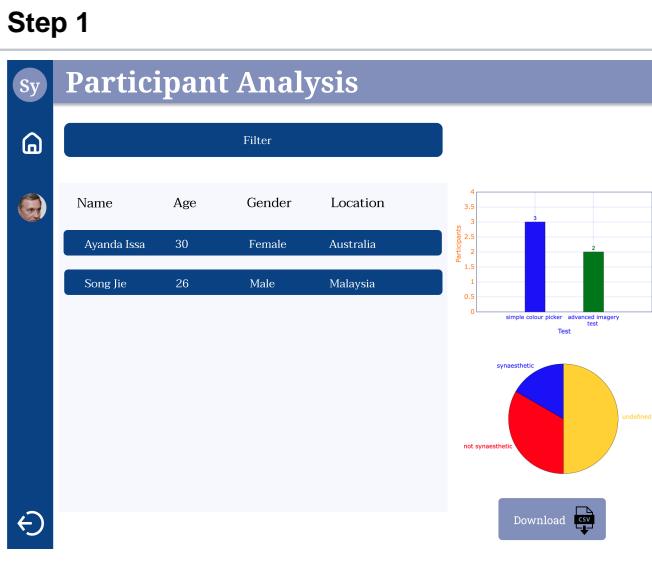
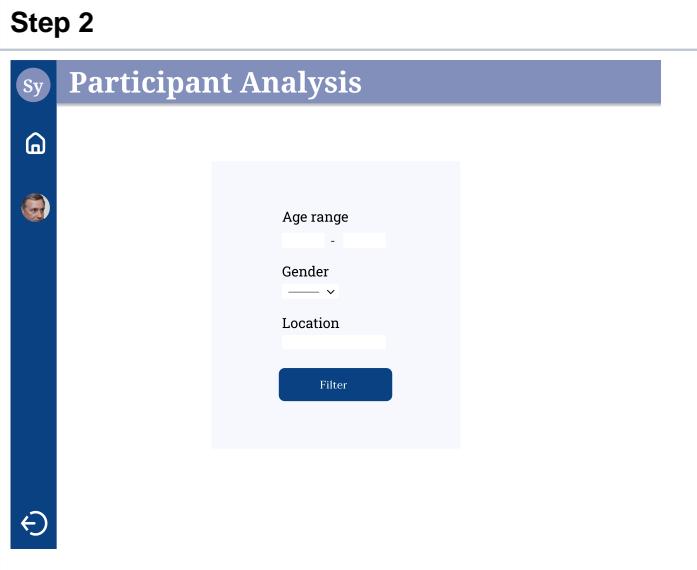
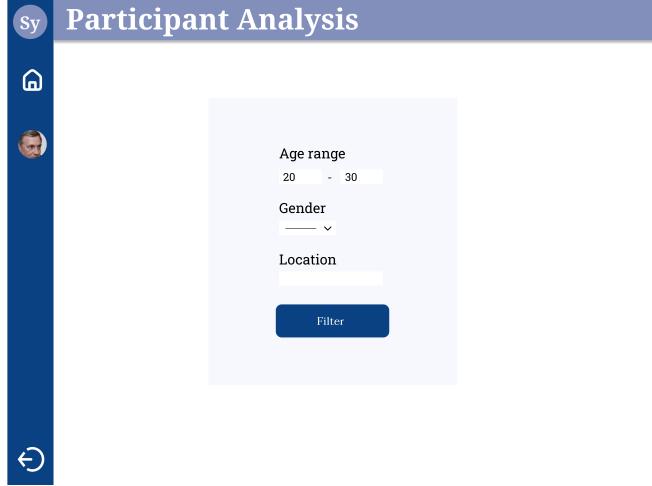
[Click here](#) to view all frames of our prototype on Figma.

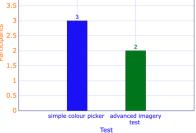
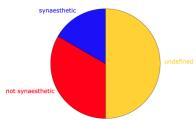
- [Analyse Test Results](#)
- [Manage Test](#)
- [Participate in Advanced Imagery Test](#)
- [Participate in Simple Test](#)

Analyse Test Results

Filter results by user demographic (SE-99)

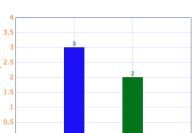
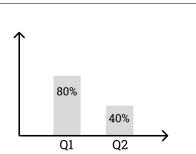
This will allow the administrator, Jonathan Bryant, to view participants by their demographic. The administrator has the option to narrow down the list of participants by their age range, gender, and/or location. They can click on the 'filter' button, which then takes them to a page where they can specify the age range, gender, and/or location they are interested in. After they have specified their demographics, clicked on the 'filter' button on the filter page, they are then presented with a list of participants on the main Participant Analysis page that matches the demographics they have specified.

| Step 1 | Step 2 |
|--|--|
|  |  |
| The administrator is presented with a list of users on the main Participant Analysis page. To filter by demographic, he will first click on the 'filter' button. | Now that he is on the filter page, he has the option of specifying an age range, gender, or location. To filter, it is not necessary to provide input for all three options. For this particular case, he will first enter an age range of between 20 to 30 years old. |
| Step 3 | Step 4 |
|  |  |
| Then he will select a gender, in this case he selects male. | Finally he will specify a location, which is Malaysia in this scenario. |
| Step 5 | Step 6 |

| <h2>Participant Analysis</h2> <p>Sy</p> <p>  </p> <p>Age range 20 - 30</p> <p>Gender Male ▾</p> <p>Location Malaysia</p> <p>Filter</p> | <h2>Participant Analysis</h2> <p>Sy</p> <p> </p> <p>Filter</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Age</th> <th>Gender</th> <th>Location</th> </tr> </thead> <tbody> <tr> <td>Song Jie</td> <td>26</td> <td>Male</td> <td>Malaysia</td> </tr> </tbody> </table>   <p>Download CSV</p> | Name | Age | Gender | Location | Song Jie | 26 | Male | Malaysia |
|--|--|--------|----------|--------|----------|----------|----|------|----------|
| Name | Age | Gender | Location | | | | | | |
| Song Jie | 26 | Male | Malaysia | | | | | | |
| <p>Now that he has provided all his desired input, he will click on the 'filter' button to filter participants by the demographics.</p> | <p>Now he is taken back to the main Participant Analysis page, where all participants matching his specified demographics are displayed.</p> | | | | | | | | |

