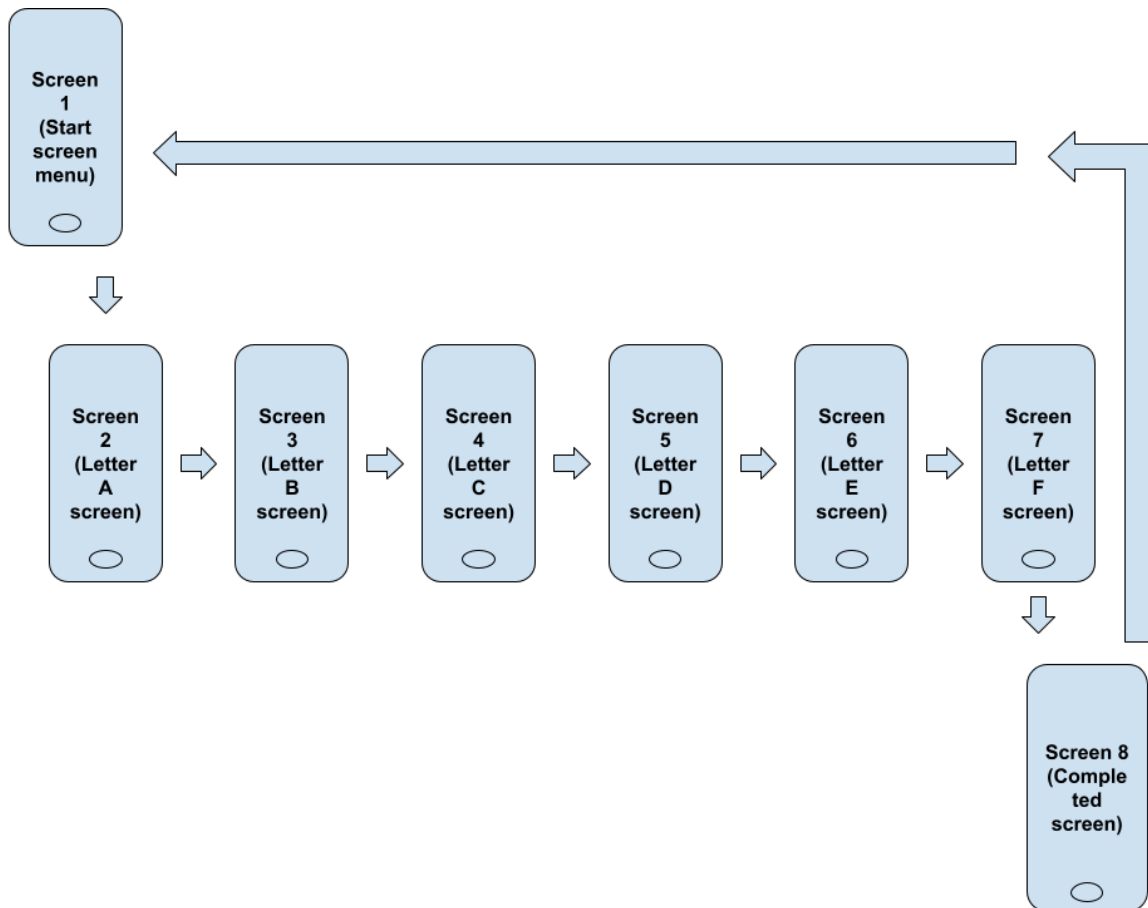
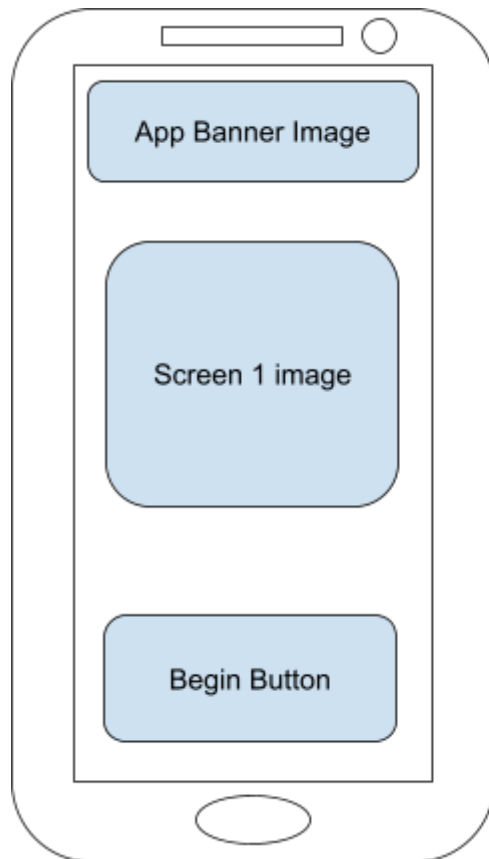


