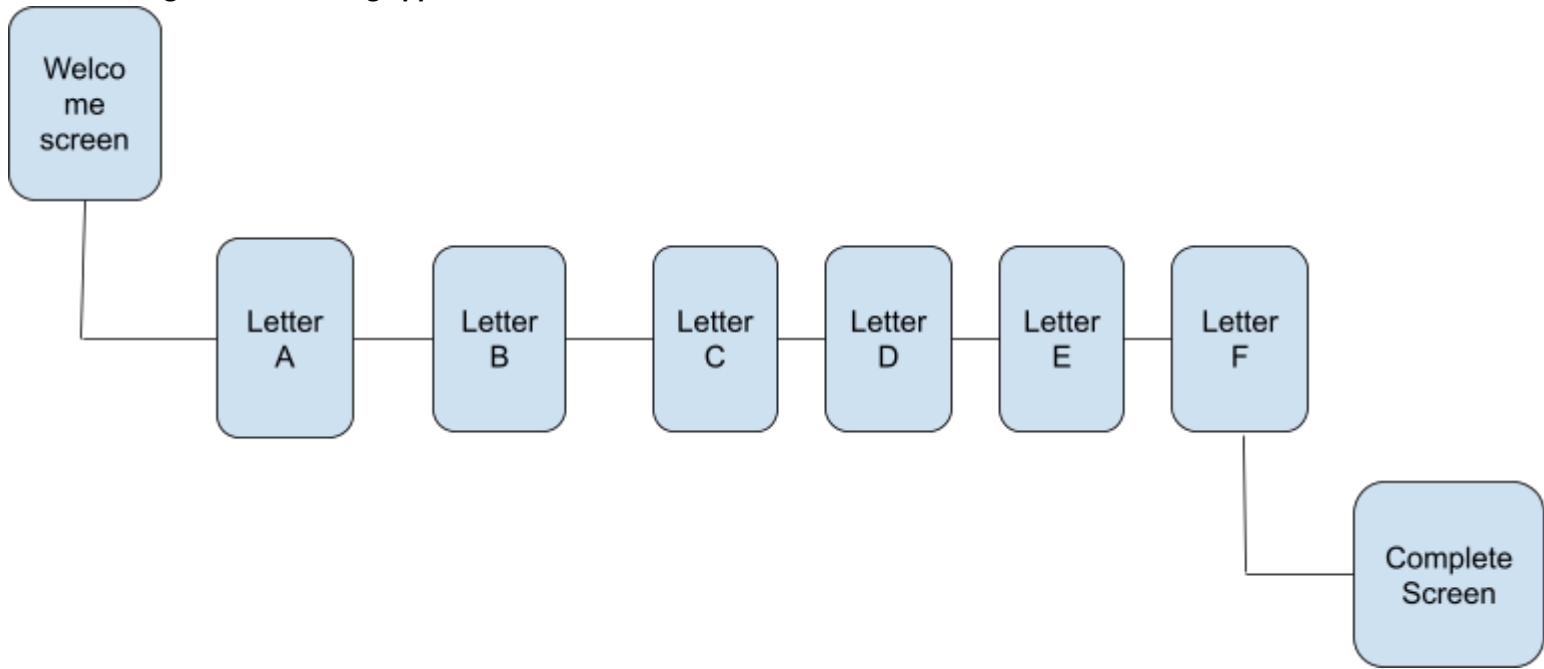


Structure Diagram for counting app.



Screen Name: Start Screen

Banner image(LTCBanner.jpg)

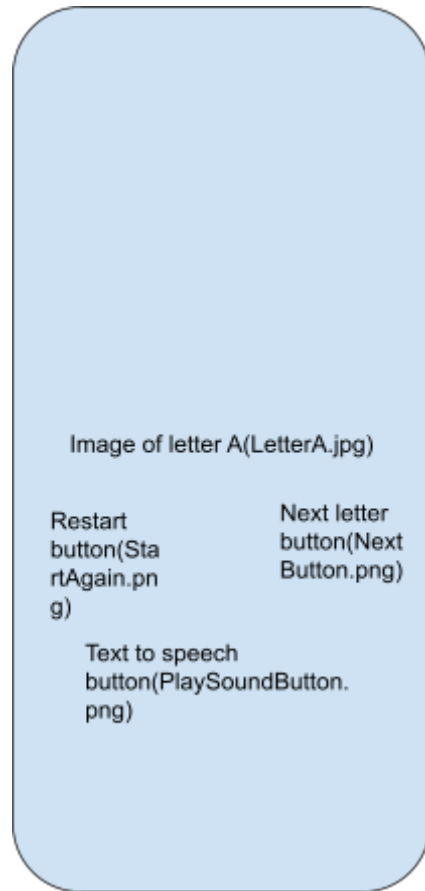
Intro music(Intro.png)