View specific user results (SE-100) / Export specific user results (SE-121)

This allows the administrator to view a specific user's results on the test, and extract the user's data into a CSV file. By clicking on the button specific to a user (Song Jie) on the main Participant Analysis page, they will then be taken to a page that displays their responses to the simple colour test, along with their probability of having synaesthesia. The administrator can also click on the 'advanced' tab to view the user's responses for the advanced imagery test. For both the simple and advanced test results, the administrator can click on the 'download' button to export the user's results into a CSV file.

| <h3>Step 1</h3> <p>Sy</p> <p> </p> <p>Participant Analysis</p> <p>Filter</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Age</th> <th>Gender</th> <th>Location</th> </tr> </thead> <tbody> <tr> <td>Song Jie</td> <td>26</td> <td>Male</td> <td>Malaysia</td> </tr> </tbody> </table>   <p>Download CSV</p> | Name | Age | Gender | Location | Song Jie | 26 | Male | Malaysia | <h3>Step 2</h3> <p>Sy</p> <p> </p> <p>Participant Analysis</p> <p>Song Jie</p> <p>Simple Advanced</p> <p>Q1: Color picked :  80%</p>  <p>Q2: Colors picked :   40%</p> <p>Avg Probability 60%</p> <p>Download CSV</p> |
|---|---|--------|----------|----------|----------|----|------|----------|---|
| Name | Age | Gender | Location | | | | | | |
| Song Jie | 26 | Male | Malaysia | | | | | | |
| <p>To view a specific user's results, the administrator first clicks on the user's button, which is Song Jie for this scenario.</p> | <p>He is then brought to a page that displays the participant's results for the simple colour test. If he is interested in extracting this data, he has the option of exporting the participant's results into a csv file by clicking on the 'download' button.</p> | | | | | | | | |
| <h3>Step 3</h3> | | | | | | | | | |

| Participant Analysis | |
|---|--|
|  Sy   <p>Song Jie</p> <p>Simple Advanced</p> <p>Q1: </p> <p>Q2: </p> <p>a frog jumping into the pond</p> <p>Download CSV</p> | |
| <p>If the administrator clicks on the 'advanced' tab, he is shown the participant's results from the advanced imagery test. He can extract the advanced results into a csv file as well by clicking on the 'download' button on this page.</p> | |

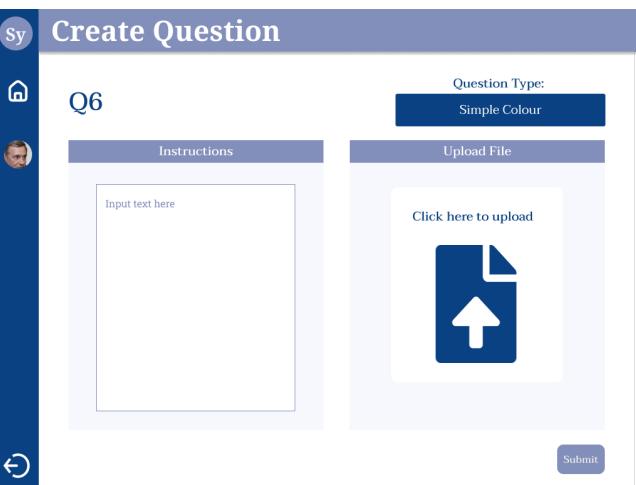
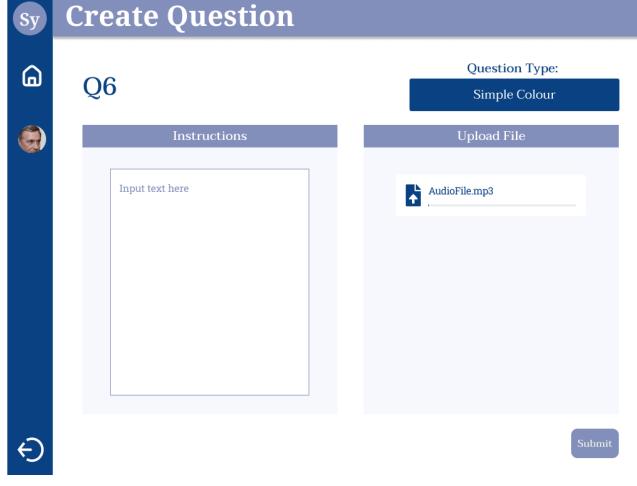
Client Feedback

- Add an option to export all participant data into a CSV file. This change has already been applied to the screenshots above on the main Participant Analysis page.

Manage Test

Create new question (SE-84):

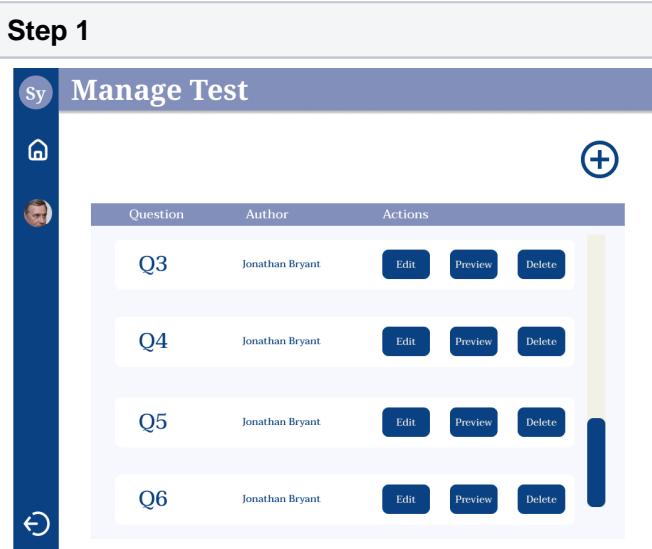
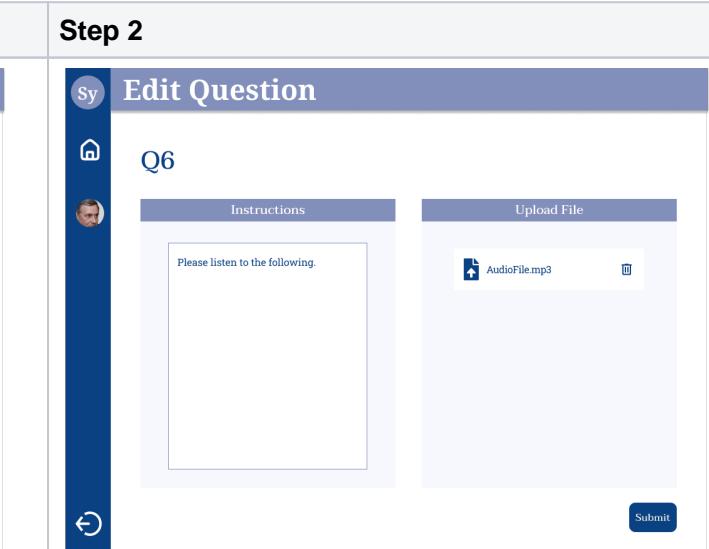
This will allow the administrator, Jonathan Bryant, to be able to be able to create a new test question. He can create a question by first clicking the '+' icon, then he must select a question type, upload an mp3 file, and add instructions that the participant will see while they are doing the particular question. Finally, he must click the 'submit' button to add the new question to the test. He will then be taken back to the Manage Test page, where the new question is now visible.