## Structure Diagram for Alphabet App

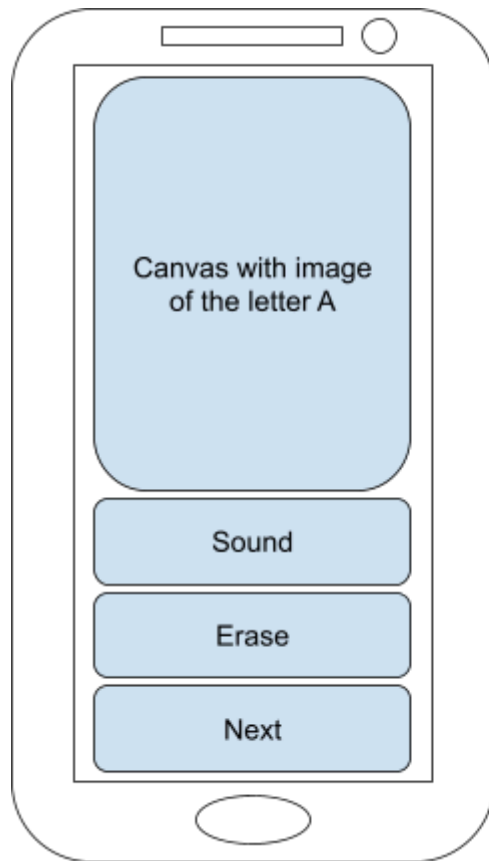


## Screen 1



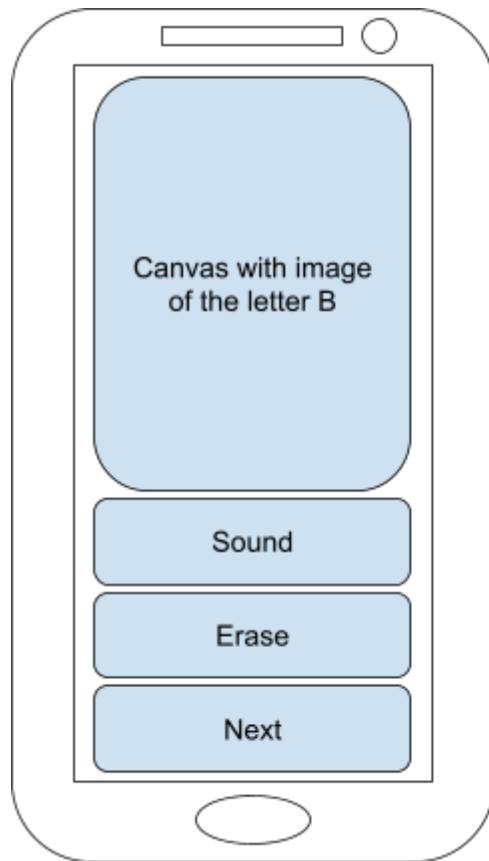
|   |  |
|---|--|
| <b><u>Assets</u></b> <ul style="list-style-type: none"><li>• Banner.jpg</li><li>• Screen1.jpg</li><li>• Begin.jpg</li><li>• Screen1.mp3</li></ul>   | <b><u>Events</u></b> <ul style="list-style-type: none"><li>• Tune plays on screen 1</li><li>• Begin Button can be pressed to proceed to Screen 2</li></ul>   |
| <b><u>Design notes/Alternative Ideas</u></b> <ul style="list-style-type: none"><li>• Colourful App Banner Image</li><li>• Large Screen 1 image that appeals to target audience</li><li>• Begin button colour- Green and orange</li><li>• Tune plays in background</li></ul> <p>An alternative for this page could be to have an animation in place of screen1.jpg</p> | <b><u>Method of solution</u></b> <p>This screen meets the purpose and user requirements by being vibrant and easy to use which will appeal to the target audience. It will be clear that the user should press the Begin Button in order to proceed to the main app function. The screen is intended to be an introduction to the interactive app.</p> |

