



Name : Rajkumar B L

Reg.No : 2047120

MCS 272 – Mobile Application

Lab Report



A screenshot of an Android application interface. It features a light gray background with a central, rounded rectangular button. The button has a dark gray background and contains the white text "HelloWorld" in a sans-serif font.

HelloWorld

Lab 01 : Hello Toast

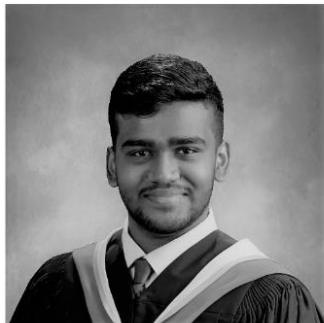
Name : Rajkumar B L
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Course : MCS 272 Mobile Application (Lab 01)

Output:

1. Welcome Screen



MCS 272 - LAB 01

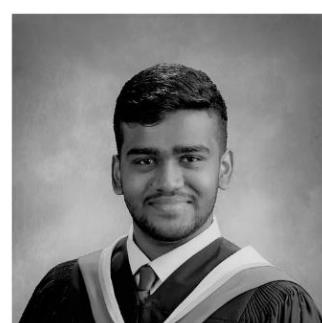


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2. Toast button clicked.



MCS 272 - LAB 01



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WELCOME

WELCOME

The current count is 0

TOAST

COUNT

TOAST

COUNT

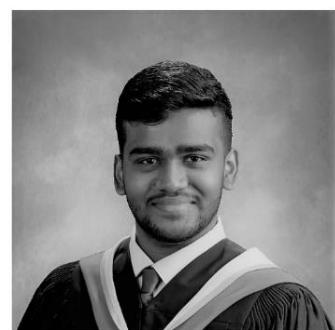


Note: The color of the count changes for every onclick performed on the count button. It is achieved by generating different RGB integer values using Random.

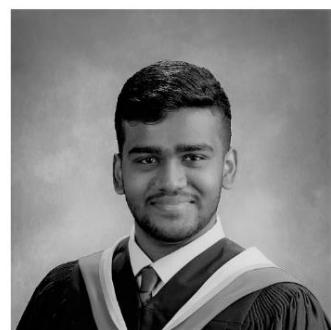
3. Count button clicked.



4. Count button clicked (6th time).



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1

6

TOAST

COUNT



TOAST

COUNT



5.Count button clicked (19th time).



6. Toast button clicked.



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19

TOAST

COUNT



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19

The current count is 19

TOAST

COUNT



The code used in the Main Activity and XML layout is attached below for reference.



Lab 02 : Calculator

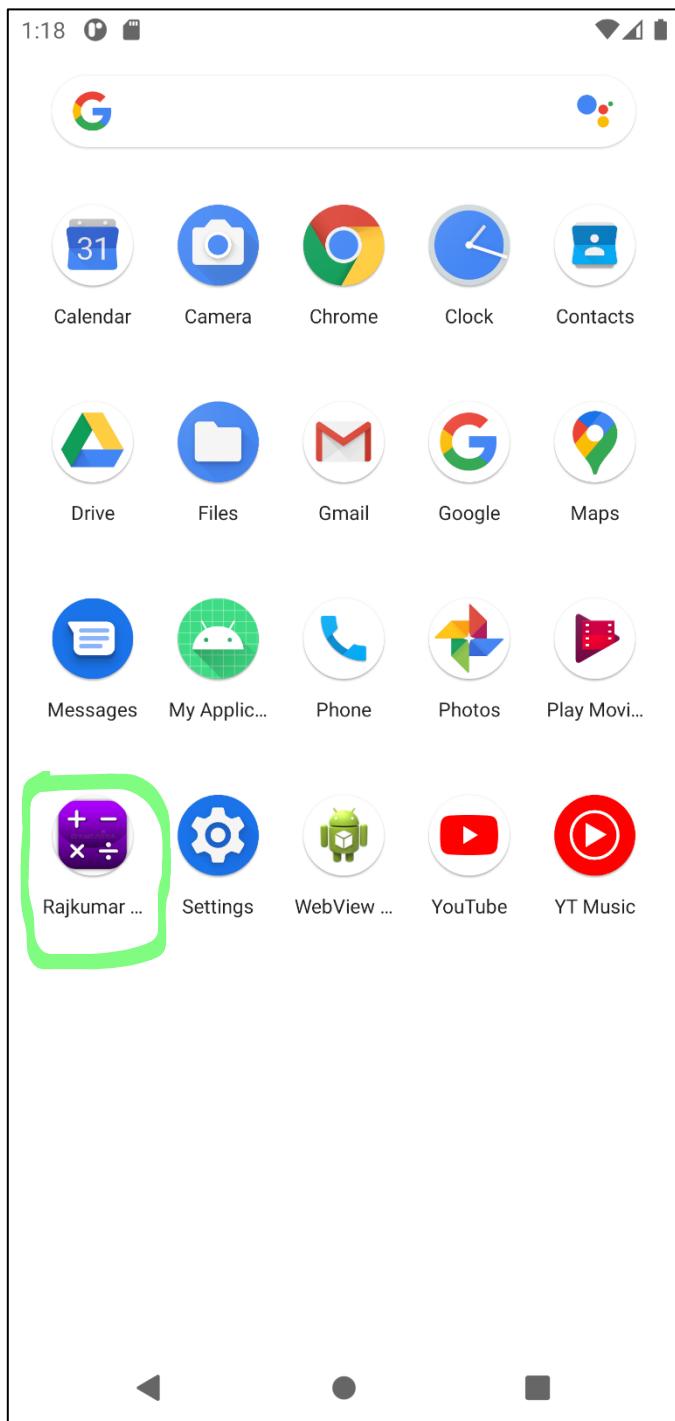
Name : Rajkumar B L

Reg.No : 2047120

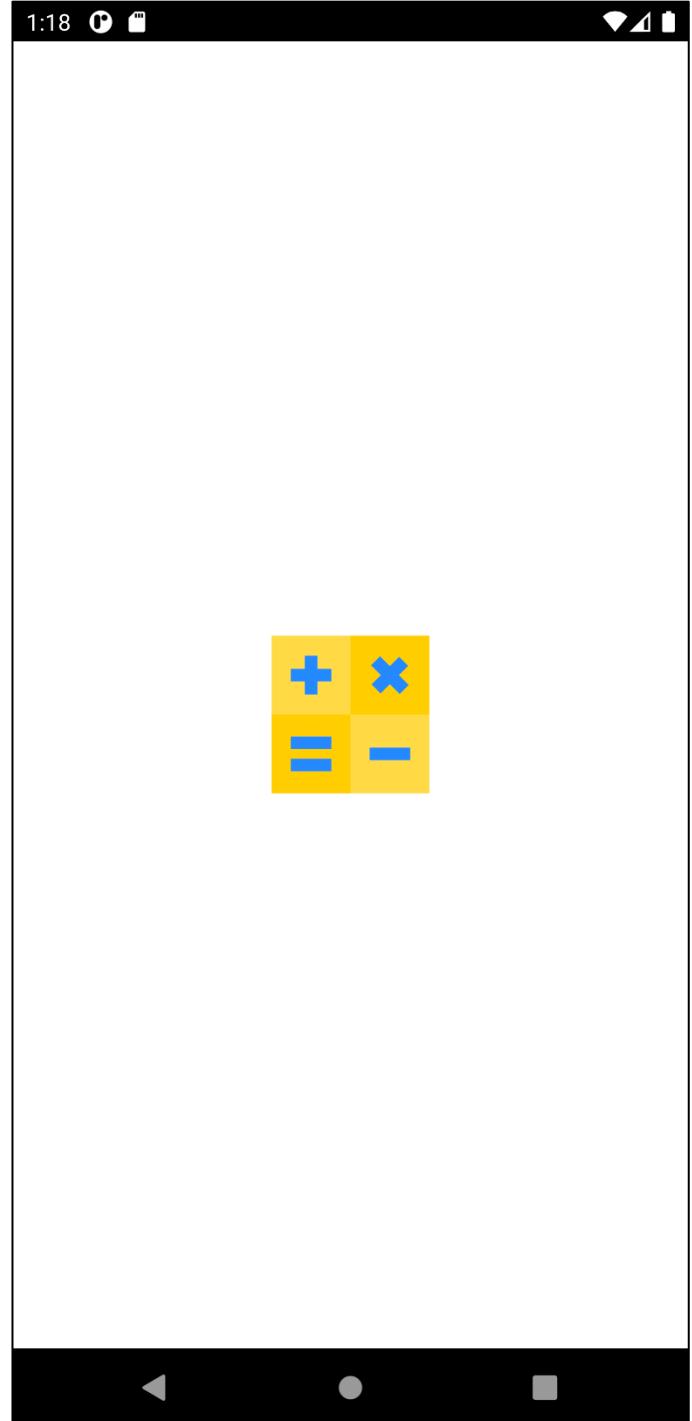
Course : MCS 272 Mobile Application (Lab 02 - Calculator)

Output:

1. App Icon

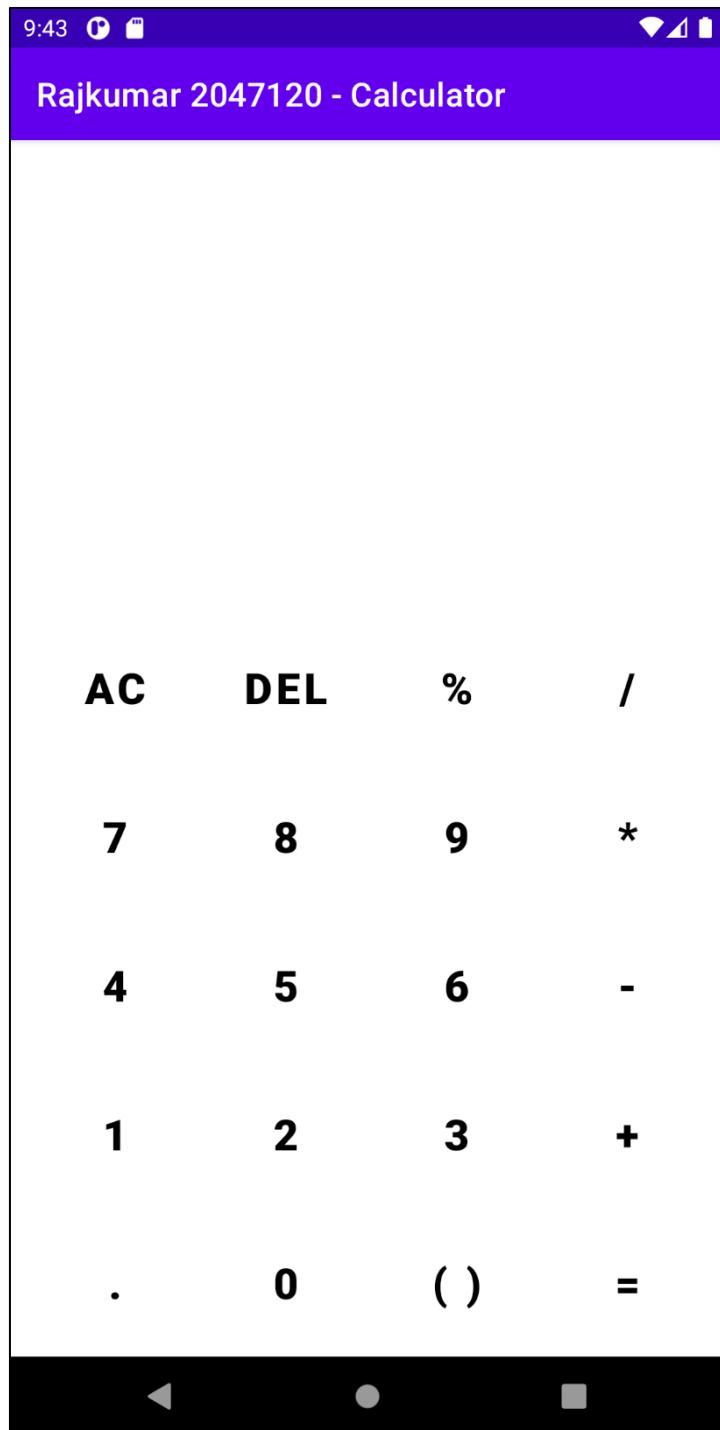


2. Splash Screen.

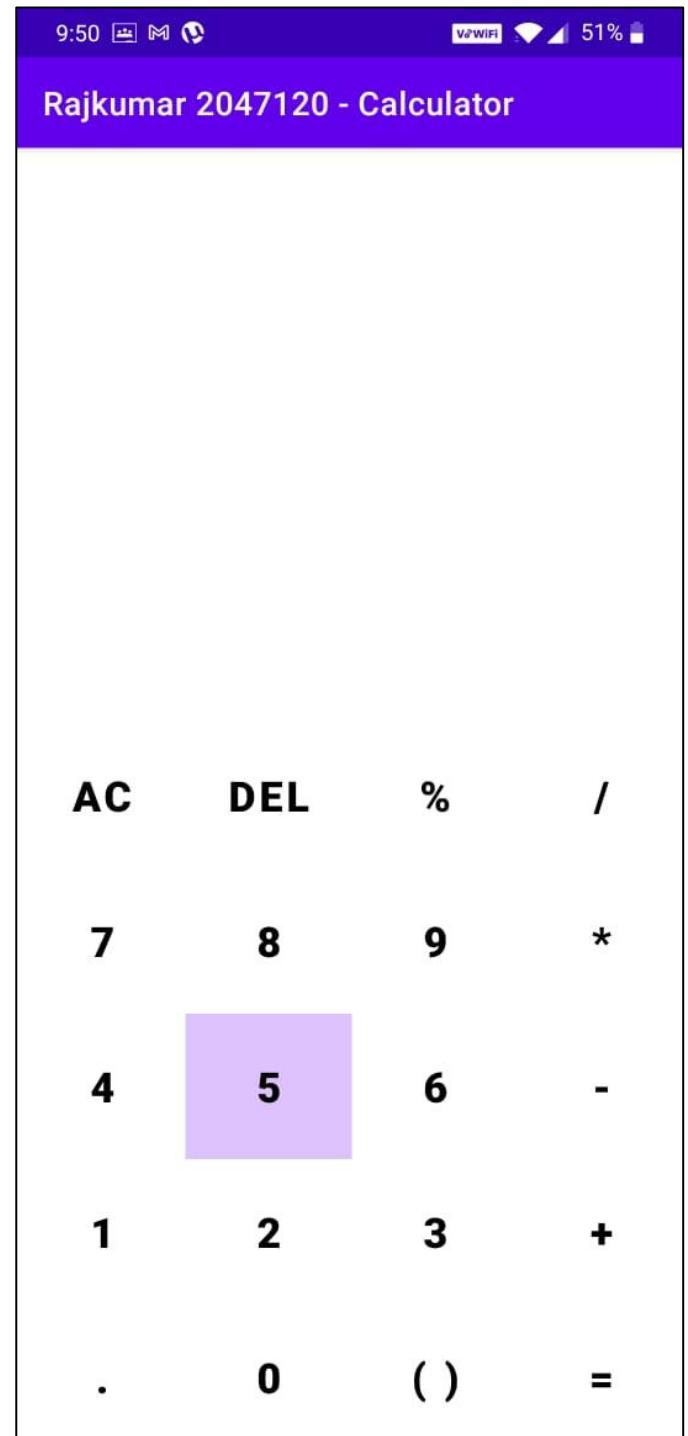


Note: Ripple effect is added to the buttons i.e., clicking on the button will change the background color of the button for few milliseconds to enhance the UI/UX. Clicking on the **DEL** button deletes one character to the left of the input and clicking on **AC** button empties the entire screen deleting any result or the expression.

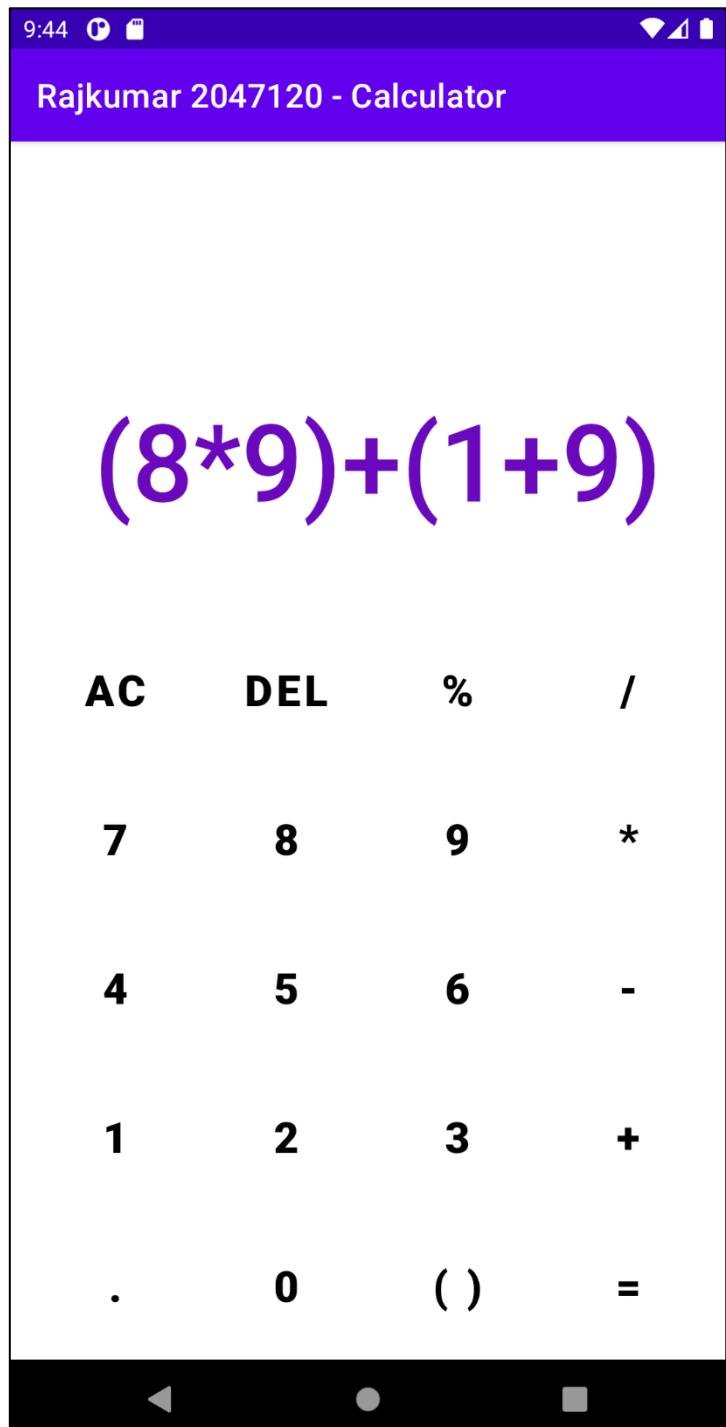
3. Welcome Screen.



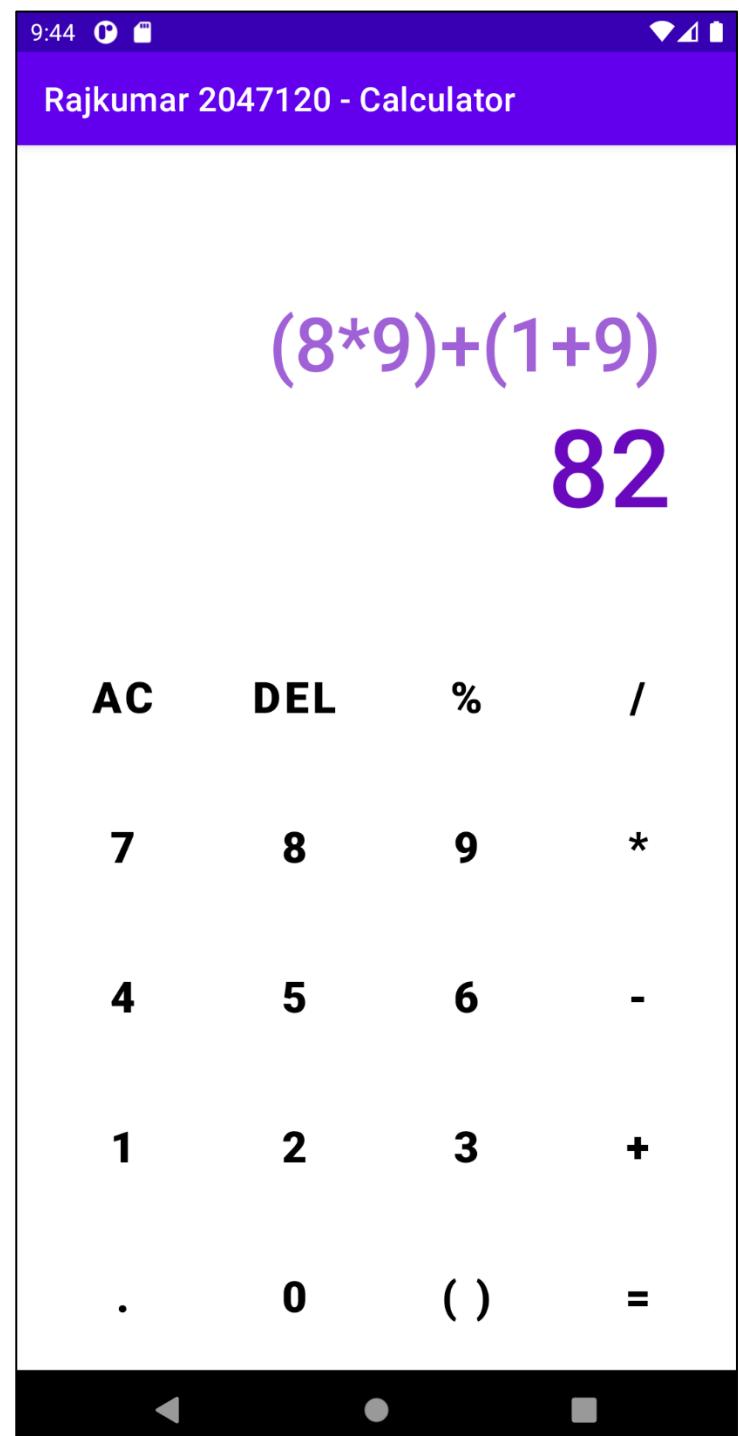
4. Button Ripple Effect.