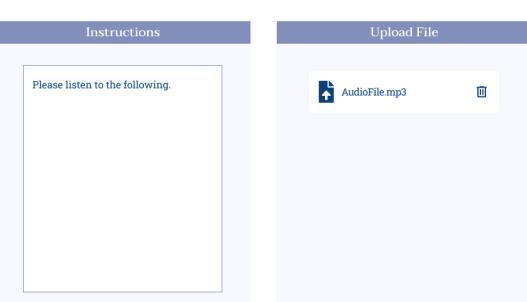
| Step 1 | Step 2 |
|---|---|
|  |  |
| First, the administrator clicks on the '+' button to create a question. | He is shown the Create Question page for Q6. The question type defaults to the simple colour test type. He has the option of changing it to an advanced imagery question, however in this case he is creating a question for the simple colour test. First he will click on the button with the prompt 'Click here to upload' in the Upload section, and select an mp3 file to upload as the audio sample for the question. |
| Step 3 | Step 4 |
|  |  |
| He has chosen a file to upload, and will wait until it has finished uploading. | Now that the file has been uploaded, he will input instruction text into the textbox in the Instructions section. |
| Step 5 | Step 6 |

|  <p>Create Question</p> <p>Q6</p> <p>Question Type: Simple Colour</p> <p>Instructions Please listen to the following.</p> <p>Upload File AudioFile.mp3</p> <p>Submit</p> |  <p>Manage Test</p> <p>+ (Add New)</p> <table border="1"> <thead> <tr> <th>Question</th> <th>Author</th> <th>Actions</th> </tr> </thead> <tbody> <tr> <td>Q3</td> <td>Jonathan Bryant</td> <td>Edit Preview Delete</td> </tr> <tr> <td>Q4</td> <td>Jonathan Bryant</td> <td>Edit Preview Delete</td> </tr> <tr> <td>Q5</td> <td>Jonathan Bryant</td> <td>Edit Preview Delete</td> </tr> <tr> <td>Q6</td> <td>Jonathan Bryant</td> <td>Edit Preview Delete</td> </tr> </tbody> </table> | Question | Author | Actions | Q3 | Jonathan Bryant | Edit Preview Delete | Q4 | Jonathan Bryant | Edit Preview Delete | Q5 | Jonathan Bryant | Edit Preview Delete | Q6 | Jonathan Bryant | Edit Preview Delete |
|---|---|---------------------|--------|---------|----|-----------------|---------------------|----|-----------------|---------------------|----|-----------------|---------------------|----|-----------------|---------------------|
| Question | Author | Actions | | | | | | | | | | | | | | |
| Q3 | Jonathan Bryant | Edit Preview Delete | | | | | | | | | | | | | | |
| Q4 | Jonathan Bryant | Edit Preview Delete | | | | | | | | | | | | | | |
| Q5 | Jonathan Bryant | Edit Preview Delete | | | | | | | | | | | | | | |
| Q6 | Jonathan Bryant | Edit Preview Delete | | | | | | | | | | | | | | |
| <p>Now that he has uploaded an mp3 file, and has input instructions, he can now click on the 'submit' button in order to add the question to the test.</p> | <p>He is taken back to the Manage Test page, where Q6 is now visible.</p> | | | | | | | | | | | | | | | |

Update existing question (SE-95):

This will allow the administrator to be able to update existing questions in the tests. He can do this by clicking the 'edit' button, and making his desired changes to the File and Instruction sections. When he clicks on the 'submit' button, he is taken back to the Manage Test page.