## Screen 2



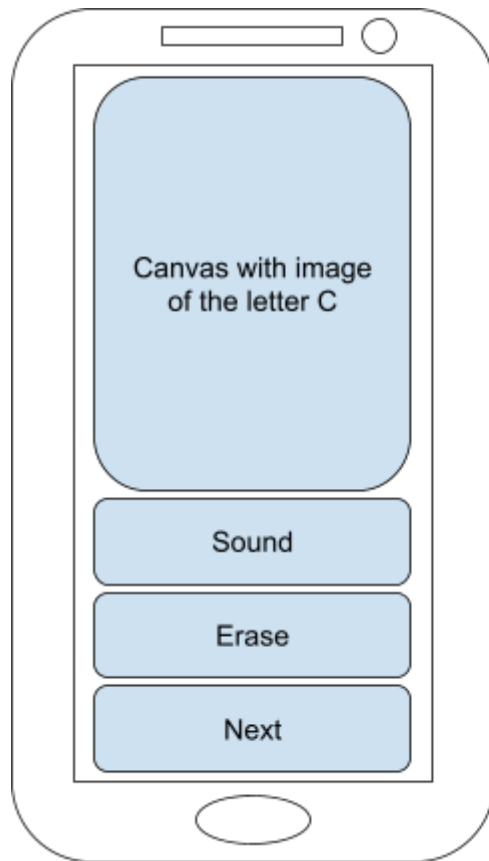
|   |  |
|---|--|
| <b><u>Assets</u></b> <ul style="list-style-type: none"> <li>• A.jpg</li> <li>• SoundA.mp3</li> <li>• Sound.jpg</li> <li>• Erase.jpg</li> <li>• Next.jpg</li> </ul>  | <b><u>Events</u></b> <ul style="list-style-type: none"> <li>• Screen can be drawn on</li> <li>• Sound button plays "A for Apple"</li> <li>• Erase Button clears the screen</li> <li>• Next Button takes user to the next page</li> </ul>   |
| <b><u>Design notes/Alternative Ideas</u></b> <ul style="list-style-type: none"> <li>• Canvas paint colour - Red</li> <li>• "A" image colour - Green</li> <li>• Sound Button colour - Green</li> <li>• Erase Button colour - Red</li> <li>• Next button colour - Blue</li> </ul> <p>Next button colour could have been orange.</p> | <b><u>Method of solution</u></b> <p>This screen Teaches children aged between 3 &amp; 7 about the letter A. Sound is produced when the sound button is pressed, the screen can be drawn on and erased, and is filled with vibrant colour. All of which meets the purpose of the app whilst appealing to the target audience.</p> |

## Screen 3



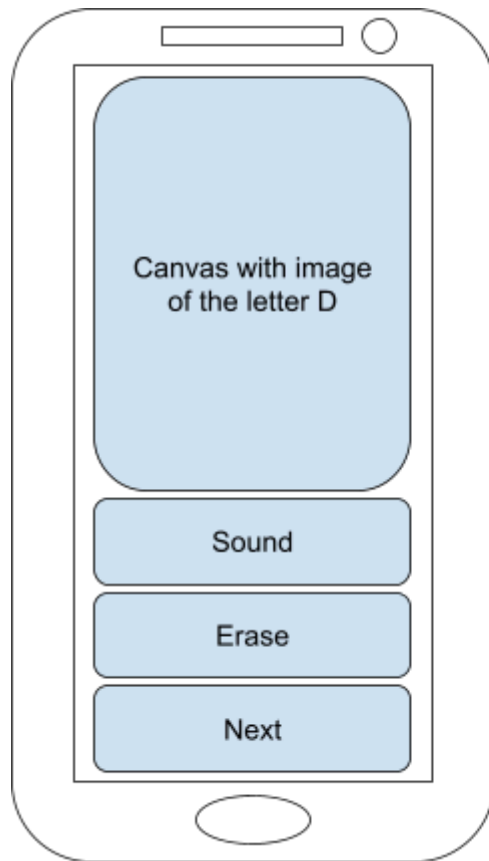
|   |  |
|---|--|
| <b><u>Assets</u></b> <ul style="list-style-type: none"> <li>• B.jpg</li> <li>• SoundB.mp3</li> <li>• Sound.jpg</li> <li>• Erase.jpg</li> <li>• Next.jpg</li> </ul>  | <b><u>Events</u></b> <ul style="list-style-type: none"> <li>• Screen can be drawn on</li> <li>• Sound button plays "B for Bus"</li> <li>• Erase Button clears the screen</li> <li>• Next Button takes user to the next page</li> </ul>   |
| <b><u>Design notes/Alternative Ideas</u></b> <ul style="list-style-type: none"> <li>• Canvas paint colour - Blue</li> <li>• "B" image colour - Red</li> <li>• Sound Button colour - Green</li> <li>• Erase Button colour - Red</li> <li>• Next button colour - Blue</li> </ul> <p>Canvas paint colour could have been yellow.</p> | <b><u>Method of solution</u></b> <p>This screen Teaches children aged between 3 &amp; 7 about the letter B. Sound is produced when the sound button is pressed, the screen can be drawn on and erased, and is filled with vibrant colour. All of which meets the purpose of the app whilst appealing to the target audience.</p> |