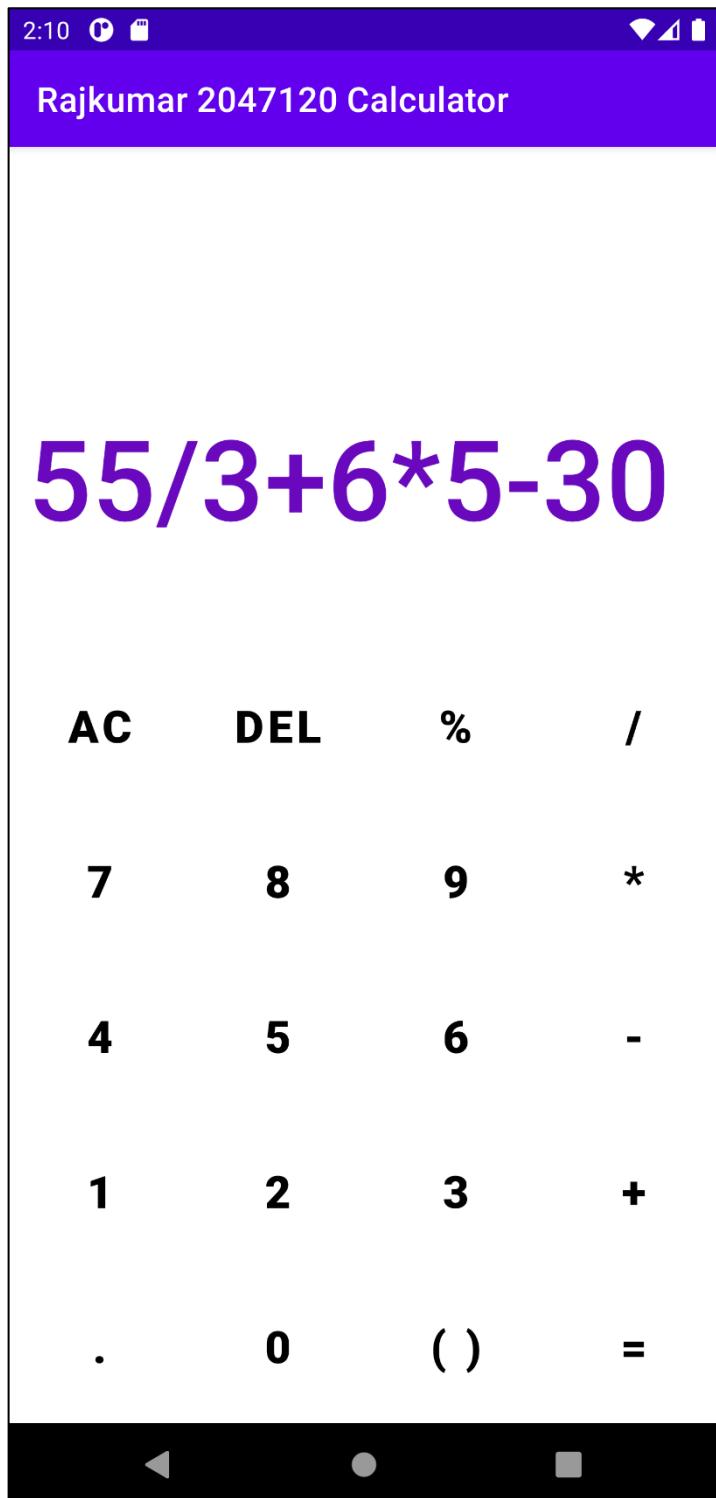
5. Expression Input - 01.



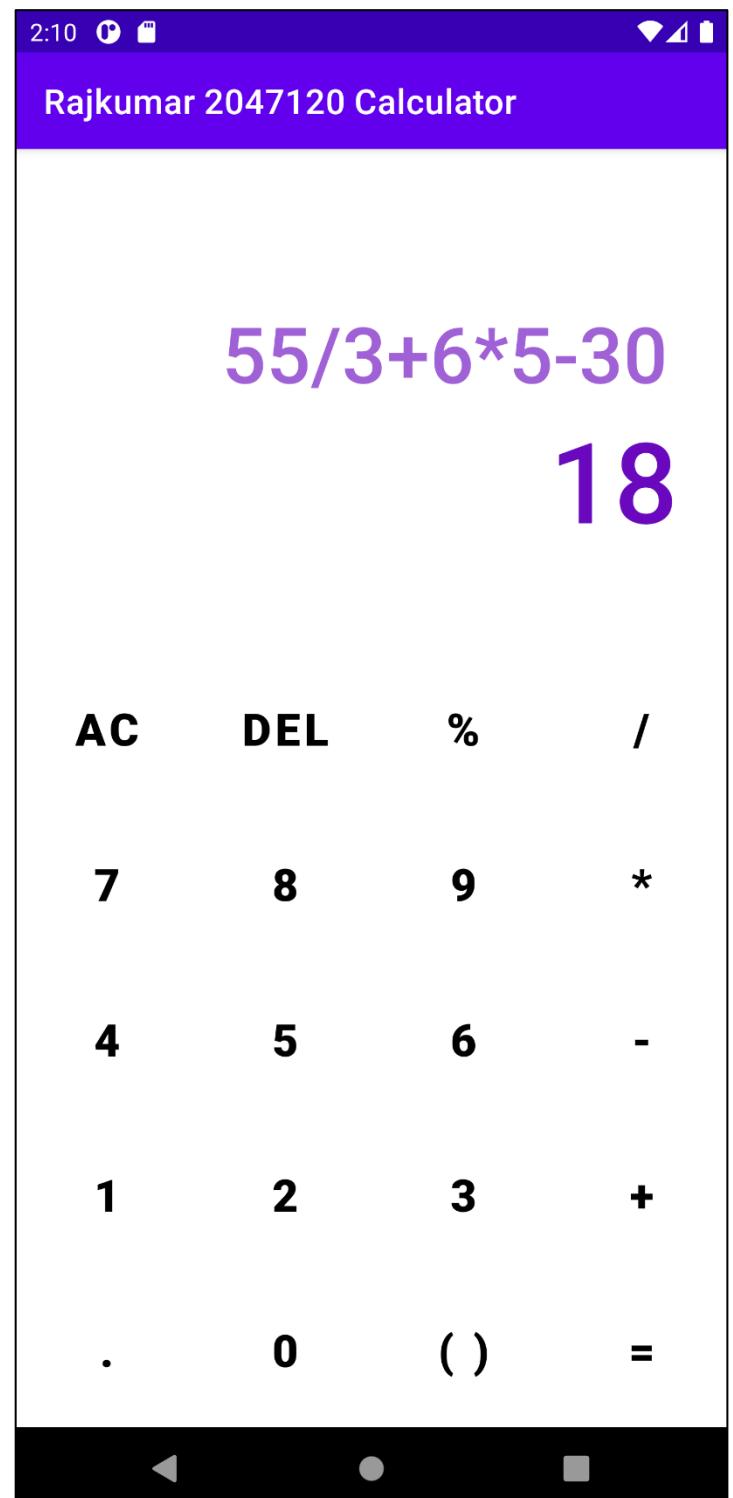
6. Result 01.



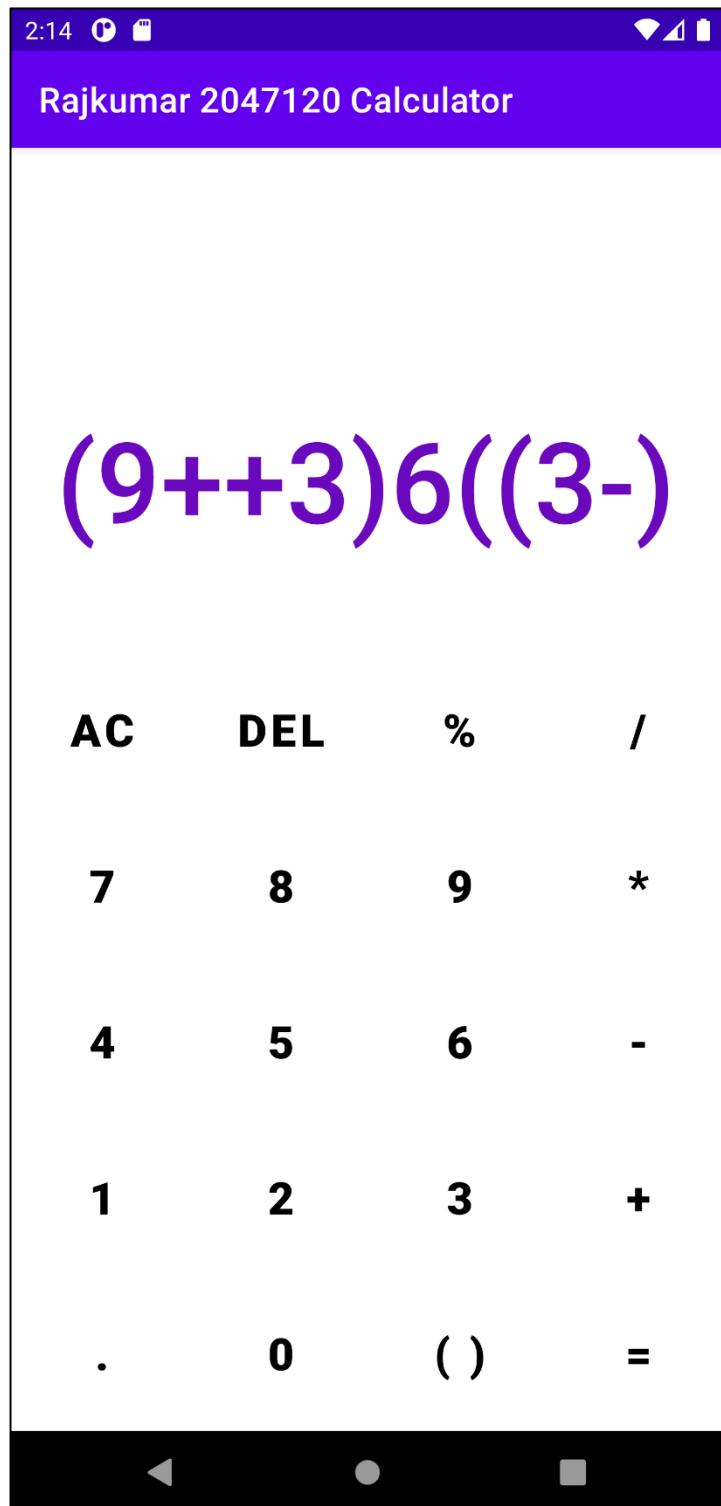
7. Expression Input - 03.



