



LEARNER ASSESSMENT SUBMISSION FRONT SHEET

Learner Name	illia Slanina
Assessor Name	Neil Wickham
Unit	8 - Mobile Apps Development
Assignment Title	2 - Designing Your Mobile App for CambriaTek

My Literacy Targets

extracting text

Listening

Read

Write

Spell

Grammar

Punctuate

My Numeracy Targets

Finding parts
Not visited Fractions

Submission Declaration

I certify that the evidence submitted for this assignment is my own. I have clearly referenced any sources and any artificial intelligence (AI) tools used in the work. I understand that false declaration is a form of malpractice.

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Introduction

Using my experience from my investigation, I'm going to design an app for children to help them with alphabet learning.

Purpose and User requirements

Purpose

The purpose is to make the design of the app which will help children to learn the alphabet.

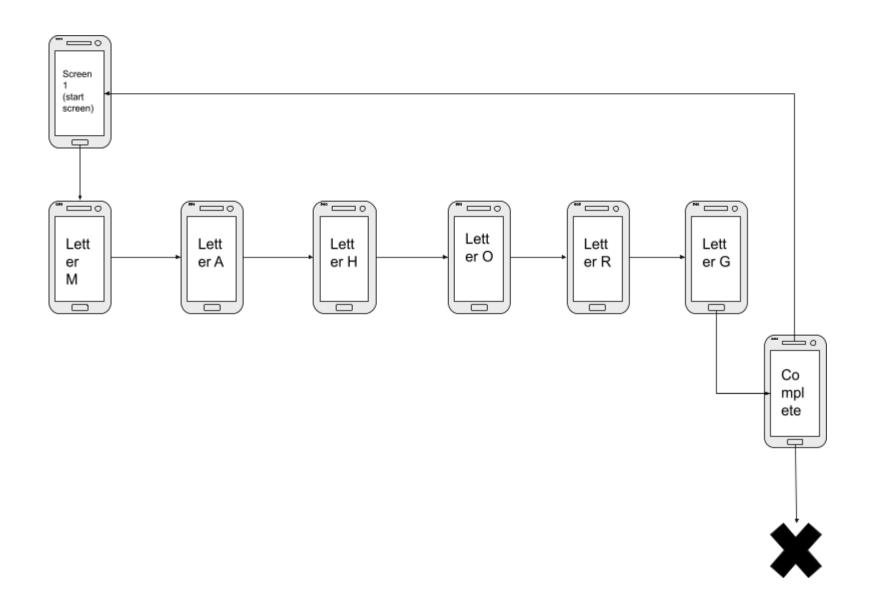
• User Requirements

The main audience of the App will be children between 3 & 7 years old, so the interface of the app should be very easy to use and be clear and simple, the design should be appealing to this age range.

The app will need to help users to learn sounds and shapes of letters of the alphabet, help to recognise letters and their sounds, and remember them

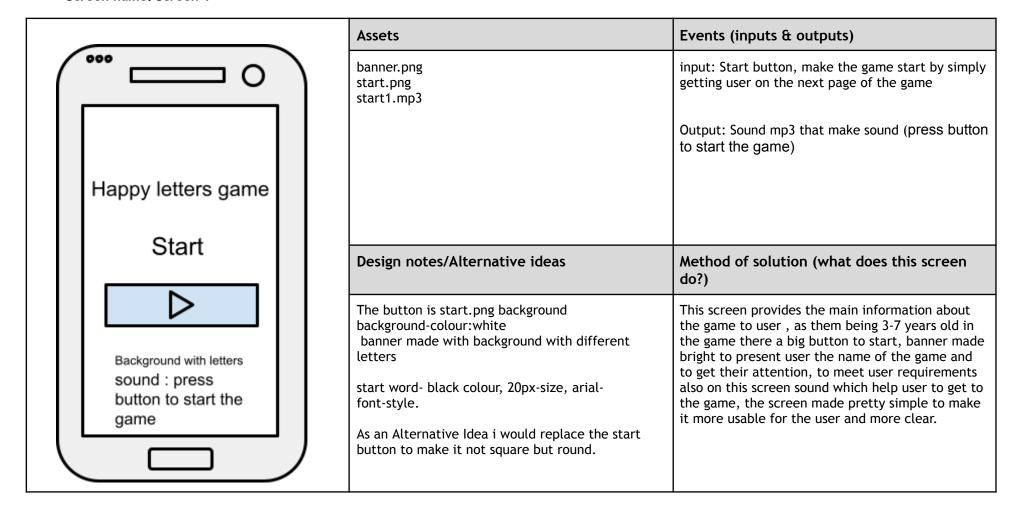
There will be no requirement for grades, achievements or something that is competitive because the client wants the app to be easy, simple and fun, so children will like to learn and to decrease the chance of the children getting demotivated by negative feedback or competition.