Learn The Alphabet Splash

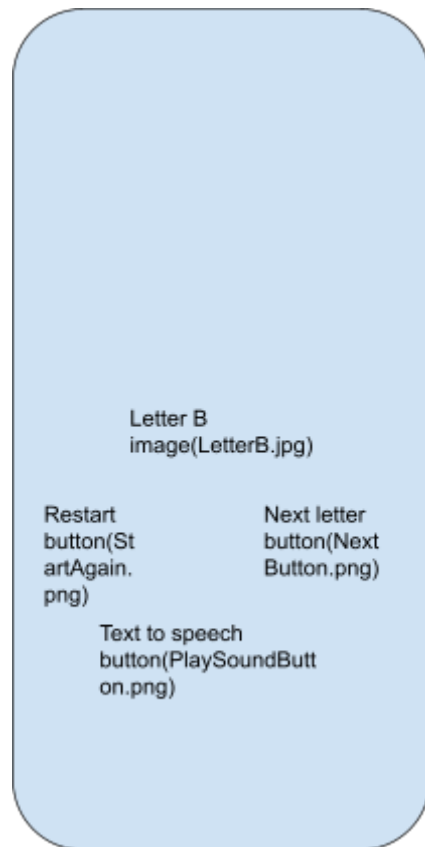
| Assets | Events(Inputs and Outputs) |
|---|--|
| LTCbanner.jpg LetterA-F.png Startbutton.png | <ul style="list-style-type: none">Alphabet letters A-FText to speechStart button |

| | |
|---|--|
| Intro.png | <ul style="list-style-type: none"> Letter select button |
| Design notes/Alternative ideas | Method of solution (what does this screen do?) |
| The start screen will have a white background with bold text and sans serif font with multicoloured text. | It's child friendly and has different colours and fun images. |

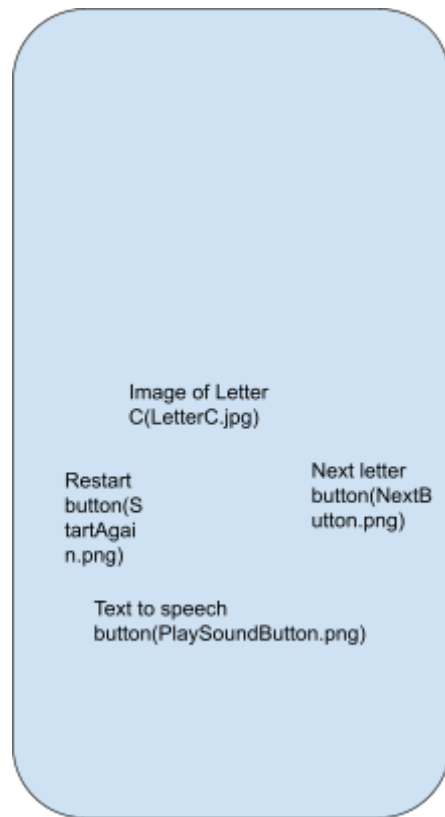
| | |
|--------|----------------------------|
| Assets | Events(Inputs and Outputs) |
|--------|----------------------------|