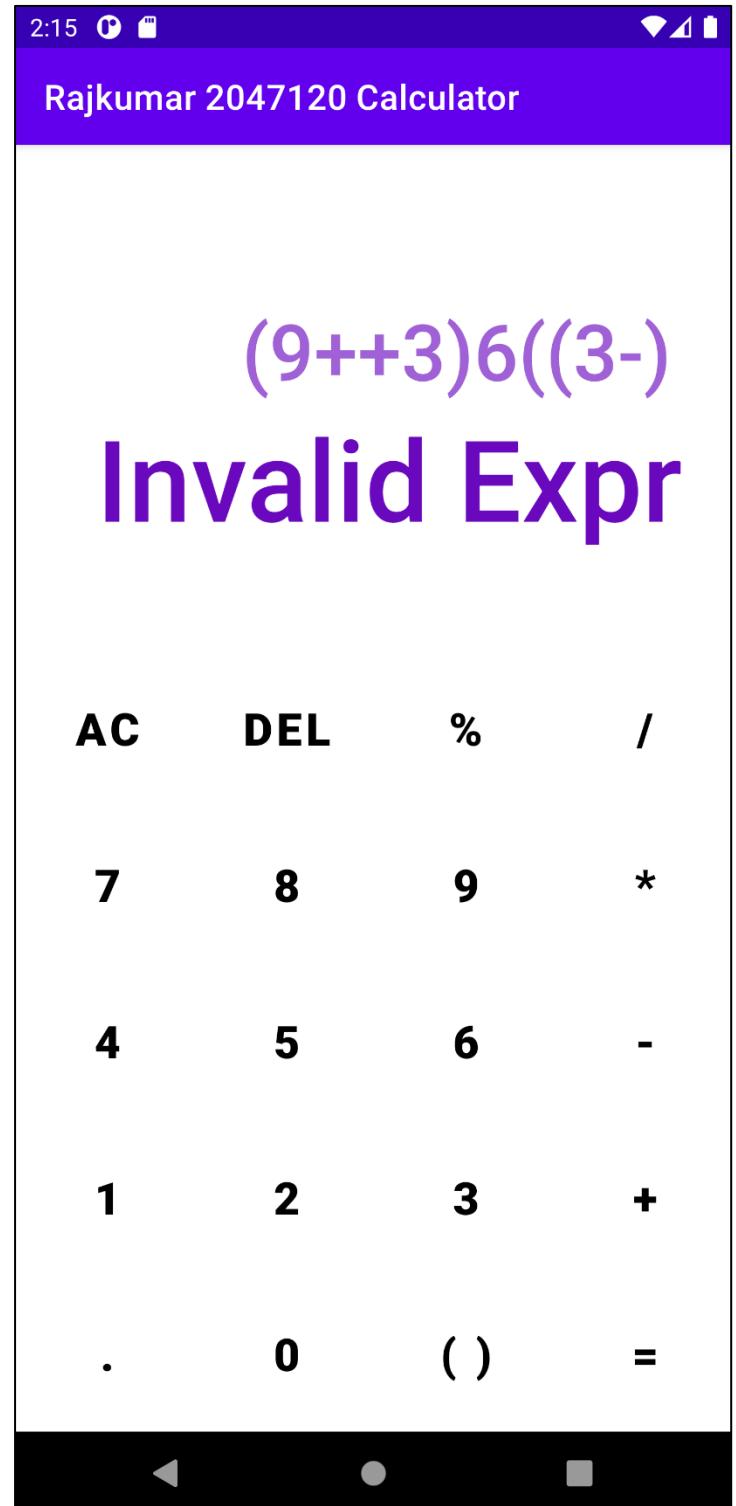
8. Result 03.



9. Expression Input - 03.



10. Result 03.



The code used in the Main Activity, XML layout, Splash scree, button ripple effect is attached below for reference.



Lab 03 : Intents

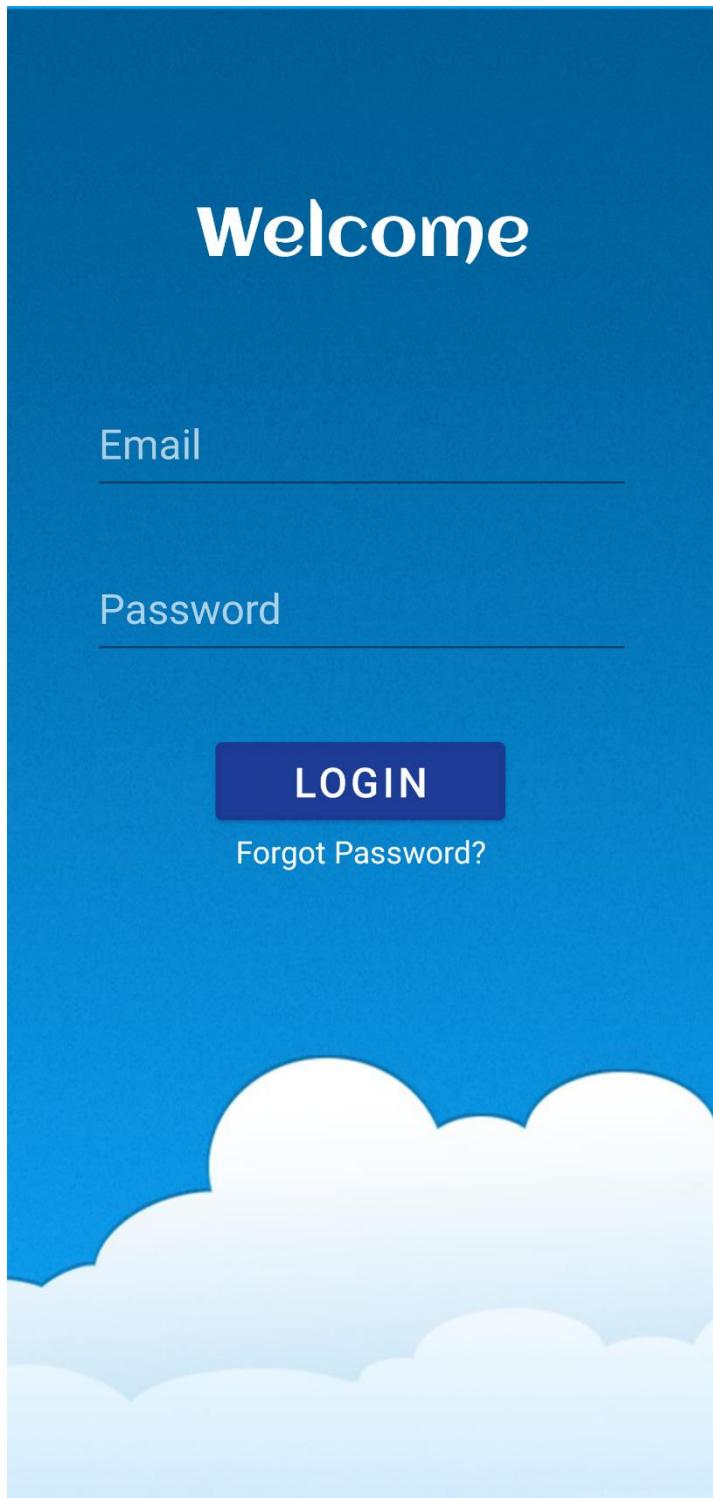
Name : Rajkumar B L

Reg.No : 2047120

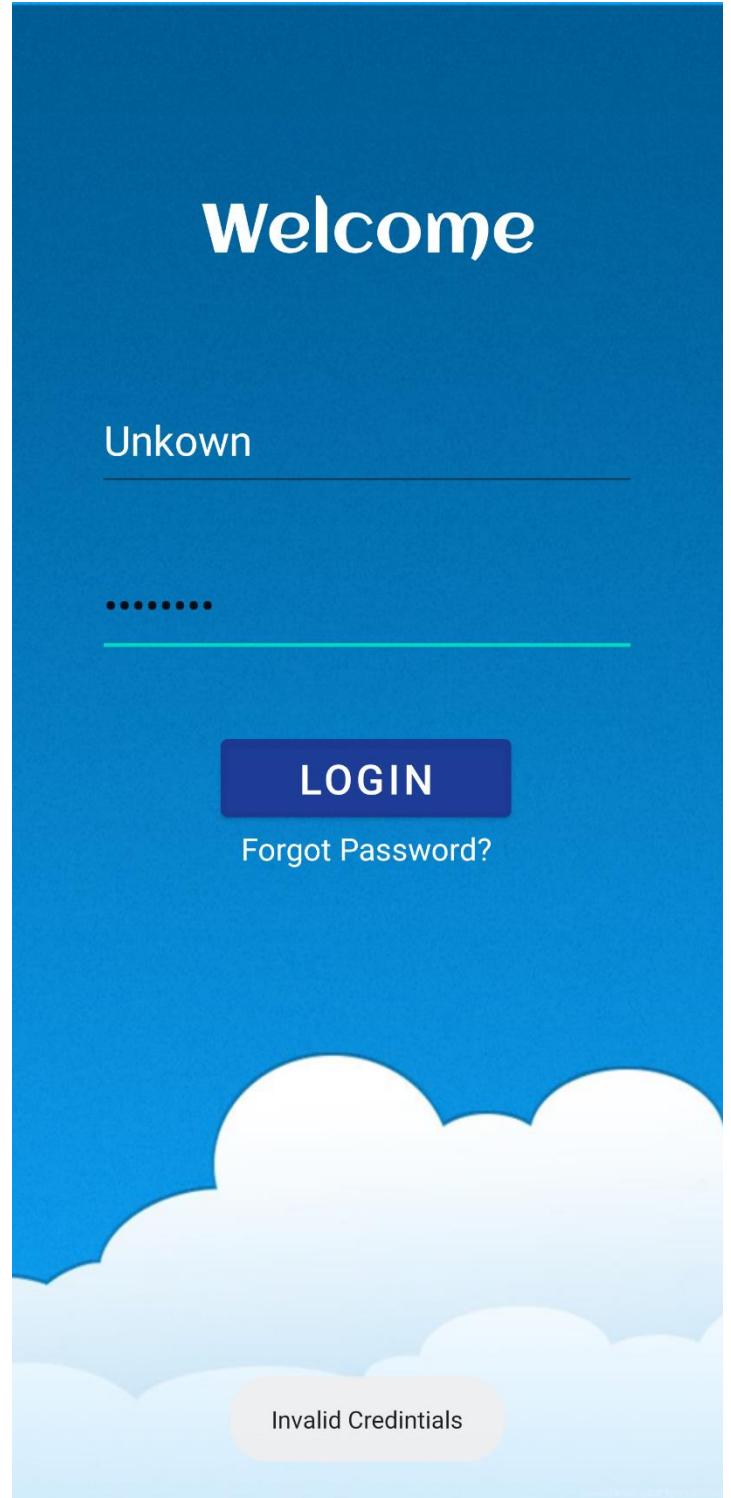
Course : MCS 272 Mobile Application (Program 03)