Structure Diagram for an Alphabet App

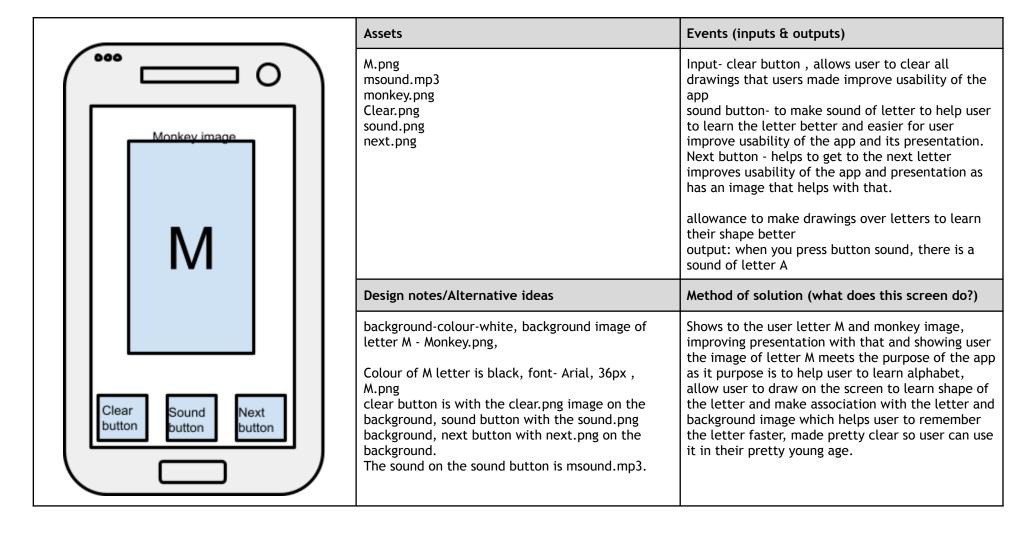


Storyboards

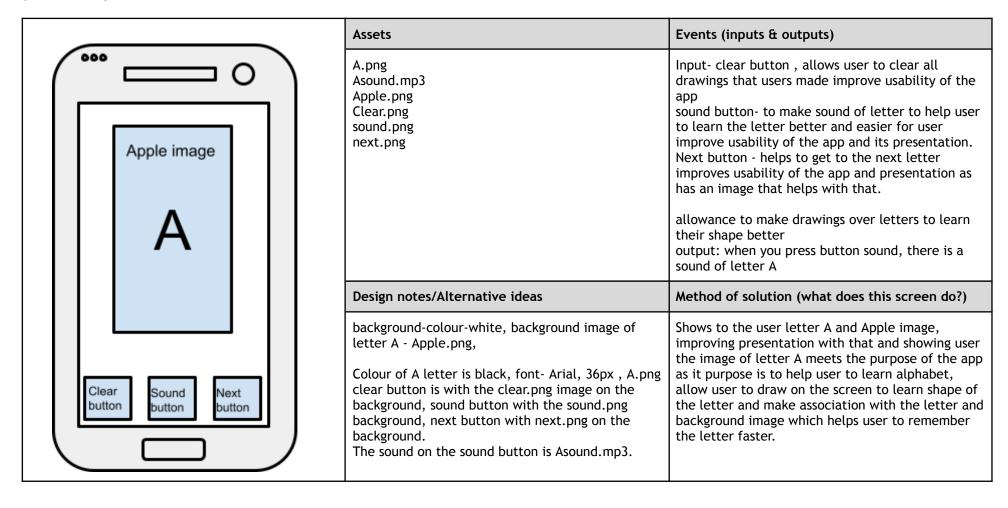
Screen name: Screen 1



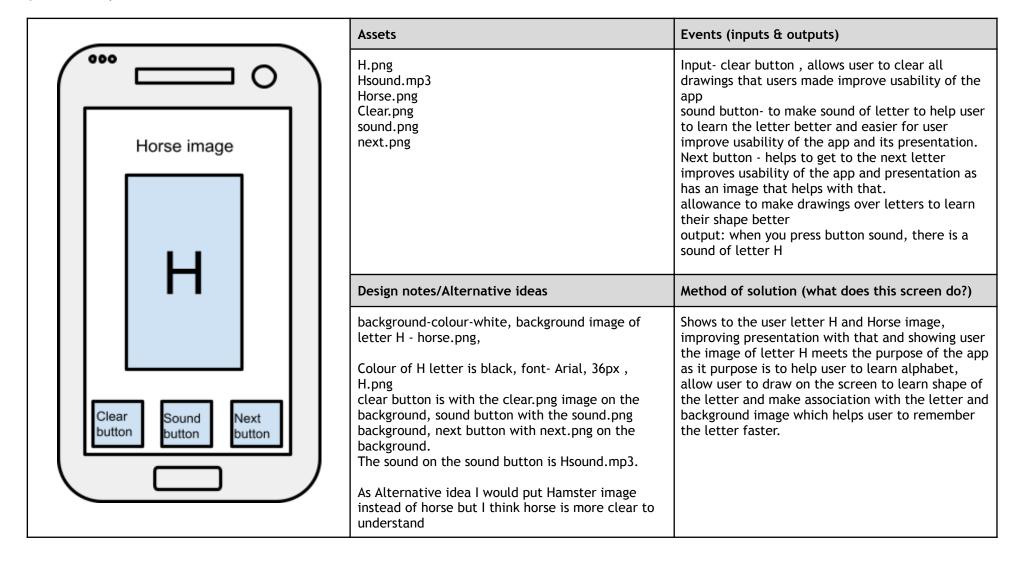
Screen name: Letter M



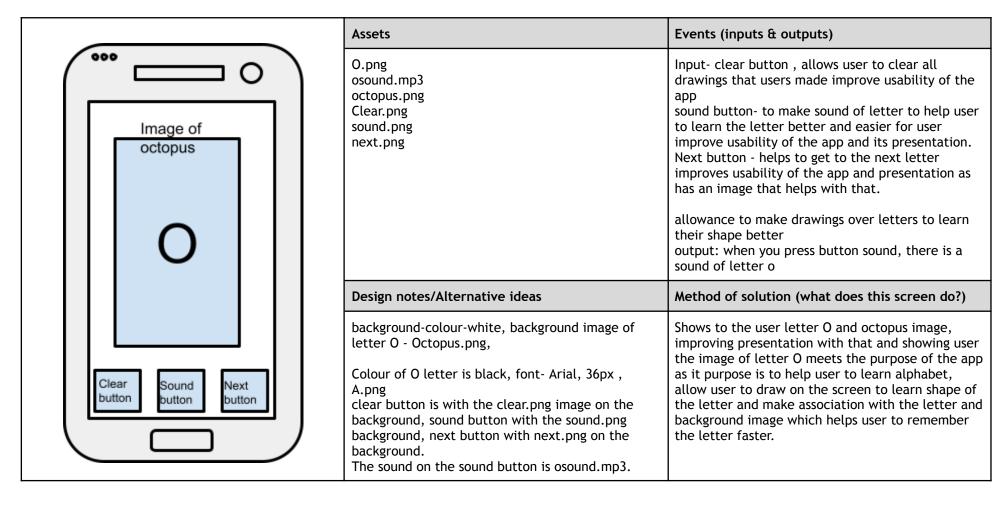
Screen name: Letter A



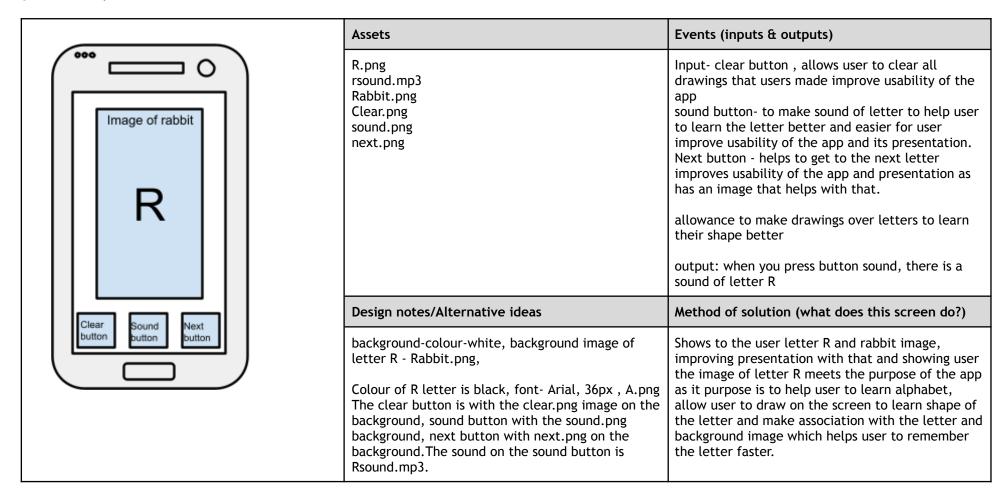
Screen name: Letter H



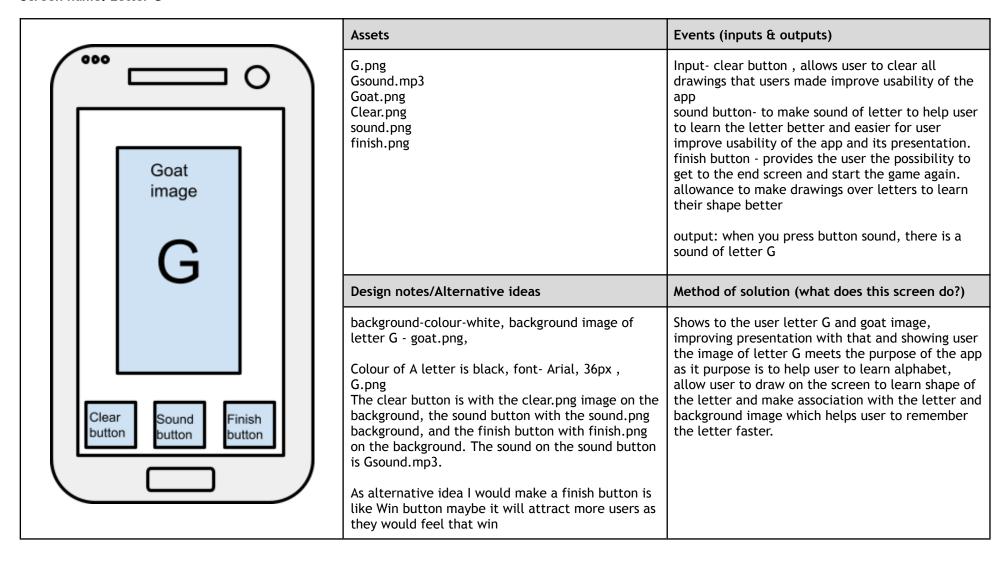
Screen name: Letter O



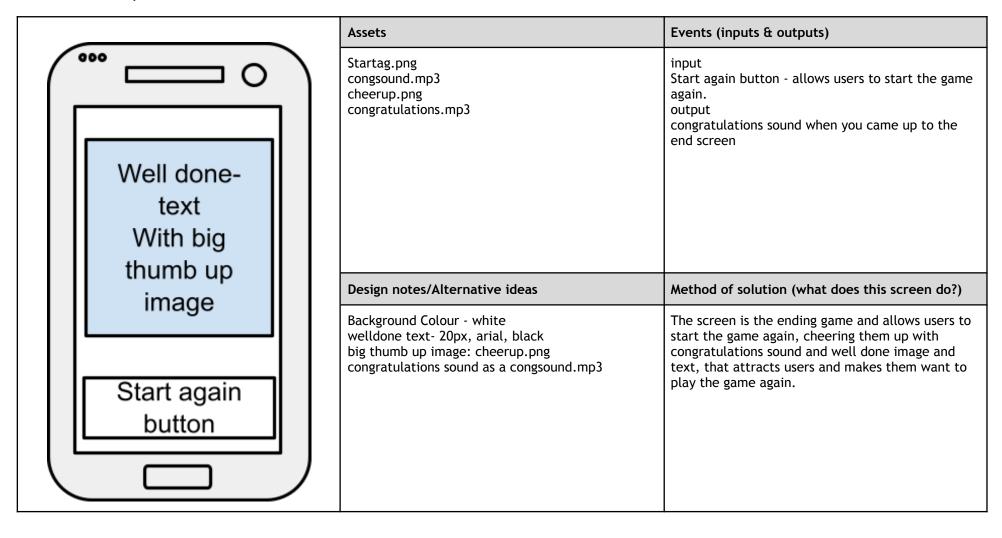
Screen name: Letter R



Screen name: Letter G



Screen name: complete screen



Pseudocode

Screen	Screen 1	Screen M	Screen A	Screen H	Screen O	Screen R	Screen G	Screen Complete