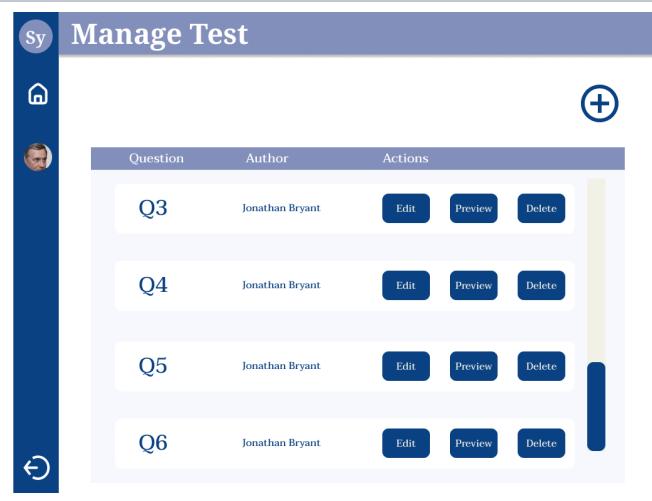
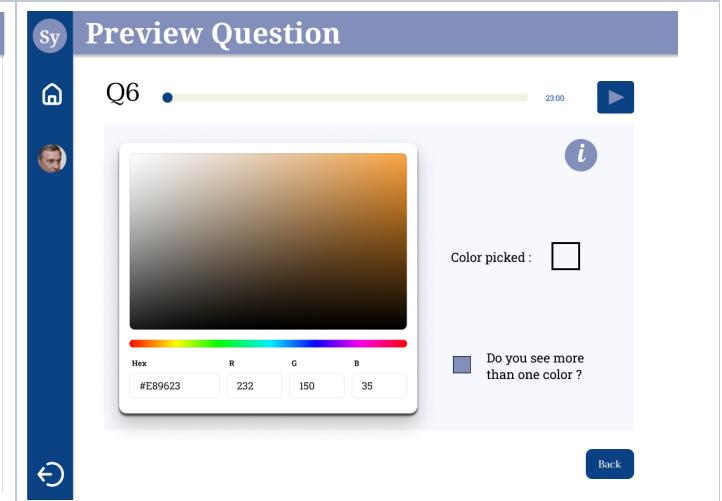
| <p>Step 1</p>  <p>Manage Test</p> <p>+ (Add New)</p> <table border="1"> <thead> <tr> <th>Question</th> <th>Author</th> <th>Actions</th> </tr> </thead> <tbody> <tr> <td>Q3</td> <td>Jonathan Bryant</td> <td>Edit Preview Delete</td> </tr> <tr> <td>Q4</td> <td>Jonathan Bryant</td> <td>Edit Preview Delete</td> </tr> <tr> <td>Q5</td> <td>Jonathan Bryant</td> <td>Edit Preview Delete</td> </tr> <tr> <td>Q6</td> <td>Jonathan Bryant</td> <td>Edit Preview Delete</td> </tr> </tbody> </table> | Question | Author | Actions | Q3 | Jonathan Bryant | Edit Preview Delete | Q4 | Jonathan Bryant | Edit Preview Delete | Q5 | Jonathan Bryant | Edit Preview Delete | Q6 | Jonathan Bryant | Edit Preview Delete | <p>Step 2</p>  <p>Edit Question</p> <p>+ (Add New)</p> <p>Q6</p> <p>Instructions Please listen to the following.</p> <p>Upload File AudioFile.mp3</p> <p>Submit</p> |
|--|---|---------------------|---------|----|-----------------|---------------------|----|-----------------|---------------------|----|-----------------|---------------------|----|-----------------|---------------------|---|
| Question | Author | Actions | | | | | | | | | | | | | | |
| Q3 | Jonathan Bryant | Edit Preview Delete | | | | | | | | | | | | | | |
| Q4 | Jonathan Bryant | Edit Preview Delete | | | | | | | | | | | | | | |
| Q5 | Jonathan Bryant | Edit Preview Delete | | | | | | | | | | | | | | |
| Q6 | Jonathan Bryant | Edit Preview Delete | | | | | | | | | | | | | | |
| <p>For this scenario, the administrator wants to edit Q6 and replace its mp3 file. First he will click on the 'edit' button next to the question.</p> | <p>He is taken to the Edit Question page for Q6, which shows the current input for the Instructions and Upload sections. He will click on the 'delete' (the bin) button to delete the mp3 file.</p> | | | | | | | | | | | | | | | |
| <p>Step 3</p> | <p>Step 4</p> | | | | | | | | | | | | | | | |

| | |
|---|---|
|  |  |
| <p>He is now shown the prompt to upload a new file in the Upload section. He will click on the button with the prompt 'Click here to upload', and select a new mp3 file to upload as the question's audio sample.</p> | <p>He has chosen a file to upload, and will wait until it has finished uploading.</p> |
| Step 5 | Step 6 |
|  |  |
| <p>Now that he has made all desired changes to the question, he will click on the 'submit' button to confirm them.</p> | <p>He is taken back to the Manage Test page.</p> |

Preview test (SE-94):

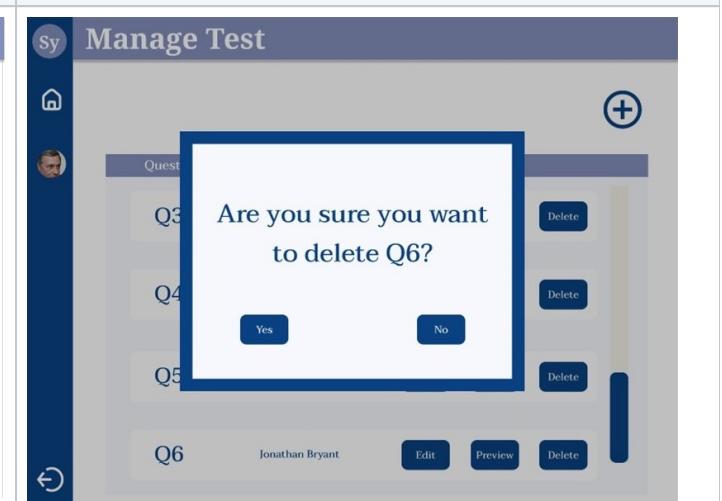
This will allow the administrator to be able to preview test questions as a user. He can do this by first clicking on the 'preview' button, where he is taken to the Preview Question Page. Here he can then preview the test question similarly to how a participant views it when they attempt the question. On clicking the 'back' button, they are taken back to the Manage Test page.

| | |
|---------------|---------------|
| Step 1 | Step 2 |
|---------------|---------------|

| | |
|--|--|
|  |  |
| <p>For this scenario, the administrator wants to preview Q6. He will first click on the 'preview' button next to the question.</p> | <p>He is navigated to the Preview Question page. He can now view the question as the participant and interact with it. To return to the Manage Test page, he can click on the 'back' button.</p> |

Delete question (SE-95):

This will allow the administrator to be able to delete questions from the tests. He can delete a question by clicking on the 'delete' button next to it, which will open a pop-up window asking for his confirmation of deletion. To confirm the question's deletion, he can then click on the 'yes' button, which will then close the pop-up window and take him back to the Manage Test page. The question will have been removed from the tests.

| Step 1 | Step 2 |
|--|--|
|  |  |
| <p>For this scenario, the administrator wants to delete Q6. He will first click on the 'delete' button next to the question.</p> | <p>This will open a pop-up window that asks him to confirm whether he wants to delete the question. To delete the question, he will click on the 'yes' button.</p> |
| Step 3 | |

Manage Test

| Question | Author | Actions | | |
|----------|-----------------|---------|---------|--------|
| Q2 | Jonathan Bryant | Edit | Preview | Delete |
| Q3 | Jonathan Bryant | Edit | Preview | Delete |
| Q4 | Jonathan Bryant | Edit | Preview | Delete |
| Q5 | Jonathan Bryant | Edit | Preview | Delete |

This closes the pop-up window, letting him interact with the Manage Test page again. The question has been deleted from the test.