Output:

1. Welcome Screen

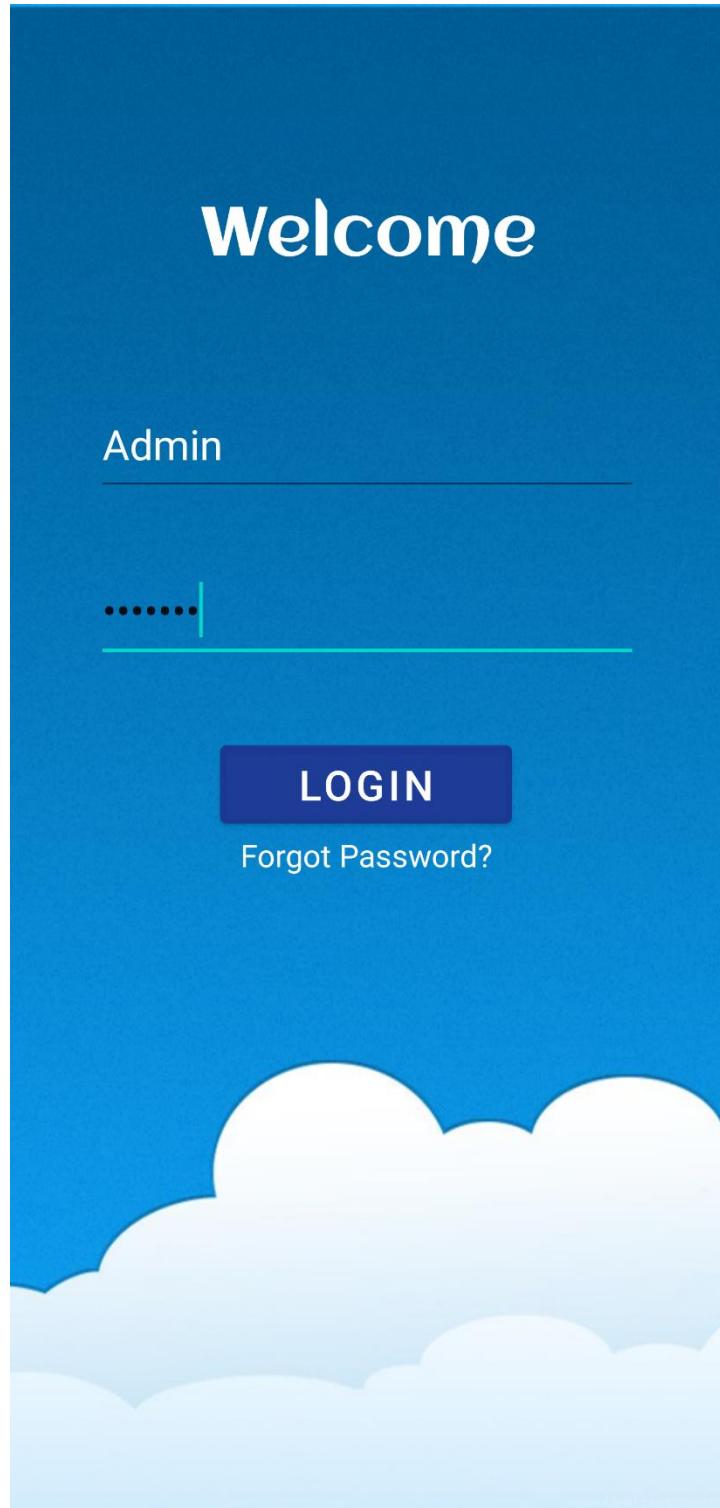


2. Invalid Login Credintials.

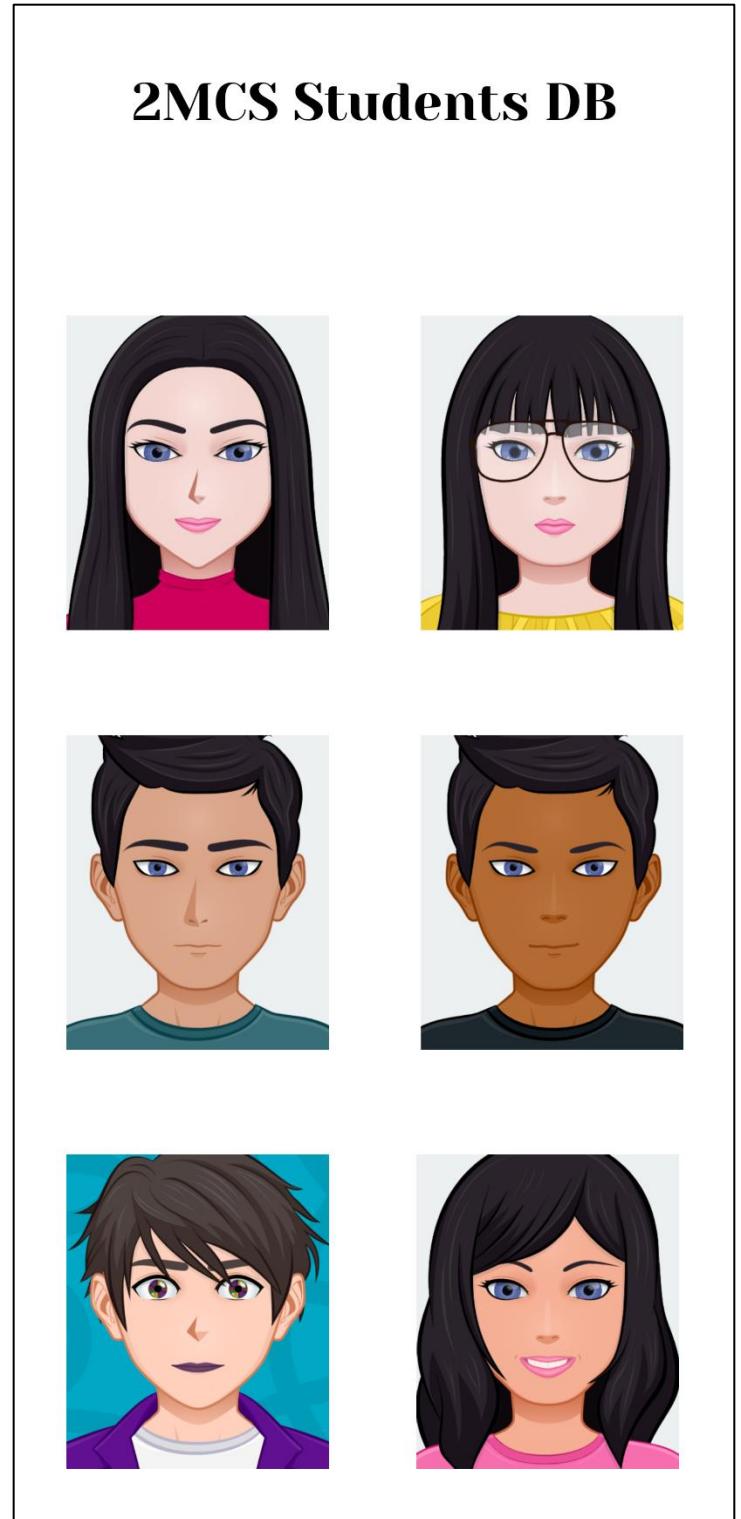


Note : Activity 2 welcome screen displays avatar of some students from 2 mcs. Clicking on a specific avatar switches to activity 3 displaying respective avatars details.

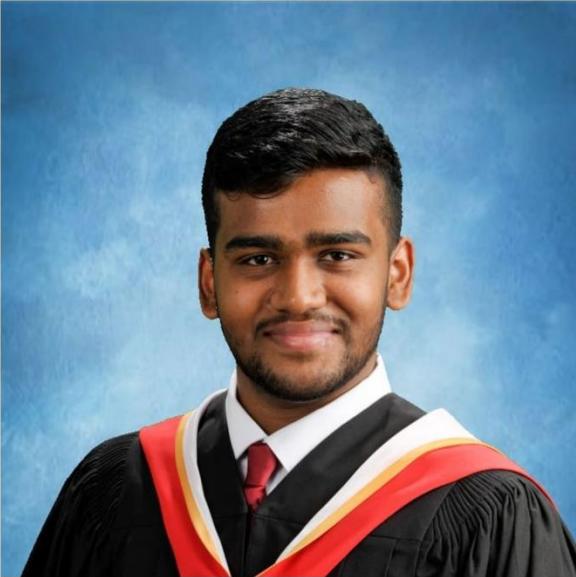
3. Correct Login Credentials.



4. Activity 2 welcome screen.



5. Raj avatar takes to respective details in activity 3.

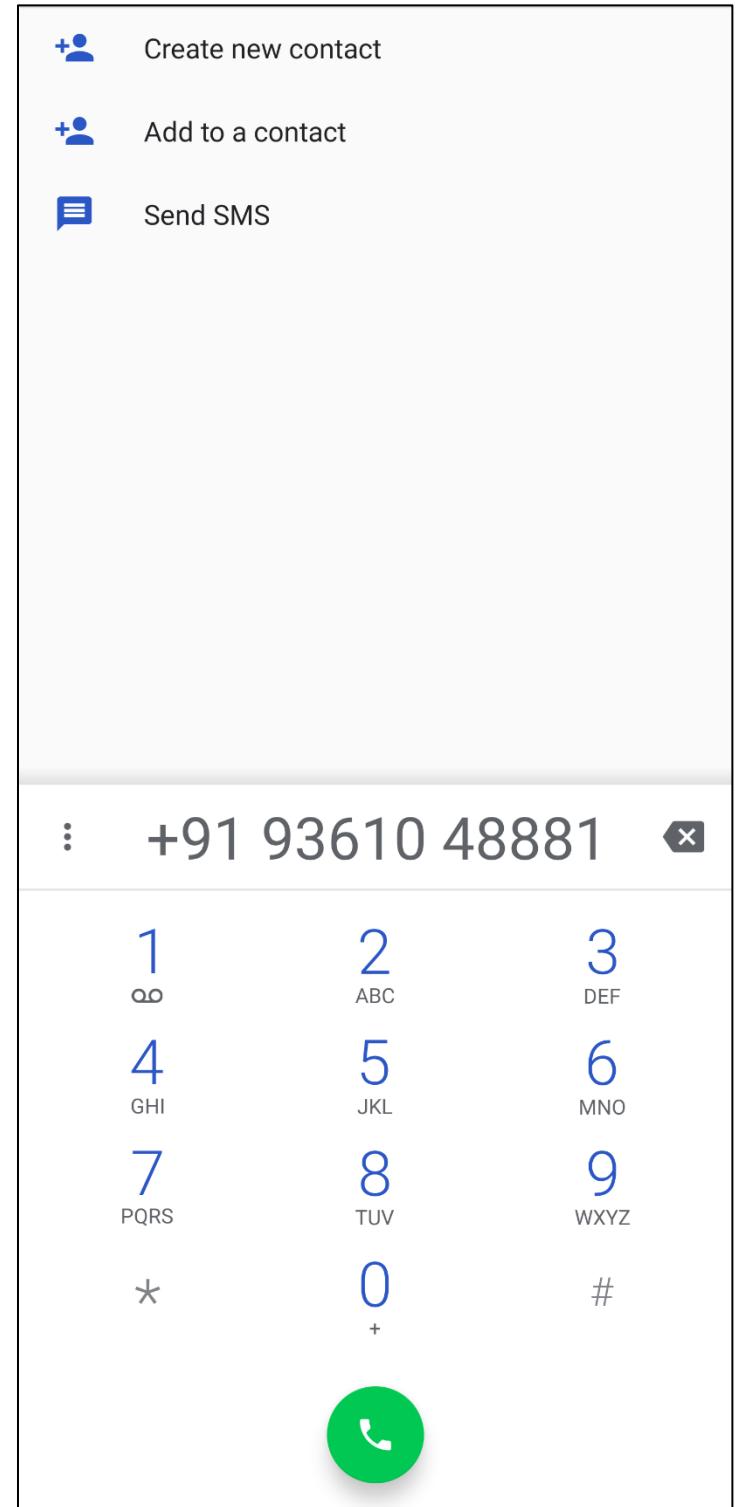


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6. Clicking on Raj phone icon – takes to dial pad.