**Screen 4**



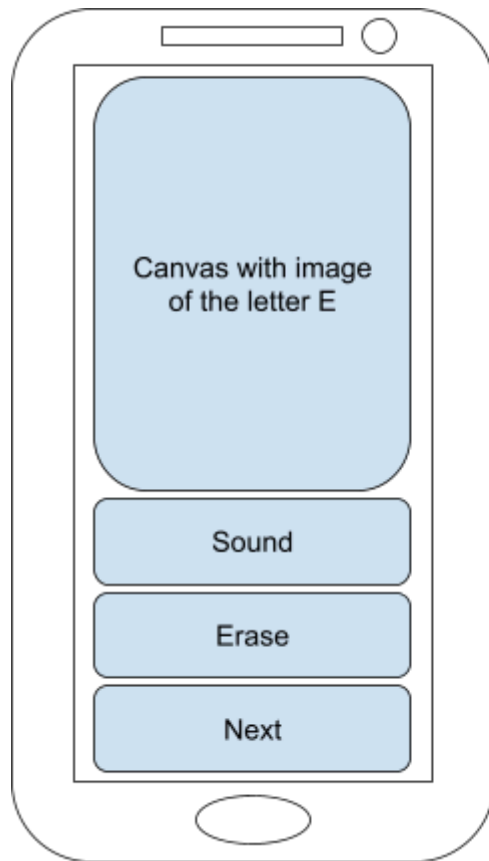
|  |  |
|--|--|
| <b><u>Assets</u></b> <ul style="list-style-type: none"> <li>• C.jpg</li> <li>• SoundC.mp3</li> <li>• Sound.jpg</li> <li>• Erase.jpg</li> <li>• Next.jpg</li> </ul>   | <b><u>Events</u></b> <ul style="list-style-type: none"> <li>• Screen can be drawn on</li> <li>• Sound button plays "C for Cat"</li> <li>• Erase Button clears the screen</li> <li>• Next Button takes user to the next page</li> </ul>   |
| <b><u>Design notes/Alternative Ideas</u></b> <ul style="list-style-type: none"> <li>• Canvas paint colour - Purple</li> <li>• "C" image colour - Orange</li> <li>• Sound Button colour - Green</li> <li>• Erase Button colour - Red</li> <li>• Next button colour - Blue</li> </ul> <p>An image of a cat could have been added</p> | <b><u>Method of solution</u></b> <p>This screen Teaches children aged between 3 &amp; 7 about the letter C. Sound is produced when the sound button is pressed, the screen can be drawn on and erased, and is filled with vibrant colour. All of which meets the purpose of the app whilst appealing to the target audience.</p> |