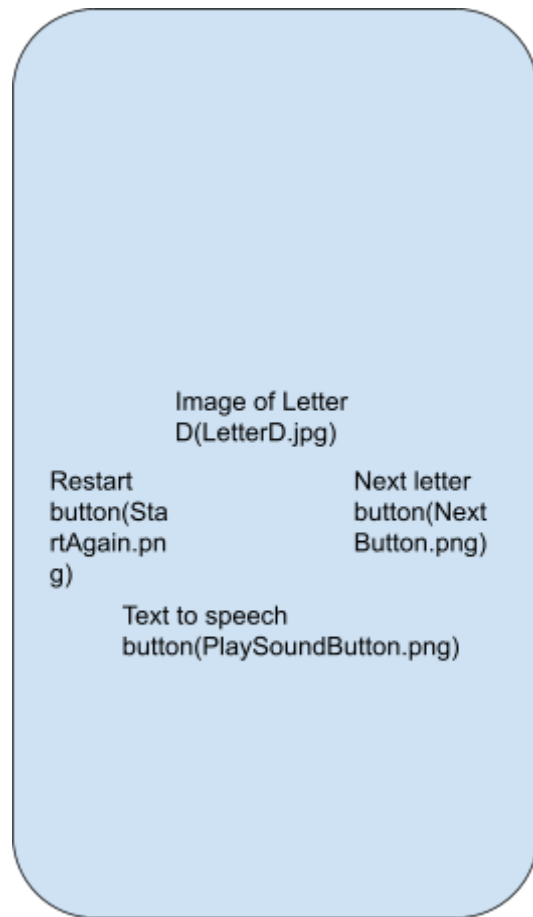
| | |
|---|--|
| LetterA.jpg PlaySoundButton.png NextButton.png StartAgain.png | <ul style="list-style-type: none"> • Text to speech • Restart button • Next letter button |
| Design notes/Alternative ideas | Method of solution (what does this screen do?) |
| The text layout will be Multicoloured text with a white background and sans serif font in bold. | Children at young ages like different colours and fun images. |



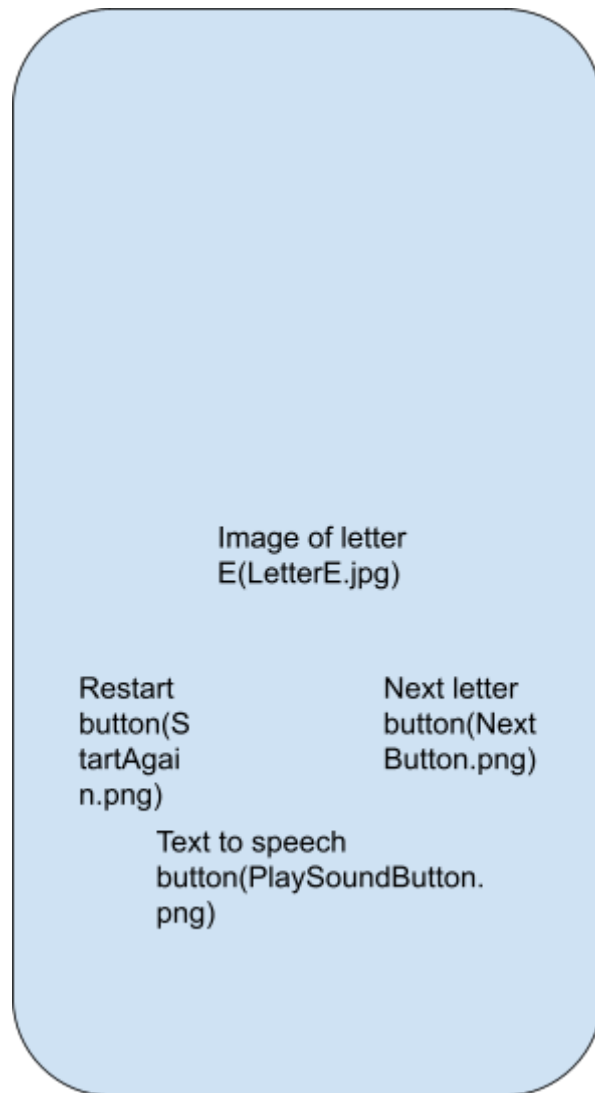
| Assets | Events(Inputs and Outputs) |
|---|--|
| LetterB.jpg PlaySoundButton.png NextButton.png StartAgain.png | <ul style="list-style-type: none"> • Text to speech • Restart button • Next letter button |
| Design notes/Alternative ideas | Method of solution (what does this screen do?) |
| The text layout will be Multicoloured text with a white background and sans serif font in bold. | Children at young ages like different colours and fun images. |



