

# Year 7 Term 3 Assessment Notification



<b>Subject:</b>	<b>Digital Technologies</b>
<b>Task:</b>	<b>App Development</b>
<b>Due Date:</b>	8:45am Tuesday 3 September 2019 (Term 3, Week 7)
<b>Weight:</b>	<b>30%</b>

## Content of the Task

You will be creating a fun mobile app, using Thunkable, where you are able to take photos and rate the image. You will need to follow a series of steps to create a complete user interface, then implement the blocks required to make the app functional.

## Requirements of the Task

### What will you rate?

Your app will be based on a topic of your own choice, that you will negotiate with your teacher. It needs to make sense to be able to take photos and give it a rating. You also need to ensure that it is a useful, sensible and appropriate topic (e.g. not rude or offensive).

### Screen 1 (splash screen)

- You will need to design a simple splash screen which includes a custom background colour, labels to display appropriate text, an image and a start button.
- The start button should take the user to Screen 2, when clicked

### Screen 2 (camera screen)

- Your second screen will need to make use of the camera on your phone. It needs to include a camera component, an image to display the photo taken, labels, a slider and three buttons within a row layout.
- The first button should be used to activate the camera, take a photo and display the image
- The second button should be used to store the name, image and rating as variables
- The third button should take the user to Screen 3, when clicked

### Screen 3 (photo gallery screen)

- Your third and final screen will need to display each photo you stored in the previous screen. It needs to include a title, an empty column layout and two buttons within a row layout.
- This is a more difficult challenge, that requires advanced use of components within the "Control" and "Any Component" tabs

### Custom Creative Features (Extension)

- You may explore your own creative way to enhance the app. **There are no official marks allocated to this, but it will boost your effort grade.** Some ideas include:
  - o Using text-to-speech to create and store an audio review explaining each rating, then play it back using buttons in the photo gallery screen
  - o Displaying the rating in the photo gallery using 1-5 stars instead of just a number

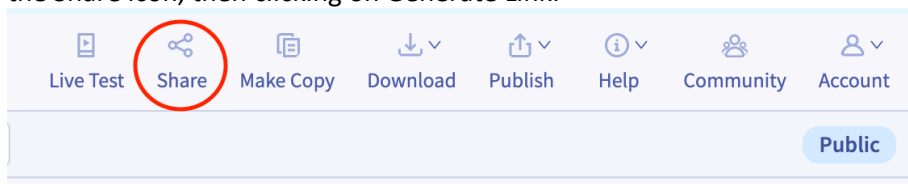
## Submission Instructions

In Google Classroom, you will be required to complete a Google Form to provide the following details:

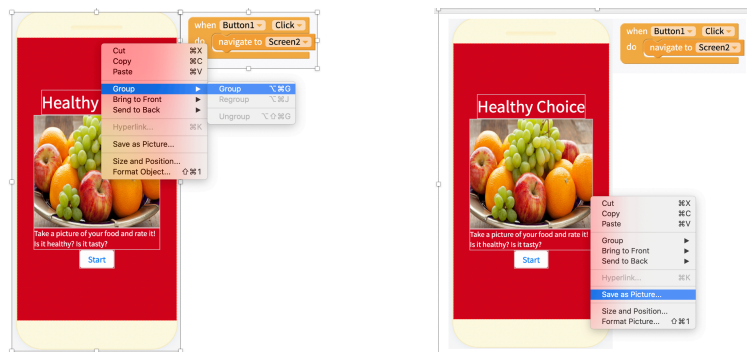
- Student Name
- Student ID Number
- Thunkable App Shared Link
- Picture of Design and Blocks for Screen 1
- Picture of Design and Blocks for Screen 2
- Picture of Design and Blocks for Screen 3

### Notes:

- After your task has been completed, you can get the Thunkable App Shared Link by clicking on the Share icon, then clicking on Generate Link.



- You will need to demonstrate the ability to take screenshots and combine images, in order to upload a single picture for each screen that displays both the design and blocks. An easy way to combine two images into a single file is to use Microsoft PowerPoint, and follow these steps:
  - o Create a new blank presentation
  - o Delete the default boxes
  - o Insert > Pictures > Picture from file (choose the screenshot for the design of a screen)
  - o Insert > Pictures > Picture from file (choose the screenshot for the block of the same screen)
  - o Position the images so they are not overlapping
  - o Hold left click and drag to select both images
  - o Right click on the selection, then click on Group > Group
  - o Right click on the merged image and click on Save as Picture...



## Marking Criteria

The marking criteria is shown on the next page. **You are required to tick off the requirements as they are completed.** During class, you will demonstrate and explain to your teacher how each screen works. **Your teacher must be convinced that you have a good understanding of the work you completed, in order to be awarded marks for each criterion.**


### Student Outcomes

<b>ACTDIP023</b>	Investigate how data is transmitted	<b>ACTDIP028</b>	Design the user experience of a digital system
<b>ACTDIP025</b>	Acquire data from a range of sources	<b>ACTDIP031</b>	Evaluate how student solutions and existing information systems meet needs
<b>ACTDIP026</b>	Analyse and visualise data to create information	<b>ACTDIP032</b>	Plan and manage projects that create and communicate ideas collaboratively online
<b>ACTDIP027</b>	Define and decompose real-world problems		

## Year 7 Digital Technologies App Development Semester Two (30%)

Name:

Marking Criteria:

Item	<input checked="" type="checkbox"/>	Mark	Total
<b>Screen 1 – Design and Blocks (8 marks)</b>			
Background colour changed		1	
Label displaying the name of the app, with larger font size		2	
Image included and resized		2	
Brief app description included		1	
Start button included, when clicked, this takes the user to Screen 2		2	
<b>Screen 2 – Design (8 marks)</b>			
Screen title included		1	
Empty image included and resized		2	
Text input included		1	
Label for rating included		1	
Slider for rating included		1	
3 Buttons included inside a row		2	
<b>Screen 2 - Blocks (8 marks)</b>			
When the camera button is clicked, the user can take a photo, which is then displayed in the empty image		2	
3 Lists are initialised as cloud variables (to store name, photo and rating)		1	
When Screen2 starts, if a list variable is null, they are set to empty lists		2	
When the add button is clicked, the name, photo and rating are added to their respective lists, and an appropriate message is displayed		2	
When the gallery button is clicked, this takes the user to Screen 3		1	
<b>Screen 3 – Design (4 marks)</b>			
Title included		1	
Empty column included		1	
2 buttons included inside a row		2	
<b>Screen 3 – Blocks (12 marks)</b>			
When the back button is clicked, this takes the user to Screen 2		1	
A loop is created that counts from 1 to the length of the list containing names		2	
When the clear list button is clicked, all lists should be reset to empty lists		2	
When screen 3 opens, for each item in the images list, a new image is created and added to Column1 (so all photos are displayed)		2	
When screen 3 opens, instead of just the image, it also displays the name and rating of each item		2	
Joins text to display the rating out of 10		3	
<b>Custom Creative Features (Extension)</b>			
Student to explain and justify how they have creatively enhanced their app, including screen design and blocks			
<b>TOTAL</b>		<b>40</b>	

Tick the boxes in this column when you have completed the task in each row