## Screen 5



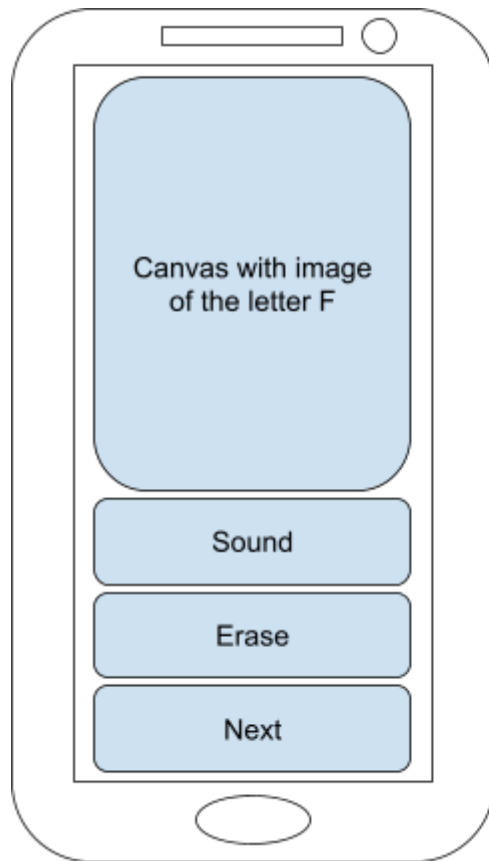
|  |  |
|--|--|
| <b><u>Assets</u></b> <ul style="list-style-type: none"> <li>• D.jpg</li> <li>• SoundD.mp3</li> <li>• Sound.jpg</li> <li>• Erase.jpg</li> <li>• Next.jpg</li> </ul>   | <b><u>Events</u></b> <ul style="list-style-type: none"> <li>• Screen can be drawn on</li> <li>• Sound button plays "D for Dog"</li> <li>• Erase Button clears the screen</li> <li>• Next Button takes user to the next page</li> </ul>   |
| <b><u>Design notes/Alternative Ideas</u></b> <ul style="list-style-type: none"> <li>• Canvas paint colour - yellow</li> <li>• "D" image colour - Brown</li> <li>• Sound Button colour - Green</li> <li>• Erase Button colour - Red</li> <li>• Next button colour - Blue</li> </ul> <p>An image of a Dog could have been added.</p> | <b><u>Method of solution</u></b> <p>This screen Teaches children aged between 3 &amp; 7 about the letter D. Sound is produced when the sound button is pressed, the screen can be drawn on and erased, and is filled with vibrant colour. All of which meets the purpose of the app whilst appealing to the target audience.</p> |

## Screen 6



|   |  |
|---|--|
| <b><u>Assets</u></b> <ul style="list-style-type: none"> <li>• E.jpg</li> <li>• SoundE.mp3</li> <li>• Sound.jpg</li> <li>• Erase.jpg</li> <li>• Next.jpg</li> </ul>  | <b><u>Events</u></b> <ul style="list-style-type: none"> <li>• Screen can be drawn on</li> <li>• Sound button plays "E for Elephant"</li> <li>• Erase Button clears the screen</li> <li>• Next Button takes user to the next page</li> </ul>  |
| <b><u>Design notes/Alternative Ideas</u></b> <ul style="list-style-type: none"> <li>• Canvas paint colour - Pink</li> <li>• "E" image colour - Grey</li> <li>• Sound Button colour - Green</li> <li>• Erase Button colour - Red</li> <li>• Next button colour - Blue</li> </ul> <p>An Elephant animation could have been used here.</p> | <b><u>Method of solution</u></b> <p>This screen Teaches children aged between 3 &amp; 7 about the letter E. Sound is produced when the sound button is pressed, the screen can be drawn on and erased, and is filled with vibrant colour. All of which meets the purpose of the app whilst appealing to the target audience.</p> |