Client Feedback

- The client did not specify any changes to be made. They are satisfied with the functionalities regarding the managing of tests.

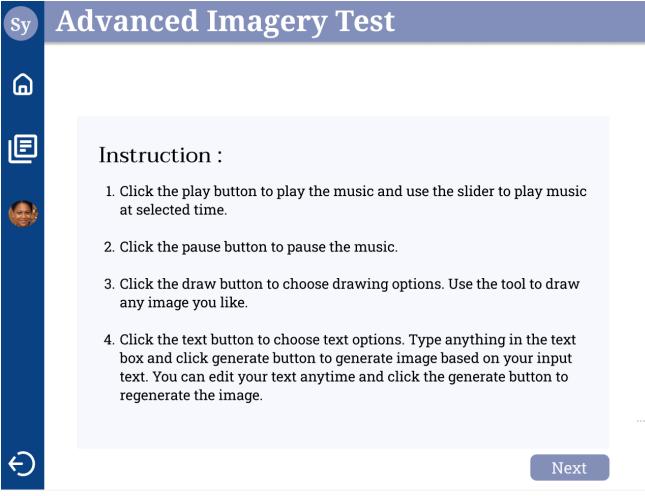
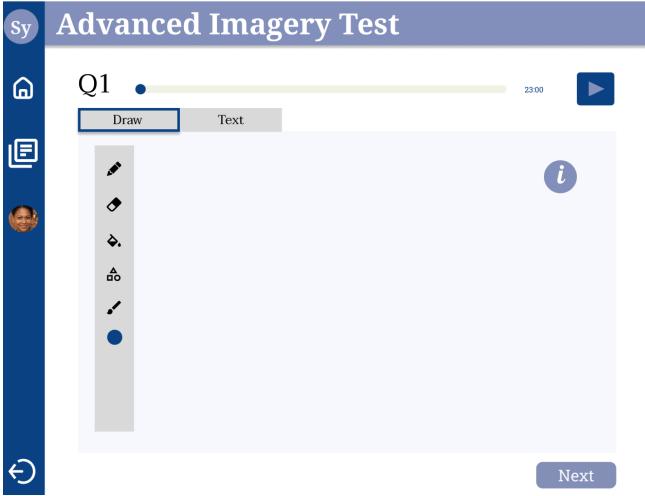
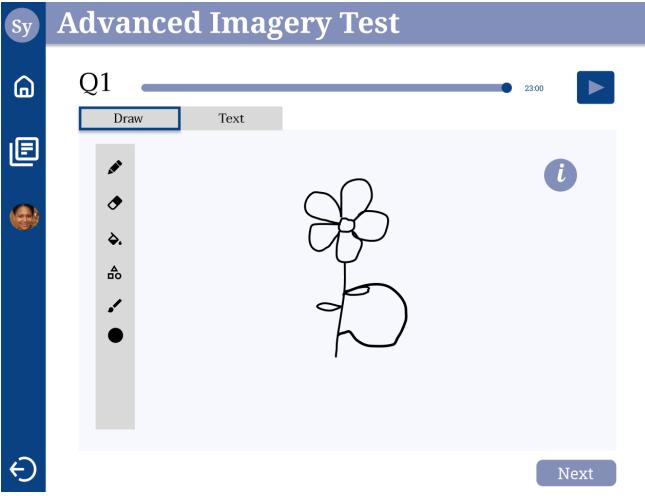
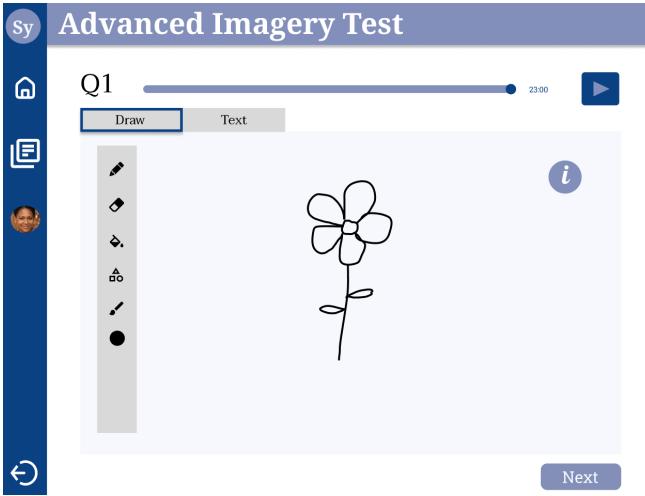
Participate in Advanced Imagery Test

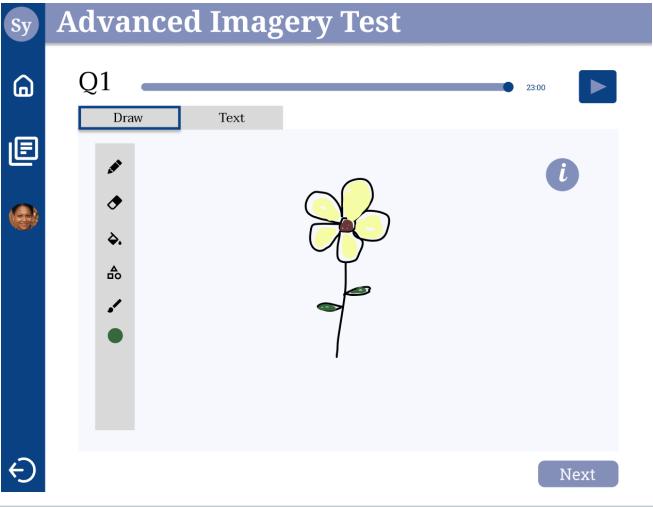
Enter input as drawing

- Enter input as drawing ([SE-116](#))
- Receive comprehensive result email ([SE-114](#))

This will allow the study participant, Ayanda, to be able to take the advance imagery test. She first need to read the instruction before doing the test. Then, she can play the music by clicking the 'play' button and chick the 'draw' button. She can use the tool in the toolbox to draw, erase, and colour any drawings she wants. When she is satisfied with her drawing, she can click the 'next' button to do the next question. Alternatively, if she is doing the last question of the test, she can click 'submit' button to submit the test.

Note: The first question is about Ayanda choosing drawing as input and the second question is about Ayanda choosing texting as input. Since the team combines two different types of input into one test, hence only the second question (enter input as text) has test results as it is the last question. However, the test result for entering input as drawing has no difference with the test result for enter input as text.