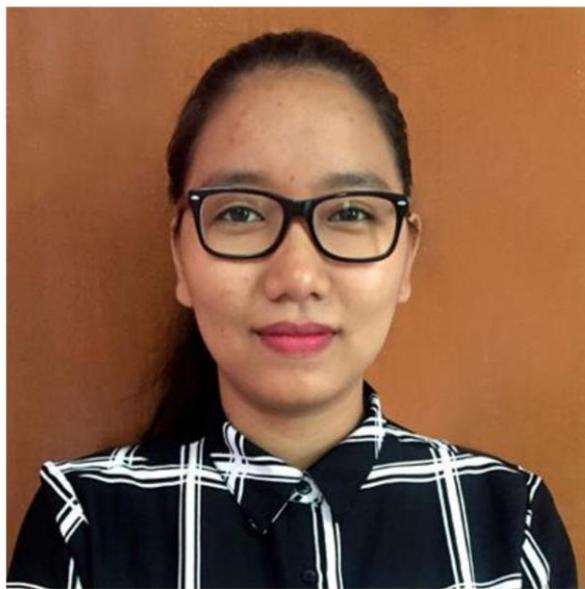


 Create new contact
 Add to a contact
 Send SMS

+91 93610 48881 

1	2	3
B	ABC	DEF
4	5	6
GHI	JKL	MNO
7	8	9
PQRS	TUV	WXYZ
*	0	#
		

7. Chui details.



Name : Gaichuiliu
Reg.No : 2047133
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8. Chui phone number.

Create new contact

Add to a contact

Send SMS

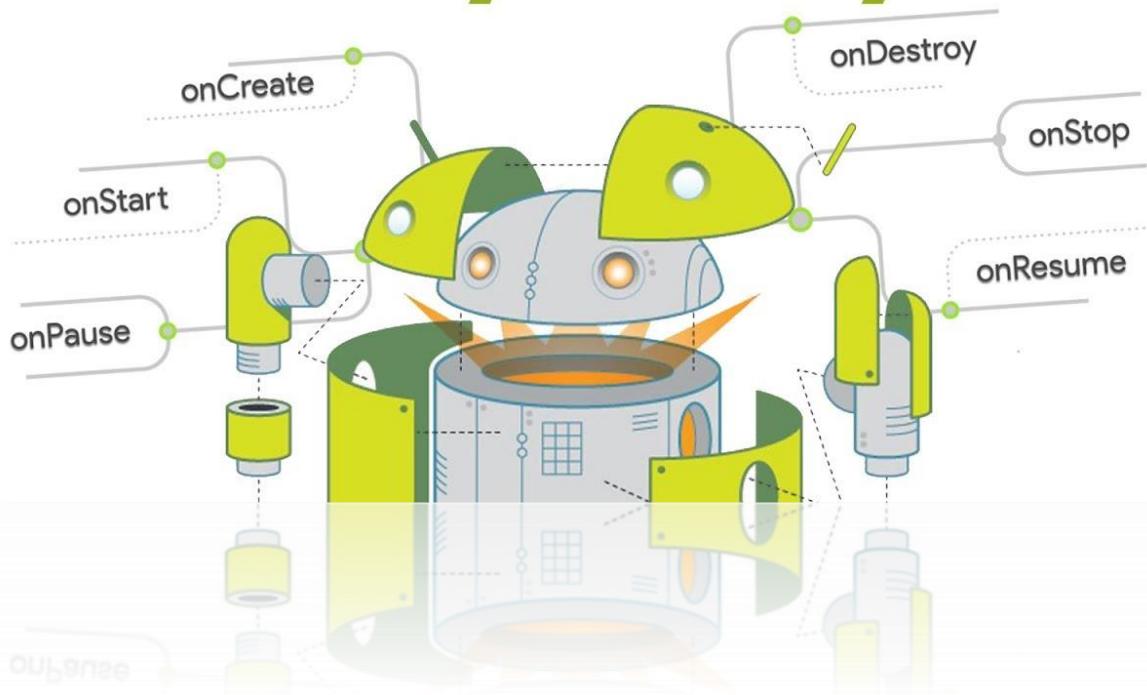
⋮ +91 95973 24912 ⌂

1	2	3
0	ABC	DEF
4	5	6
GHI	JKL	MNO
7	8	9
PQRS	TUV	WXYZ
*	0	#
	+	



The code used in the Main Activity, XML layout, Splash scree, button ripple effect is attached below for reference.

Activity Lifecycle



Lab 04 : Android Activity Life Cycle

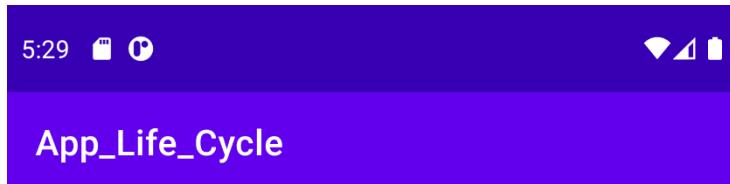
Name : Rajkumar B L

Reg.No : 2047120

Course : MCS 272 Mobile Application (App-Cycle)

Output:

1. Welcome_App Created



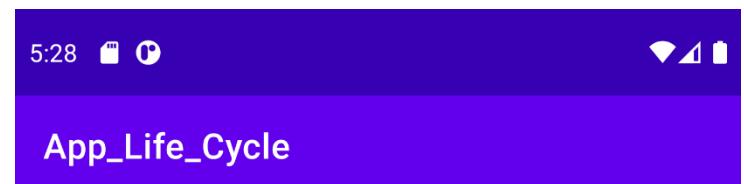
Fortune Cookie

Welcome

START

Welcome_Activity Created

2. Welcome_App Started



Fortune Cookie

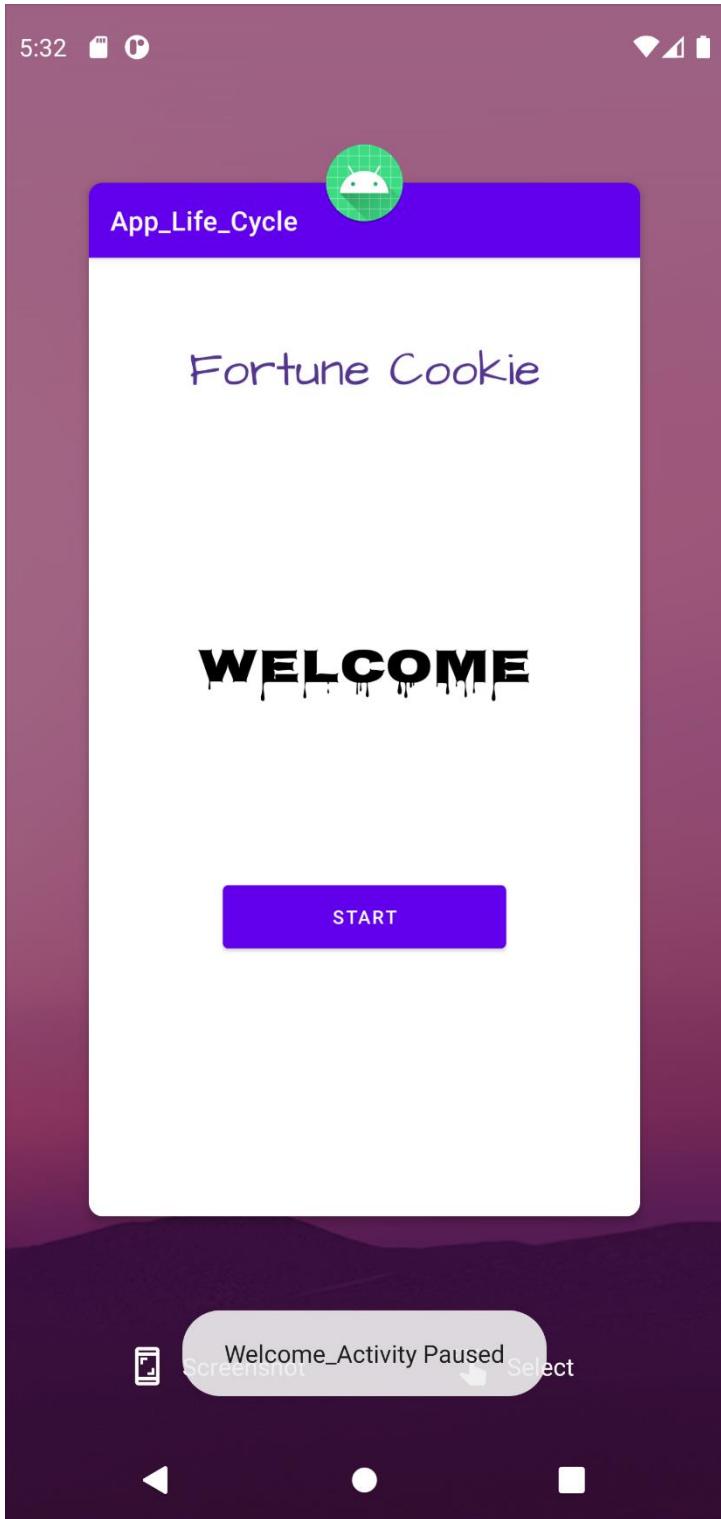
WELCOME

START

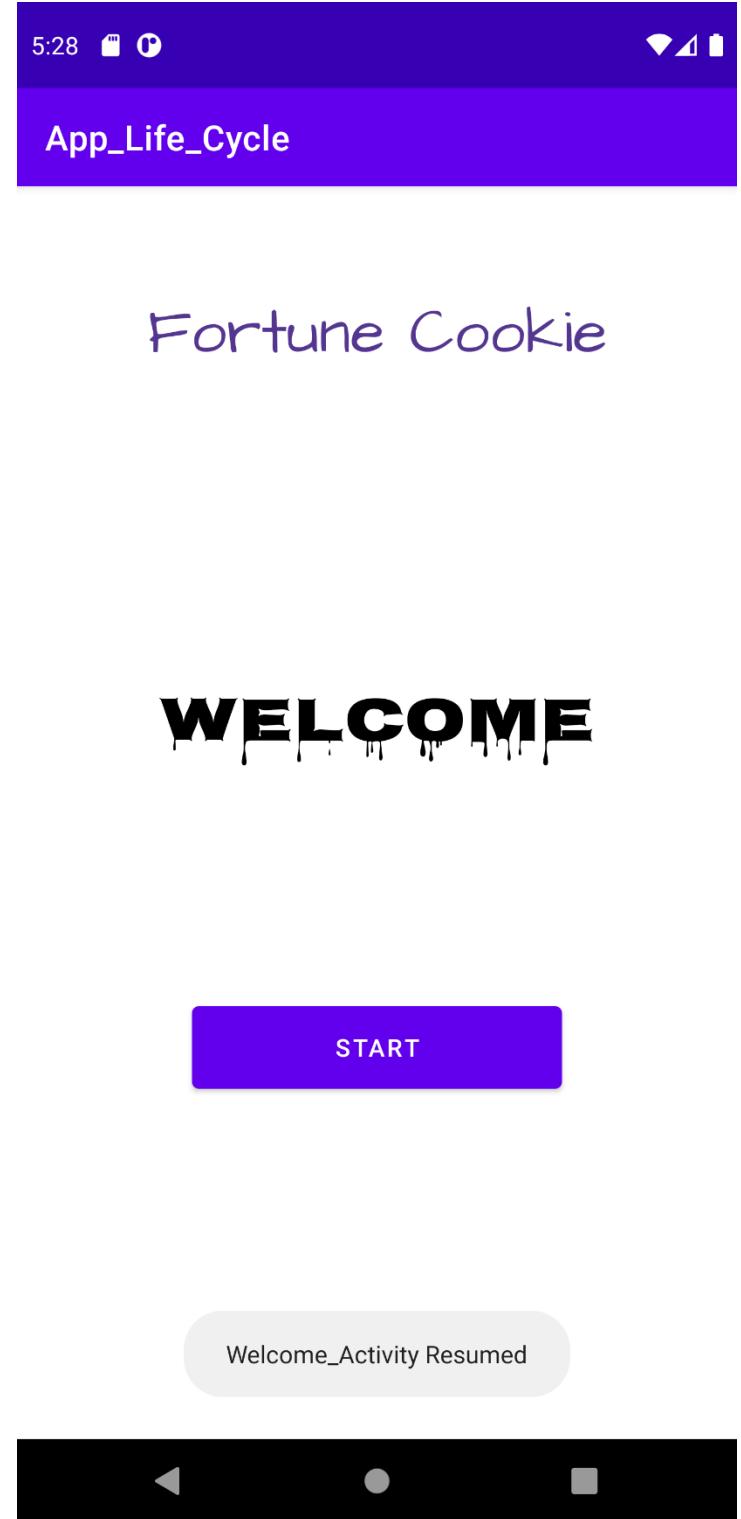
Welcome_Activity Started

Note : Activity 2 welcome screen displays avatar of some students from 2 mcs. Clicking on a specific avatar switches to activity 3 displaying respective avatars details.