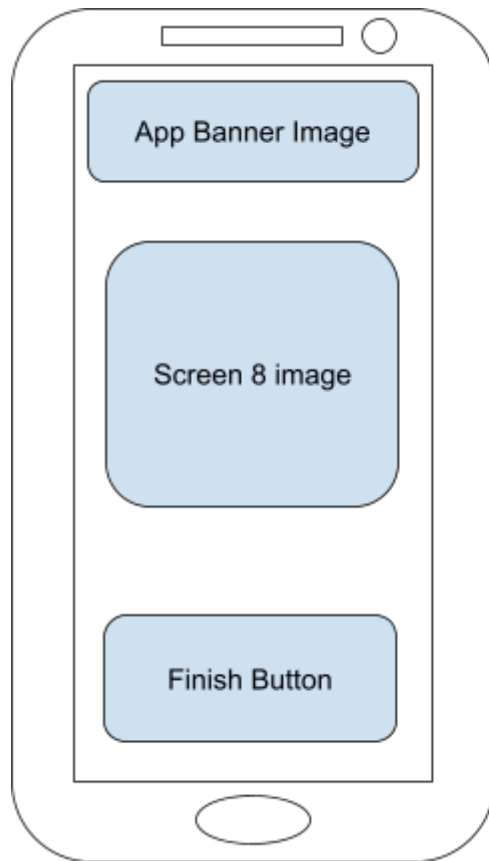
## Screen 7



|  |  |
|--|--|
| <b><u>Assets</u></b> <ul style="list-style-type: none"> <li>• F.jpg</li> <li>• SoundF.mp3</li> <li>• Sound.jpg</li> <li>• Erase.jpg</li> <li>• Next.jpg</li> </ul>   | <b><u>Events</u></b> <ul style="list-style-type: none"> <li>• Screen can be drawn on</li> <li>• Sound button plays "F for Frog"</li> <li>• Erase Button clears the screen</li> <li>• Next Button takes user to the next page</li> </ul>  |
| <b><u>Design notes/Alternative Ideas</u></b> <ul style="list-style-type: none"> <li>• Canvas paint colour - Blue</li> <li>• "F" image colour - Green</li> <li>• Sound Button colour - Green</li> <li>• Erase Button colour - Red</li> <li>• Next button colour - Blue</li> </ul> <p>An Elephant animation could have been used here.</p> | <b><u>Method of solution</u></b> <p>This screen Teaches children aged between 3 &amp; 7 about the letter F. Sound is produced when the sound button is pressed, the screen can be drawn on and erased, and is filled with vibrant colour. All of which meets the purpose of the app whilst appealing to the target audience.</p> |

## Screen 8





|  |  |
|--|--|
| <b>Assets</b> <ul style="list-style-type: none"> <li>• Banner.jpg</li> <li>• Screen8.jpg</li> <li>• Finish.jpg</li> <li>• Screen8.mp3</li> </ul>   | <b>Events</b> <ul style="list-style-type: none"> <li>• Message plays on screen 8</li> <li>• Finish Button can be pressed to proceed back to Screen 1</li> </ul>  |
| <b>Design notes/Alternative Ideas</b> <ul style="list-style-type: none"> <li>• Colourful App Banner Image</li> <li>• Large Screen 8 image that appeals to target audience</li> <li>• Finish button colour- Green and orange</li> <li>• Message plays in background</li> </ul> <p>An alternative for this page could be to have a video in place of screen8.jpg</p> | <b>Method of solution</b> <p>This screen meets the purpose and user requirements by being vibrant and easy to use which will appeal to the target audience. It will be clear that the user should press Finish in order to go to the main menu. The page is intended to mark the end of the interactive app.</p> |

## Asset/Sources Log

| Description of asset                      | File name   | Source                  | Modification made | Where used           |
|---|-------------|-------------------------|-------------------|----------------------|
| App banner image displaying app name.     | Banner.jpg  | Original                | N/A               | Screen 1<br>Screen 8 |
| Colourful image of the alphabet           | Screen1.jpg | <a href="#">freepik</a> | Resized           | Screen 1             |
| Button image displaying the words "Begin" | Begin.jpg   | Original                | N/A               | Screen 1             |
| Alphabet audio file                       | Screen1.mp3 | Original                | N/A               | Screen 1             |
| Image of the letter A                     | A.jpg       | Original                | N/A               | Screen 2             |
| Audio for the                             | SoundA.mp3  | Original                | N/A               | Screen 2             |

|  |             |                       |         |              |
|--|-------------|-----------------------|---------|--------------|
| letter A                                   |             |                       |         |              |
| Image for Sound Button                     | Sound.jpg   | Original              | N/A     | Screen 2 - 7 |
| Image for Erase Button                     | Erase.jpg   | Original              | N/A     | Screen 2 - 7 |
| Image for Next Button                      | Next.jpg    | Original              | N/A     | Screen 2 - 7 |
| Image of the letter B                      | B.jpg       | Original              | N/A     | Screen 3     |
| Audio for the letter B                     | SoundB.mp3  | Original              | N/A     | Screen 3     |
| Image of the letter C                      | C.jpg       | Original              | N/A     | Screen 4     |
| Audio for the letter C                     | SoundC.mp3  | Original              | N/A     | Screen 4     |
| Image of the letter D                      | D.jpg       | Original              | N/A     | Screen 5     |
| Audio for the letter D                     | SoundD.jpg  | Original              | N/A     | Screen 5     |
| Image of the letter E                      | E.jpg       | Original              | N/A     | Screen 6     |
| Audio for letter E                         | SoundE.mp3  | Original              | N/A     | Screen 6     |
| Image of the letter F                      | F.jpg       | Original              | N/A     | Screen 7     |
| Audio for letter F                         | SoundF.mp3  | Original              | N/A     | Screen 7     |
| Image of balloons                          | Screen8.jpg | <a href="#">nohat</a> | Resized | Screen 8     |
| Button image displaying the words "Finish" | Finish.jpg  | Original              | N/A     | Screen 8     |
| Audio file that says "well done"           | Screen8.mp3 | Original              | N/A     | Screen 8     |