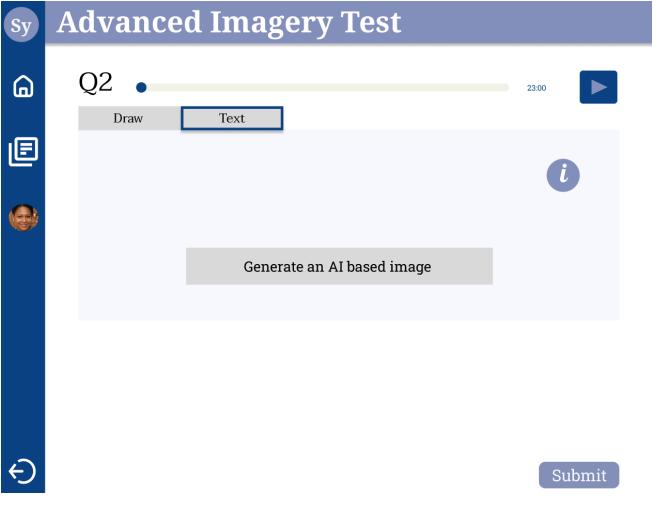
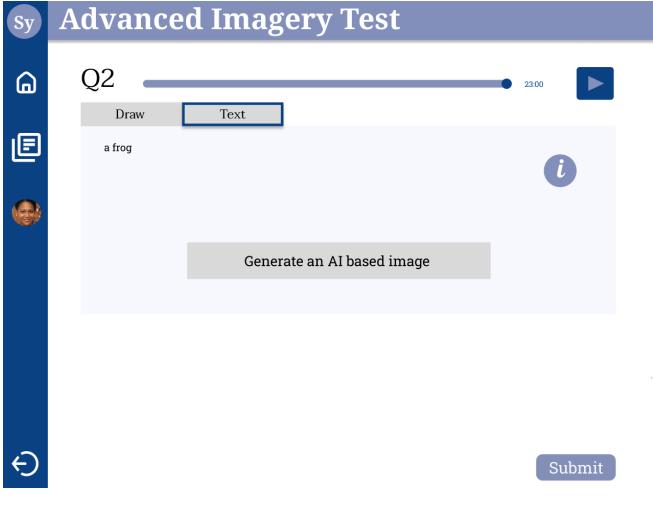
| Step 1 | Step 2 |
|---|--|
|  |  |
| First, Ayanda has to read instruction before taking the test. | Next, Ayanda can click the "play" button on top right to listen to the music. She can listen to the music as many time as she wants. She clicks the "draw" button to enter her input as drawing. |
| Step 3 | Step 4 |
|  |  |
| She can use the 'pencil' tool (first tool listed in the tool box) to draw anything she wants. | Besides, she can also use 'eraser' tool (second tool listed in the tool box) to erase her drawings. |
| Step 5 | |

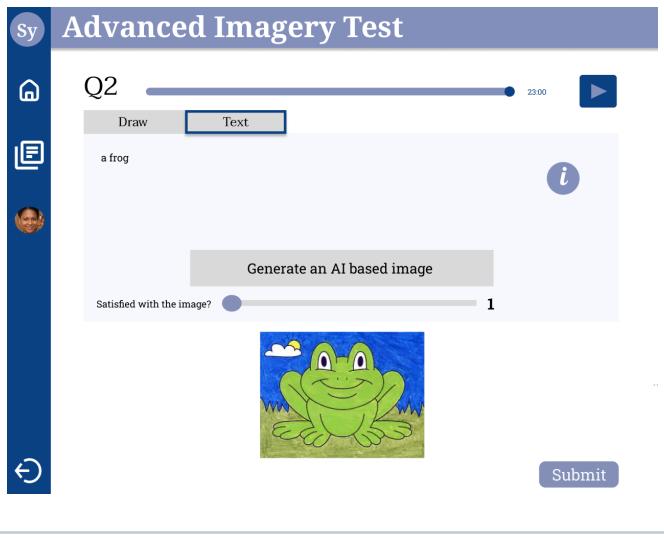
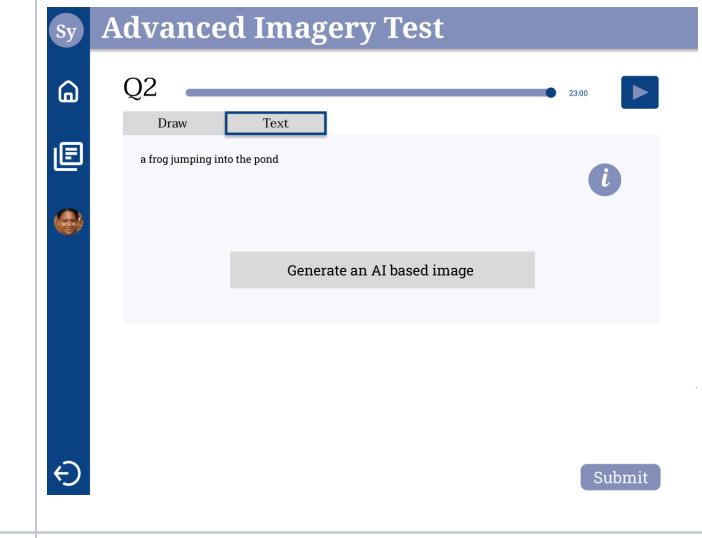
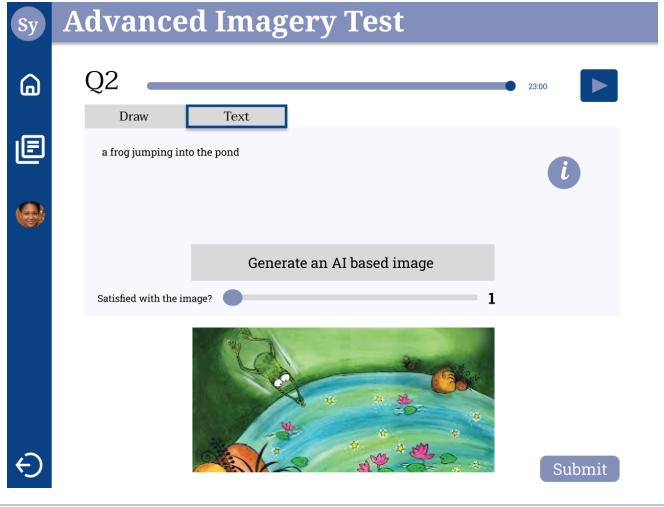
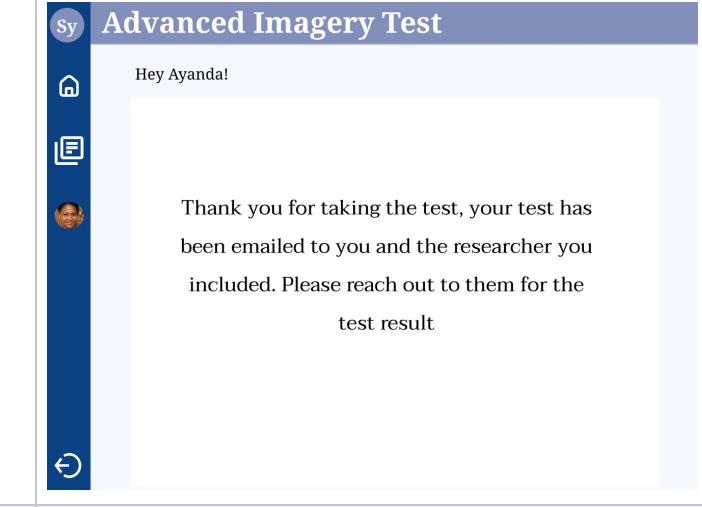
| | |
|---|--|
|  <p>She can also use 'paint' tool (third tool listed in tool box) to fill in colours for her painting. The 'shape' tool (forth tool listed in tool box) allows her to draw any shapes. The 'brush' tool (fifth tool listed in tool box) allows her to brush her drawing with her chosen colour. When she is satisfied with her drawing, she can click 'Next' button to do the next question.</p> | |
|---|--|