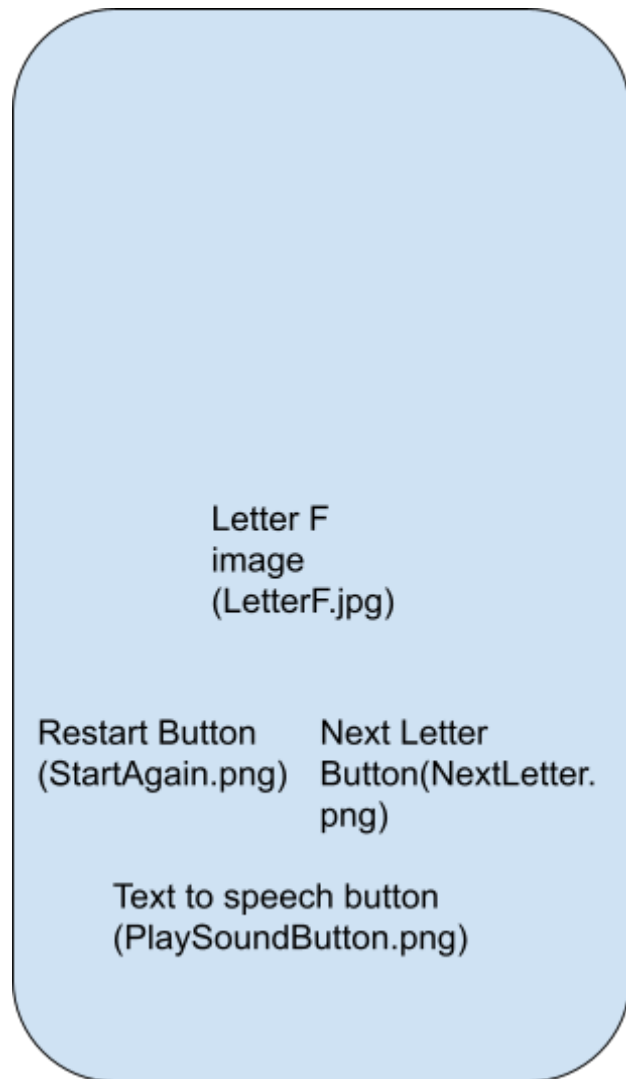
| Assets | Events(Inputs and Outputs) |
|---|--|
| LetterC.jpg PlaySoundButton.png NextButton.png StartAgain.png | <ul style="list-style-type: none"> • Text to speech • Restart button • Next letter button |
| Design notes/Alternative ideas | Method of solution (what does this screen do?) |
| The text layout will be Multicoloured text with a white background and sans serif font in bold. | Children at young ages like different colours and fun images. |



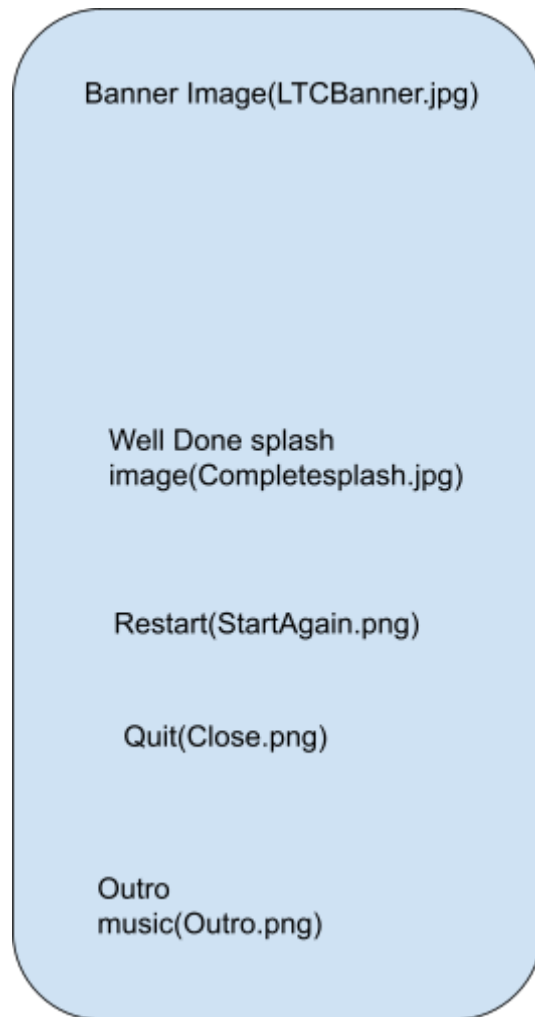
| Assets | Events(Inputs and Outputs) |
|---|--|
| LetterD.jpg PlaySoundButton.png NextButton.png StartAgain.png | <ul style="list-style-type: none">• Text to speech• Restart button• Next letter button |
| Design notes/Alternative ideas | Method of solution (what does this screen do?) |
| The text layout will be Multicoloured text with a white background and sans serif font in bold. | Children at young ages like different colours and fun images. |