## Test plan and Log

| Test No | Screen   | Test                    | Expected Outcome   | Actual Outcome | Comments |
|---------|----------|-------------------------|--|----------------|----------|
| 1       | Screen 1 | Open App                | Screen 1 loads and displays all buttons and images as expected and the audio begins playing. |                |          |
| 2       | Screen 1 | Press Begin Button      | Screen 2 displays.   |                |          |
| 3       | Screen 2 | Display Screen 2        | Screen 2 loads and displays all buttons and images as expected.                              |                |          |
| 4       | Screen 2 | Drag finger on canvas   | A red line is drawn.   |                |          |
| 5       | Screen 2 | Click sound Button      | A.mp3 is played.   |                |          |
| 6       | Screen 2 | Click Erase Button      | Any drawing on the Canvas is erased.   |                |          |
| 7       | Screen 2 | Click Next Button       | Screen 3 displays.   |                |          |
| 8       | Screen 3 | Display Screen 3        | Screen 3 loads and displays all buttons and images as expected.                              |                |          |
| 9       | Screen 3 | drag finger over Canvas | A blue line is drawn.  |                |          |
| 10      | Screen 3 | Click Sound Button      | B.mp3 is played.   |                |          |
| 11      | Screen 3 | Click Erase button      | Any drawing on the Canvas is erased.   |                |          |
| 12      | Screen 3 | Click Next Button       | Screen 4 displays  |                |          |
| 13      | Screen 4 | Display Screen 4        | Screen 4 loads and displays all buttons and images as expected.                              |                |          |

|    |          |                         |   |  |  |
|----|----------|-------------------------|---|--|--|
| 14 | Screen 4 | Drag finger over Canvas | A purple line is drawn.   |  |  |
| 15 | Screen 4 | Click Sound Button      | C.mp3 is played.  |  |  |
| 16 | Screen 4 | Click Erase button      | Any drawing on the Canvas is erased.                            |  |  |
| 17 | Screen 4 | Click Next Button       | Screen 5 displays.  |  |  |
| 18 | Screen 5 | Display Screen 5        | Screen 5 loads and displays all buttons and images as expected. |  |  |
| 19 | Screen 5 | Drag finger over Canvas | A yellow line is drawn.   |  |  |
| 20 | Screen 5 | Click Sound Button      | D.mp3 is played.  |  |  |
| 21 | Screen 5 | Click Erase Button      | Any drawing on the canvas is erased.                            |  |  |
| 22 | Screen 5 | Click Next Button       | Screen 6 displays.  |  |  |
| 23 | Screen 6 | Display Screen 6        | Screen 6 loads and displays all buttons and images as expected. |  |  |
| 24 | Screen 6 | Drag finger over Canvas | A pink line is drawn.   |  |  |
| 25 | Screen 6 | Click Sound Button      | E.mp3 is played.  |  |  |
| 26 | Screen 6 | Click Erase Button      | Any drawing on the screen is erased.                            |  |  |
| 27 | Screen 6 | Click Next Button       | Screen 7 displays.  |  |  |
| 28 | Screen 7 | Display Screen 7        | Screen 7 loads and displays all buttons and images as expected. |  |  |
| 29 | Screen   | Drag finger over        | A blue line is drawn.   |  |  |

|    |          |                     |  |  |  |
|----|----------|---------------------|--|--|--|
|    | 7        | Canvas              |  |  |  |
| 30 | Screen 7 | Click Sound Button  | F.mp3 is played.   |  |  |
| 31 | Screen 7 | Click Erase Button  | Any drawing on screen is erased.   |  |  |
| 32 | Screen 7 | Click Next Button   | Screen 8 displays.   |  |  |
| 33 | Screen 8 | Display Screen 8    | Screen 8 loads and displays all buttons and images as expected and the audio begins playing. |  |  |
| 34 | Screen 8 | Click Finish Button | Screen 1 displays  |  |  |