Pseudocode	button start getting you to the Screen M, to the next screen, if pressed	button sound - make the sound of letter M when pressed, button clear is clearing all drawings when pressed button next getting you to the next page of the app to the Screen A when pressed	button sound - make the sound of letter A when pressed, button clear is clearing all drawings when pressed button next getting you to the next page of the app to the Screen H when pressed	button sound - make the sound of letter H when pressed, button clear is clearing all drawings when pressed button next getting you to the next page of the app to Screen O when pressed	button sound - make the sound of letter O when pressed, button clear is clearing all drawings when pressed button next getting you to the next page of the app to Screen R when pressed	button sound - make the sound of letter R when pressed, button clear is clearing all drawings when pressed button next getting you to the next page of the app to Screen G when pressed	button sound - make the sound of letter R when pressed, button clear is clearing all drawings when pressed button Finish getting you to the next page of the app to the Screen Complete page if pressed	button start again getting you to the screen 1, to if pressed to start game again

Pre-defined Code

Code (Blocks)	when StartButton1 .Click do open another screen screenName number1 .	when sound .Click do call Player1 .Start	when clear .Click do call Canvas1 .Clear
Taken from	This block taken from number app used to go to the next screen which is first screen to start playing https://classroom.google.com/c/NjQ 5MzAxMDgxOTQw/a/NjU00TM0NDM0 MTMx/details	This block taken from number app used to make the sound of numbers by pressing the button https://classroom.google.com/c/NjQ5MzAxMDgxOTQw/a/NjU0OTM0NDM0MTMx/details	This block is taken from the number app used to clear the drawings the user used by pressing it. https://classroom.google.com/c/NjQ5MzAxMDgxOTQw/a/NjU0OTM0NDM0MTMx/details
Used for	In the alphabet game I used it to start the game as well to transfer users to the next screen which is first screen M.	In the alphabet game I used it to make the sound of letters by pressing it and helping users to find out the sound of letters.	in the alphabet this block used to clear drawings users made in there by pressing the button.