Enter input as text

- Enter input as text (SE-117)
- Receive comprehensive result email (SE-114)

This will allow the study participant, Ayanda, to be able to take the advance imagery test. She first need to read the instruction before doing the test. Then, she can play the music by clicking the 'play' button and chick the 'text' button. She can type in anything that she wants in the text box and click the "generate an AI based image" to generate image based on her text. If she is not satisfied with the image generated, she can re-click the button "generate an AI based image" to regenerate image. Before she submits her result she can choose her satisfactory level for the image generated by AI tool with the slider provided. After that, she can click the "submit" button to submit her test.

| | |
|--|---|
| Step 1  | Step 2  |
| First, Ayanda has to read instruction before taking the test. | Next, Ayanda can click the "play" button on top right to listen to the music. She can listen to the music as many time as she wants. She clicks the "text" button to enter her input as text. |
| Step 3 | Step 4 |

| | |
|--|--|
|  <p>She clicks the "Generate an AI based image" button to generate image based on her text.</p> |  <p>If she is not satisfied with the image generated, she can edit the text and the previous generated image is removed.</p> |
| <p>Step 5</p>  <p>Then, she can click "generate an AI based image" button again to regenerate an image. Before she submits her result she can choose her satisfactory level for the image generated by AI tool with the slider provided. Then, she clicks the "Submit" button to submit her test.</p> | <p>Step 6</p>  <p>Ayanda's test result is emailed to her and her included researcher.</p> |

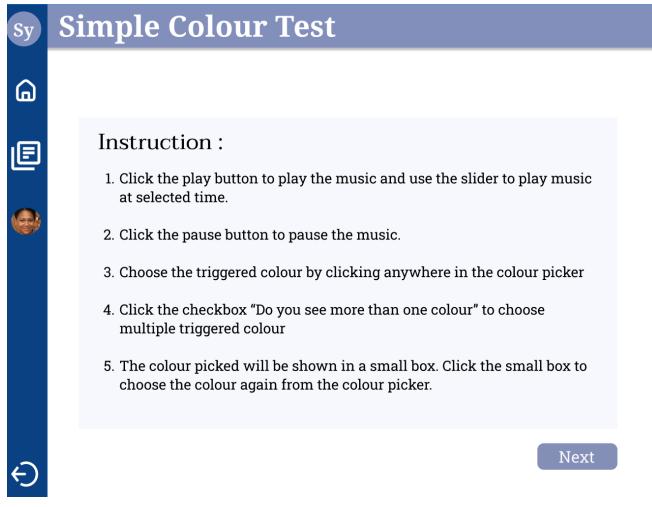
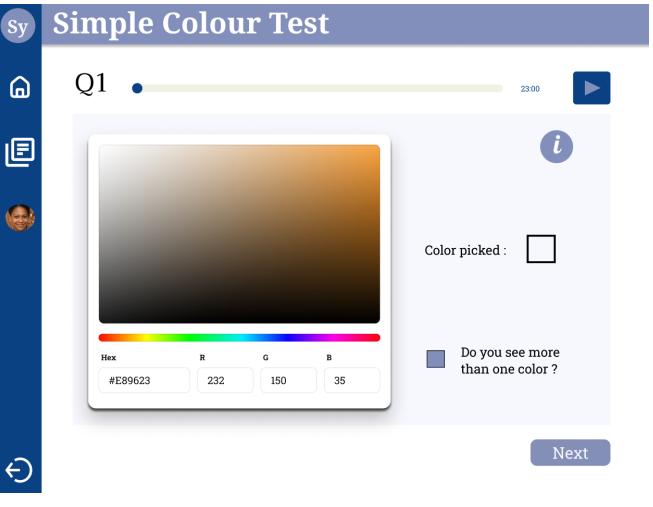
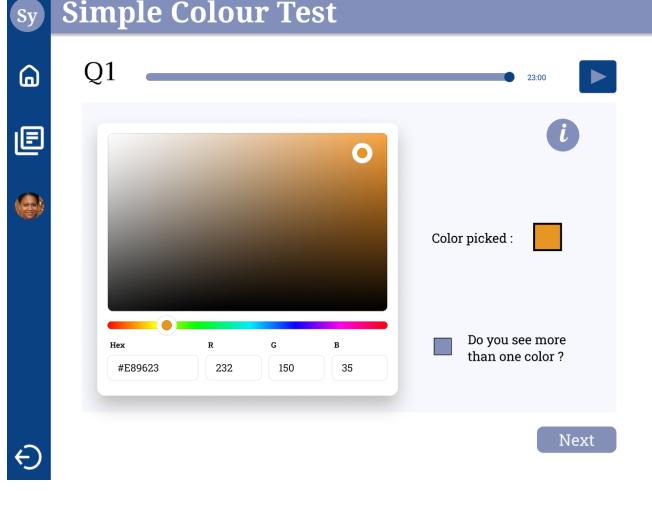
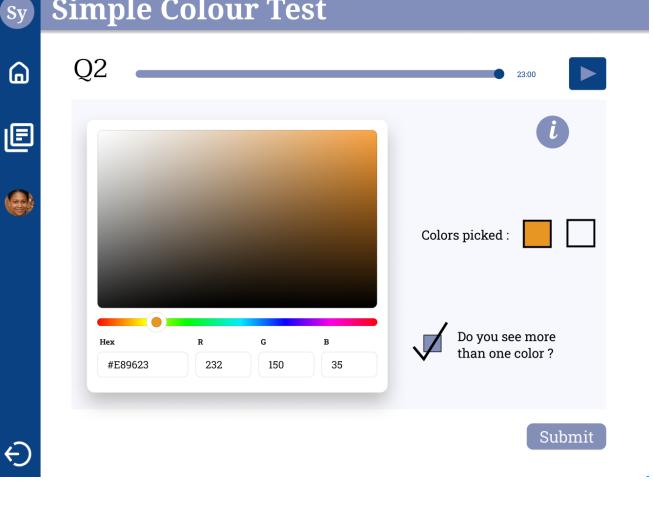
Client Feedback