| Assets | Events(Inputs and Outputs) |
|---|--|
| LetterE.jpg PlaySoundButton.png NextButton.png StartAgain.png | <ul style="list-style-type: none"> • Text to speech • Restart button • Next letter button |
| Design notes/Alternative ideas | Method of solution (what does this screen do?) |
| The text layout will be Multicoloured text with a white background and sans serif font in bold. | Children at young ages like different colours and fun images. |



| Assets | Events(Inputs and Outputs) |
|---|--|
| LetterF.jpg PlaySoundButton.png NextButton.png StartAgain.png | <ul style="list-style-type: none">• Text to speech• Restart button• Next letter button |
| Design notes/Alternative ideas | Method of solution (what does this screen do?) |
| The text layout will be Multicoloured text with a white background and sans serif font in bold. | Children at young ages like different colours and fun images. |




| Assets | Events(Inputs and Outputs) |
|---|---|
| LTCBanner.jpg StartAgain.png Close.png Completesplash.jpg Outro.png | <ul style="list-style-type: none">• Quit button• Restart button• Next letter button |
| Design notes/Alternative ideas | Method of solution (what does this screen do?) |
| The text layout will be Multicoloured text with a white background and sans serif font in bold. | Children at young ages like different colours and fun images. |

Pseudocode

| Screen | Screen 1 | Letter A | Letter B | Letter C | Letter D | Letter E | Letter F | Complete |
|-------------------|--|---|--|---|--|---|--|--|
| Pseudocode | If the start button pressed display letter A screen. | If Sound Button pressed play letter sound. If finger drag across canvas draw line. If clear button pressed clear Canvas. If next button pressed display Letter B screen. | If Sound button pressed play letter sound. If finger drag across canvas draw line. If clear button pressed clear Canvas. If next button pressed display Letter C screen. | If Sound button pressed play letter sound. If finger drag across canvas draw line. If clear button pressed clear Canvas. If next button pressed display letter D screen. | If Sound button pressed play letter sound. If finger drag across canvas draw line. If clear button pressed clear Canvas. If next button pressed display letter E screen | If Sound button pressed play letter sound. If finger drag across canvas draw line. If clear button pressed clear Canvas. If next button pressed display letter F screen. | If sound button pressed play letter sound. If finger drag across canvas draw line. If clear button pressed clear Canvas. If next button pressed display Complete screen. | If restart button pressed display letter A screen If the quit button is pressed, close the app. |

Pre-defined code

| Code(Blocks) |  |  |  |
|--------------|---|---|---|
| Taken from | Number app | Number app | TalkToMe Tutorial |

| | | | |
|----------|--------------|--------------|--------------------------|
| Used for | Intro screen | Intro screen | End of mobile app screen |
|----------|--------------|--------------|--------------------------|

Asset/source log

Developer Name: Ryan Addleton

| Description of asset | File name | Source | Modifications made | Where used |
|---------------------------------|---------------------|----------------|--------------------|----------------------------------|
| Banner image | LTCBanner.jpg | No Source used | N/A | Screens 1 & 8 |
| Restart button | StartAgain.png | No Source used | N/A | all screens |
| Start button | Startbutton.png | No Source used | N/A | Screen 1 |
| Learn the alphabet splash image | LetterA-F.png | No Source used | N/A | Screen 1 |
| Text to speech | PlaySoundButton.png | No Source used | N/A | Start Screen-Letter F screen |
| Well Done Splash image | Completespalsh.jpg | No Source used | N/A | Complete screen |
| Next letter button | NextLetter.png | No Source used | N/A | Letter A screen- Letter F screen |
| Quit button | Close.png | No Source used | N/A | Complete screen |
| Intro music | Intro.png | No Source used | N/A | Screen 1 |
| Outro music | Outro.png | No Source used | N/A | Complete screen |

Test plan & Log

Developer name: Ryan Addleton

Application: Alphabet Mobile App

| Test No | screen | Test | Expected outcome |
|---------|--------|------------|--------------------------------|
| 1 | 1 | successful | I didn't know if it would work |
| 1 | 2 | successful | I didn't know if it would work |
| 1 | 3 | successful | I didn't know if it would work |
| 1 | 4 | successful | I didn't know if it would work |
| 1 | 5 | successful | I didn't know if it would work |
| 1 | 6 | successful | I didn't know if it would work |
| 1 | 7 | successful | I didn't know if it would work |