Asset/sources log

developer:Illia Slanina

Description Asset	File name	Source	Modifications made	Where used
Image os start button	start.png	made in photoshop		at screen 1
banner image	banner.png	made in photoshop		at screen 1
monkey image	monkey.png	https://unsplash.com/photos/brown-monkey-sitting-on-gray-concrete-floor-during-daytime-daC7ji1EMHM		at Screen M
apple image	apple.png	https://unsplash.com/photos /red-apple-fruit-gDPaDDy6_W E		At screen A
Image of horse	horse.png	https://unsplash.com/photos /brown-and-white-horse-hea d-cjSUZMA2iW8		At screen H
image of octopus	octopus.png	https://unsplash.com/photos /brown-and-black-dragon-in- water-dW0gfouU8		At screen O
image of Rabbit	rabbit.png	https://unsplash.com/photos /brown-rabbit-on-white-texti leSDX4KWIbA		At screen R
image of goat	goat.png	https://unsplash.com/photos /white-cow-on-green-grass-fi eld-under-white-clouds-and-b		At screen G

		lue-sky-during-daytime-xB0e8 bDV4ww	
image of the cheering up image	cheerup.png	https://www.dreamstime.co m/cute-smiley-face-ok-like-ic on-happy-smiley-character-ca rtoon-vector-illustration-isola ted-white-background-cute-f ace-smiling-image185517558	At screen Complete
start again image	Startag.png	made in photoshop	At screen Complete
image of next button	next.png	https://www.flaticon.com/fr ee-icon/next-arrow_20927	at Screen M At screen A At screen H At screen O At screen R
image of clear button	clear.png	https://www.flaticon.com/fr ee-icon/delete_1214428	at Screen M At screen A At screen H At screen O At screen R At screen G
image of sound button	sound.png	https://www.flaticon.com/fr ee-icon/volume_4196786?ter m=sound+button&page=1&po sition=1&origin=search&relat ed_id=4196786	at Screen M At screen A At screen H At screen O At screen R At screen G
Image of finish button	finish.png	https://www.flaticon.com/fr ee-icon/finish-flag_2633860?t erm=finish+button&page=1&p	At screen G

	1	.	1	
		osition=14&origin=search&rel ated_id=2633860		
Sounds of letter M	Msound.mp3	https://jolly2.s3.amazonaws.com/british_english/group2/m.mp3		at Screen M
Sounds of letter A	Asound.mp3	https://jolly2.s3.amazonaws.com/british_english/group1/a.mp3		at Screen A
Sounds of letter H	Hsound.mp3	https://jolly2.s3.amazonaws.com/british_english/group2/h.mp3		at Screen H
Sounds of letter O	Osound.mp3	https://jolly2.s3.amazonaws.com/british_english/group3/o.mp3		at Screen O
Sounds of letter R	Rsound.mp3	https://jolly2.s3.amazonaws.com/british_english/group2/r.mp3		at Screen R
Sounds of letter G	Gsound.mp3	https://jolly2.s3.amazonaws.com/british_english/group3/g.mp3		at Screen G

Test plan & Log

Developer Name: Illia Slanina Application: Happy letters, alphabet learning

Test No	Screen	Test	Expected Outcome	Actual Outcome	Comments
1	Screen1	Open app	Screen 1 displays and all images and buttons are displayed and fully visible		
2	Screen 1	Press start button	Letter M screen displays		
3	Screen M	Display Screen M	Letter M screen displays and all images and buttons are displayed and fully visible		
4	Screen M	Press sound button	'Msound.mp3' sound file is played and heard clearly		
5	Screen M	Press clear button	All drawn lines are cleared from screen		
6	Screen M	Press next button	letter A screen is displayed		
7	Screen A	Display Number2 screen	A screen displays and all images and buttons		