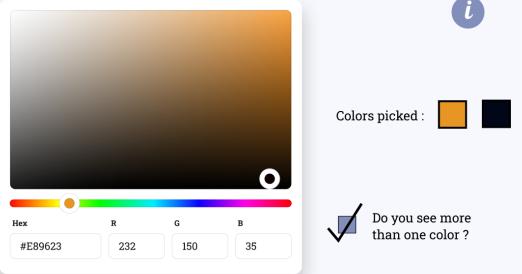
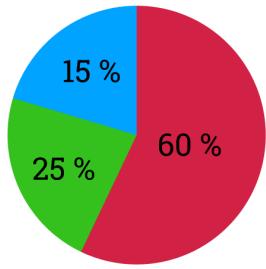
- The client suggests that the play button with the music progress bar should be removed from the instruction page. Besides, she also suggests that study participants should be able to choose their satisfactory level for the image generated by AI tool with a slider. She also recommends the wording of the test result page to be paraphrased. All the changes has been reflected in high fidelity prototype by the team.

Participate in Simple Test

- Enter input as colour (SE-116)
- View simple test result (SE-103)

This will allow the study participant, Ayanda, to be able to take the simple test. She first need to read the instruction before doing the test. Then, she can play the music by clicking the 'play' button and choose any colour she wants from the colour picker. If she visualises more than one colour, she can check the box "Do you see more than one colour?" and she is able to pick one more colour. When she satisfied with the colour she picked, she can clicked the submit button to check for the test result.

| Step 1 | Step 2 |
|---|---|
|  <p>Simple Colour Test</p> <p>Instruction :</p> <ol style="list-style-type: none"> 1. Click the play button to play the music and use the slider to play music at selected time. 2. Click the pause button to pause the music. 3. Choose the triggered colour by clicking anywhere in the colour picker 4. Click the checkbox "Do you see more than one colour?" to choose multiple triggered colour 5. The colour picked will be shown in a small box. Click the small box to choose the colour again from the colour picker. <p>Next</p> |  <p>Simple Colour Test</p> <p>Q1</p> <p>Color picked : <input type="checkbox"/></p> <p>Do you see more than one color ? <input checked="" type="checkbox"/></p> <p>Next</p> |
| First, Ayanda has to read instruction before taking the test. | Next, Ayanda can click the "play" button on top right to listen to the music. She can listen to the music as many time as she wants. |
| Step 3 | Step 4 |
|  <p>Simple Colour Test</p> <p>Q1</p> <p>Color picked : <input type="checkbox"/></p> <p>Do you see more than one color ? <input checked="" type="checkbox"/></p> <p>Next</p> |  <p>Simple Colour Test</p> <p>Q2</p> <p>Colors picked : <input type="checkbox"/> <input checked="" type="checkbox"/></p> <p>Do you see more than one color ? <input checked="" type="checkbox"/></p> <p>Submit</p> |
| She can pick any colour by clicking the colour picker on the left and the colour chosen will be reflected in the little box "colour picked". She can re-click any colour in the colour picker to re-choose the colour she wants. After she is satisfied with the chosen colour, she then clicks 'next' to do next question. | Then, she repeat the step 2 and 3 above to pick colour. If she visualises more than one colour, she can check the box "do you see more than one colour?" and an additional box is shown for her to choose one more colour. |
| Step 5 | Step 6 |

| <h3>Simple Colour Test</h3> <p>Q2</p>  <p>Colors picked : </p> <p><input checked="" type="checkbox"/> Do you see more than one color ?</p> <p>Submit</p> | <h3>Simple Colour Test</h3> <p>Hey Ayanda!</p> <p>Test Result</p>  <table border="1"> <thead> <tr> <th>Category</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>synesthesia</td> <td>60 %</td> </tr> <tr> <td>not synesthesia</td> <td>25 %</td> </tr> <tr> <td>uncategorised</td> <td>15 %</td> </tr> </tbody> </table> | Category | Percentage | synesthesia | 60 % | not synesthesia | 25 % | uncategorised | 15 % |
|--|--|----------|------------|-------------|------|-----------------|------|---------------|------|
| Category | Percentage | | | | | | | | |
| synesthesia | 60 % | | | | | | | | |
| not synesthesia | 25 % | | | | | | | | |
| uncategorised | 15 % | | | | | | | | |
| <p>She clicked on anywhere in colour picker to pick the second colour. After she is satisfied with the colour chosen, she clicks "submit" button to view the test result.</p> | <p>The test results for Ayanda's simple test is shown. It shows the probability of Ayanda having Synaesthesia, not having Synaesthesia and uncategorised whether she has Synaesthesia.</p> | | | | | | | | |

Client Feedback

- The client suggests that the play button with the music progress bar should be removed from the instruction page. All the changes has been reflected in high fidelity prototype by the team.