8			are displayed and fully visible	
9	Screen A	Press sound button	'Asound.mp3' sound file is played and heard clearly	
10	Screen A	Press clear button	All drawn lines are cleared from screen	
11	Letter A	Press next button	Letter H screen is displayed	
12	letter H	Display letter H screen	Letter H screen displays and all images and buttons are displayed and fully visible	
13	Letter H	Press sound button	'Hsound.mp3' sound file is played and heard clearly	
14	Letter H	Press clear button	All drawn lines are cleared from screen	
15	Letter H	Press next button	Letter O screen is displayed	

16	Letter O	Display Letter O screen	letter O screen displays and all images and buttons are displayed and fully visible	
17	letter O	Press sound button	'Osound.mp3' sound file is played and heard clearly	
18	letter O	Press clear button	All drawn lines are cleared from screen	
19	Letter O	Press next button	Letter R screen is displayed	
20	Letter R	Display Letter R screen	Letter R screen displays and all images and buttons are displayed and fully visible	
21	Letter R	Press sound button	'Rsound.mp3' sound file is played and heard clearly	
22	Letter R	Press clear button	All drawn lines are cleared from screen	

23	Letter R	Press next button	letter G screen is displayed	
			aispiayea	

24	letter G	Display Letter G screen	Letter G screen displays and all images and buttons are displayed and fully visible	
25	Letter G	Press sound button	'Gsound.mp3' sound file is played and heard clearly	
26	Letter G	Press clear button	All drawn lines are cleared from screen	
27	Letter G	Press finish button	Complete screen is displayed	
28	Complete	Display Complete screen	Complete screen displays and all images and buttons are displayed and fully visible	
29	Complete	Press Start Again button	Screen1 is displayed	

Constraints

I would make more different blocks of code, to add more functions, more usability to the application , make it cooler more attractive to the user, for example I would add a firework animations which are works if user drawed the right shape of the letter he can see on the screen, that would improve overall expressions of user about the game, but because of the lack of my skills, unfortunately I can't do that, I need to learn more to do more things which will justify and attract the user and hold them more in the game.

I would make more letters to make the game more interesting and I would add more details on the screen such as different animations and different images. If I would have more time and more place on the screen as well, if it was bigger resolution of the screen I would make more different things which possibly could improve presentation and usability and attract users to stay longer in the game, but unfortunately I haven't got that resolution and that much of time to learn that and use.

I would make the design of the app more detailed if I had more time, knowledge and experience about different applications. but unfortunately I have limited time, the lack of knowledge and skill. And I couldn't do the design as detailed as I wanted, but I will learn more about apps and their design to get more knowledge and skills and I will practise my skills by myself at home to improve them.

Justification

The design meet the purpose because it has 6 new letters for the user to learn and remember the shape of it which covers user requirements, it has really bright colours but doesn't hurt the eye when you look on them, also there big buttons which is cover requirements and purpose also improving the user experience and the usability of the app and presentation to help users 3-7 y.o. to learn alphabet so big buttons will make the game interface clear to them and simple to use, to improve usability and to cover the user requirements, meet the purpose as the purpose is make the design of the game usable and simple for users 3-7y.o. The sounds which are made to help them to remember the letters, meeting the purpose because they help users to remember the pronunciation of letters, making improvements for usability, covering user requirements, and improving accessibility of the app. There are big letters in the middle of the screen and also allowance and possibility to draw on the screen to help users with writing and remembering the shape as physical memory is better than visible meeting the purpose of the app to help users with alphabet learning, make the study easy and simple for them, joyful and. Also there is an Association with different objects like animals and fruits, to help users to remember letters with their favourite animals and food, which covers user requirements and meets the purpose of the app as it helps people to learn the letters and be easy and simple for the users. The design is very easy and usable for the users, covering user requirements and meeting the purpose by being simple, the design covered user requirements as helping to learn the alphabet easily with images, big buttons.