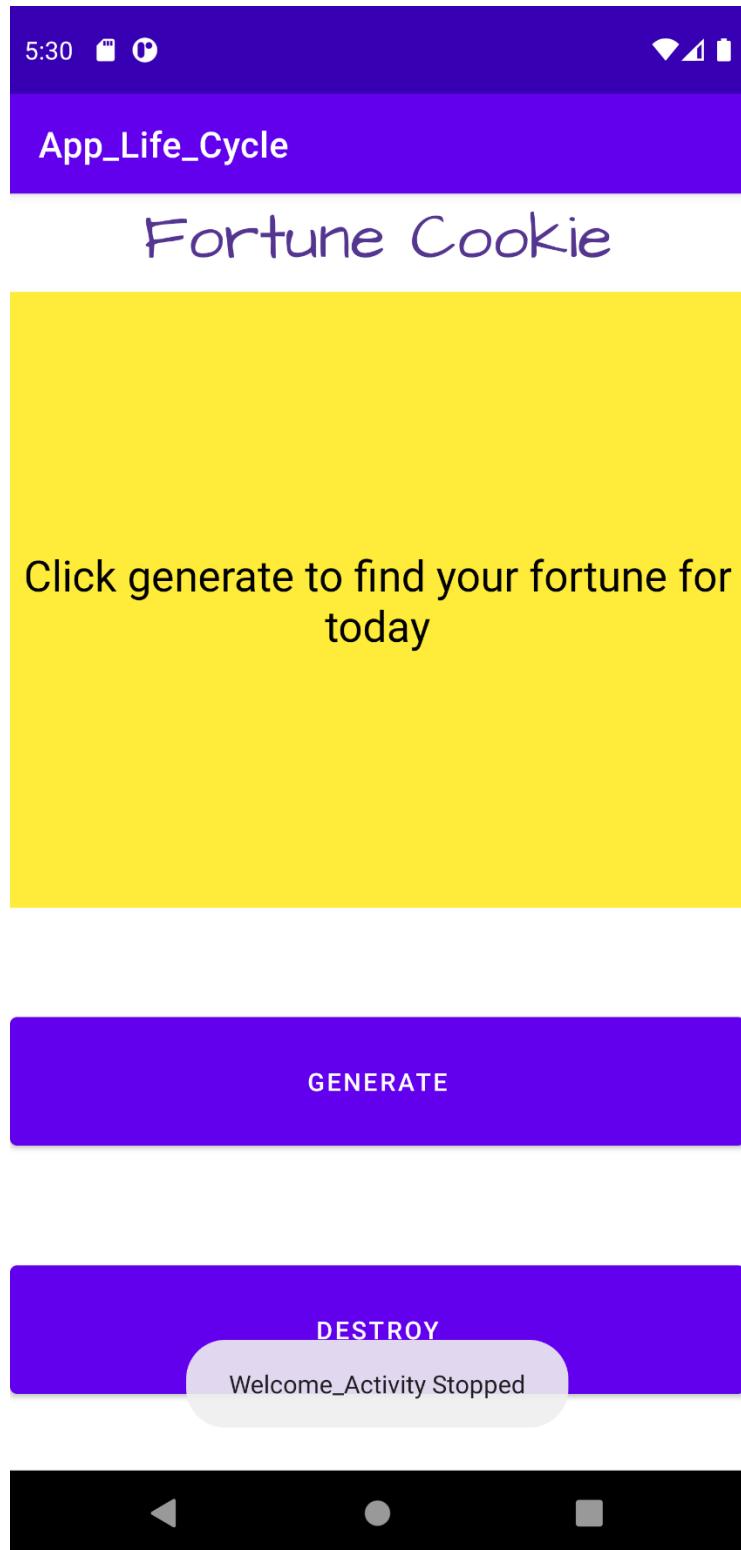
3.Welcome_App Paused



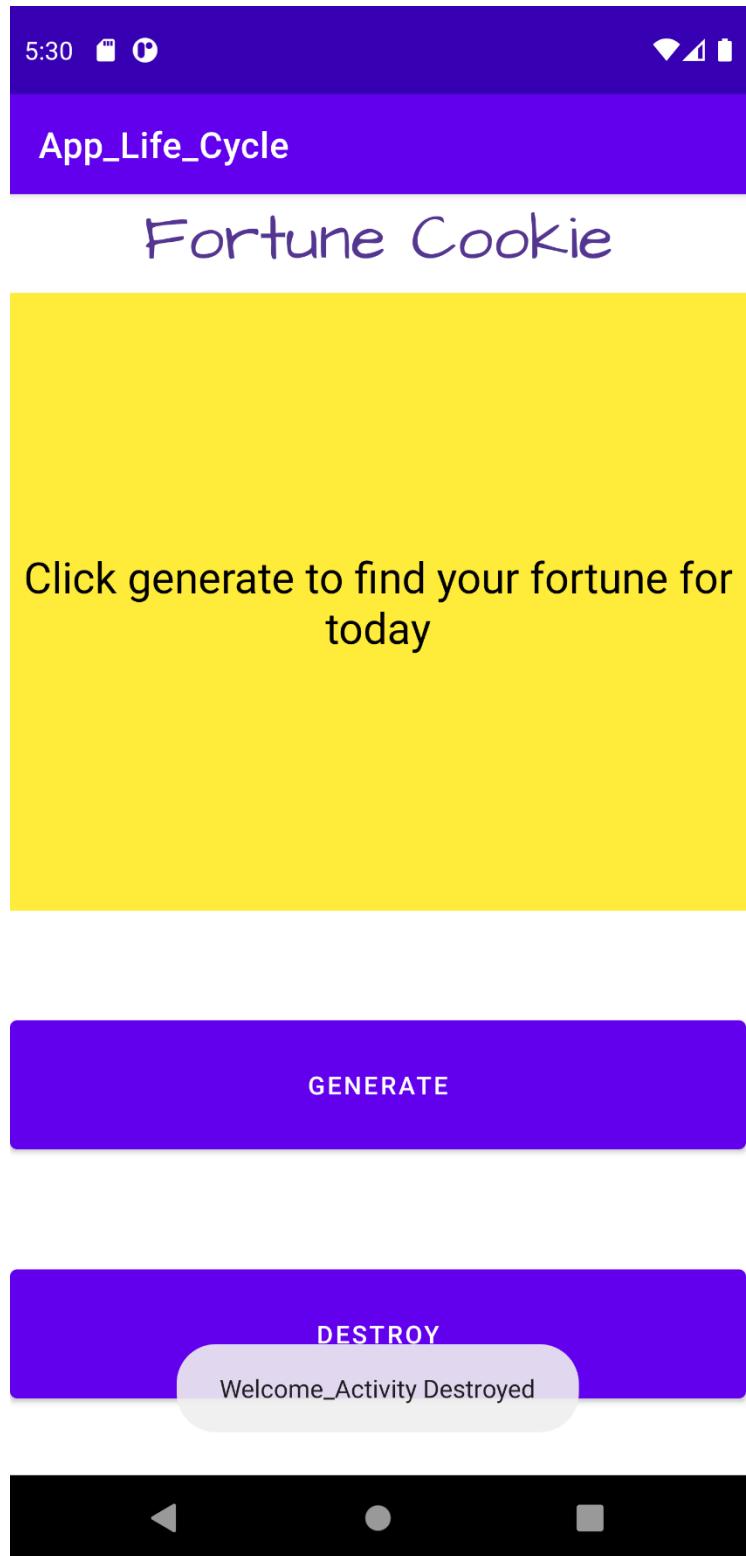
4. Welcome_App Started



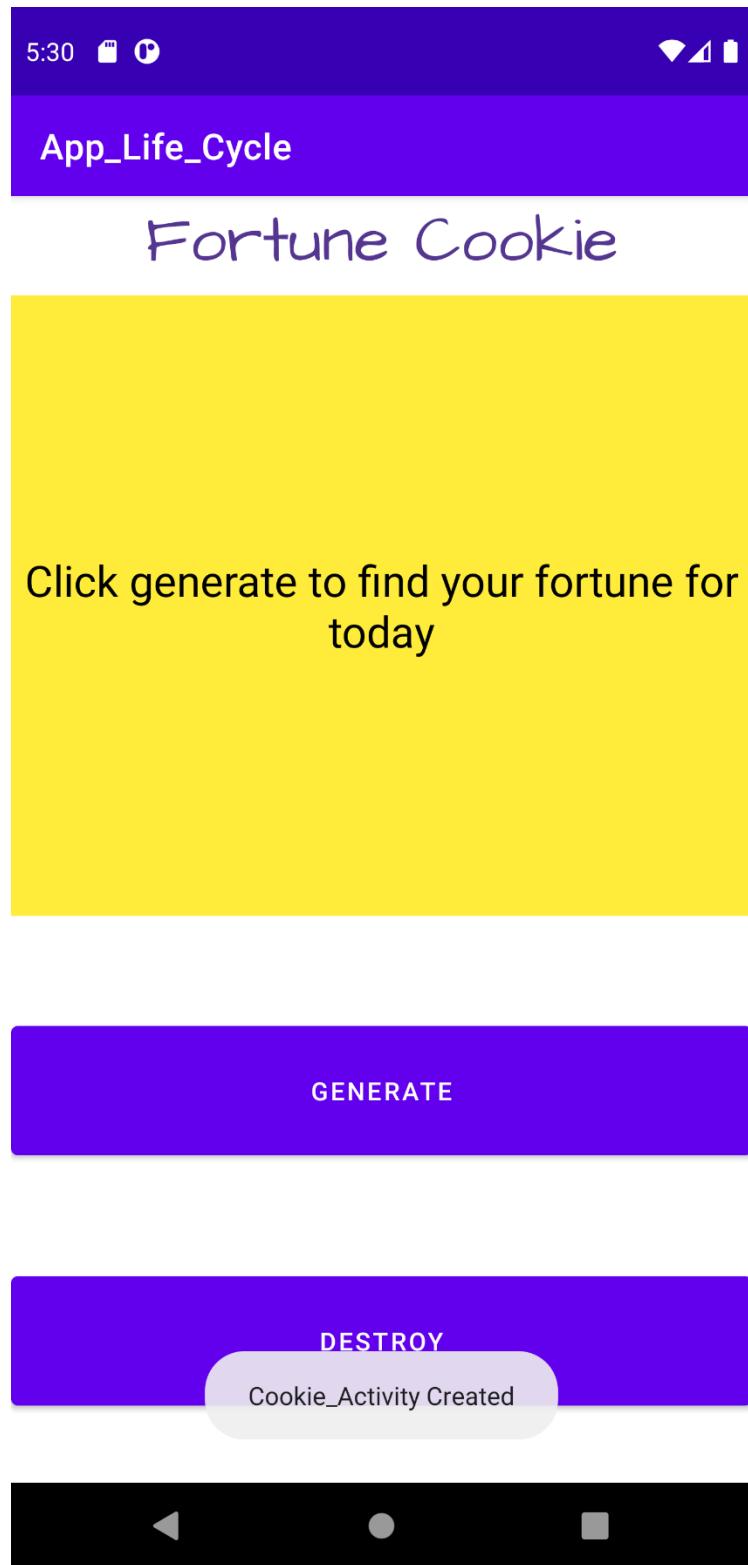
5.Welcome_App Stopped



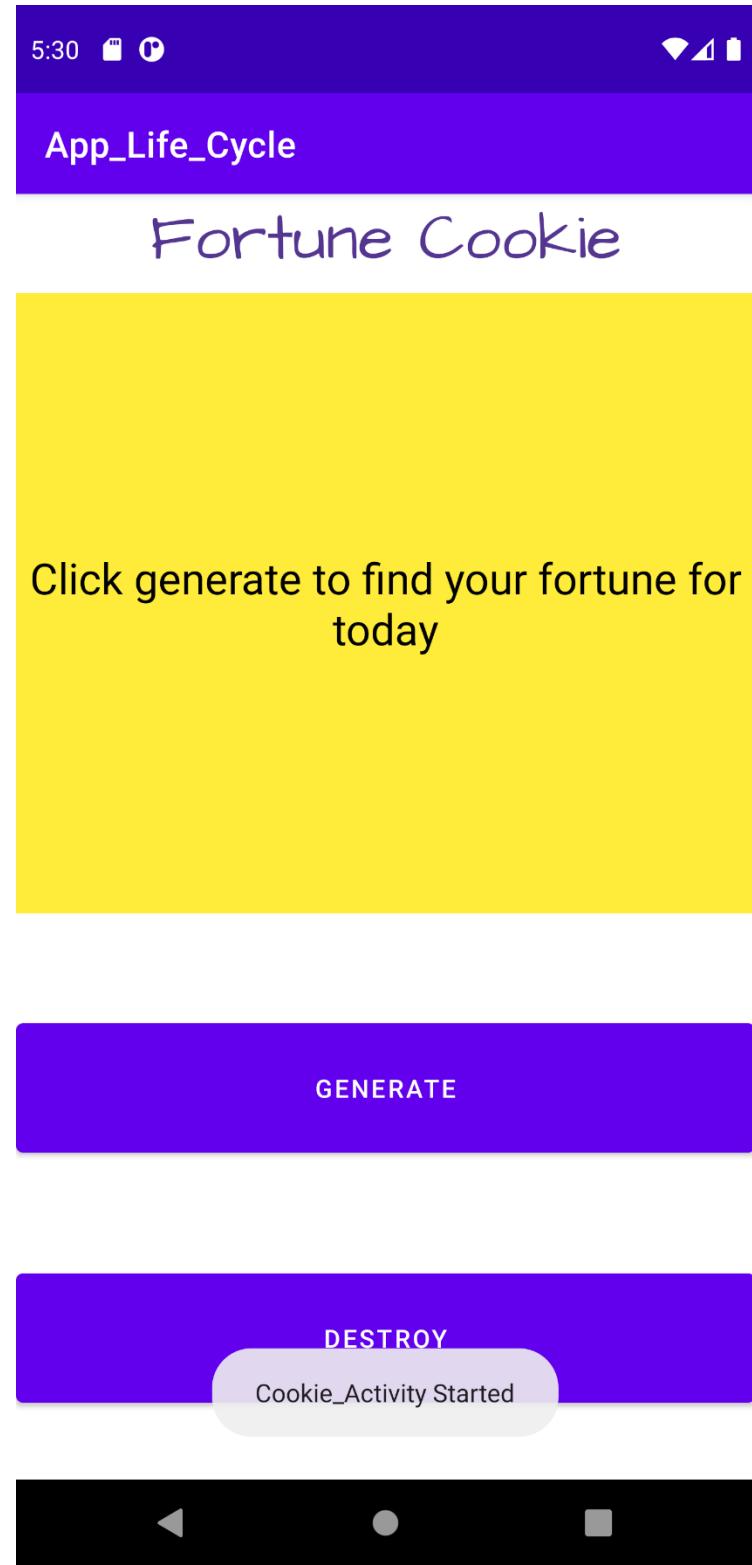
6. Welcome_App Destroyed



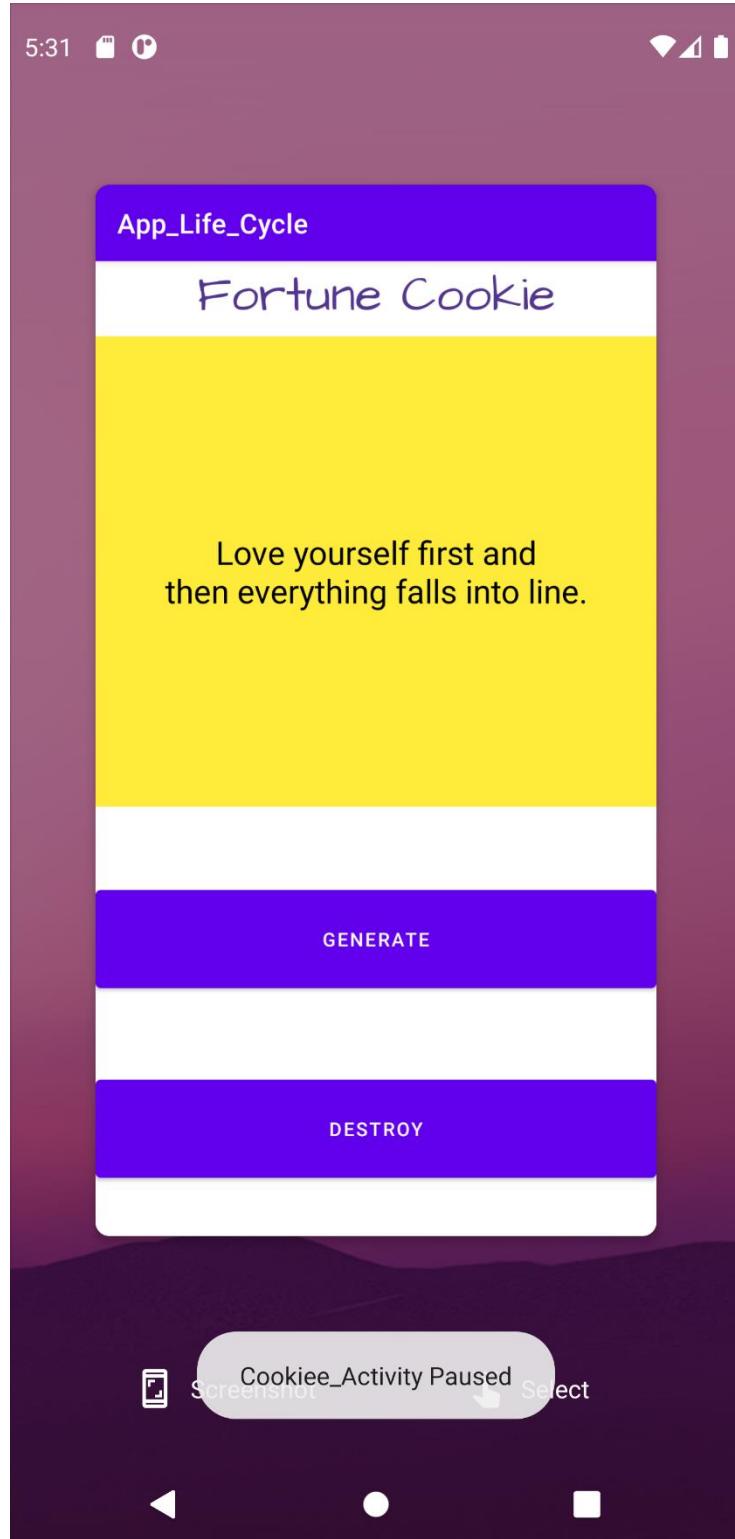
7.Cookie_App Created



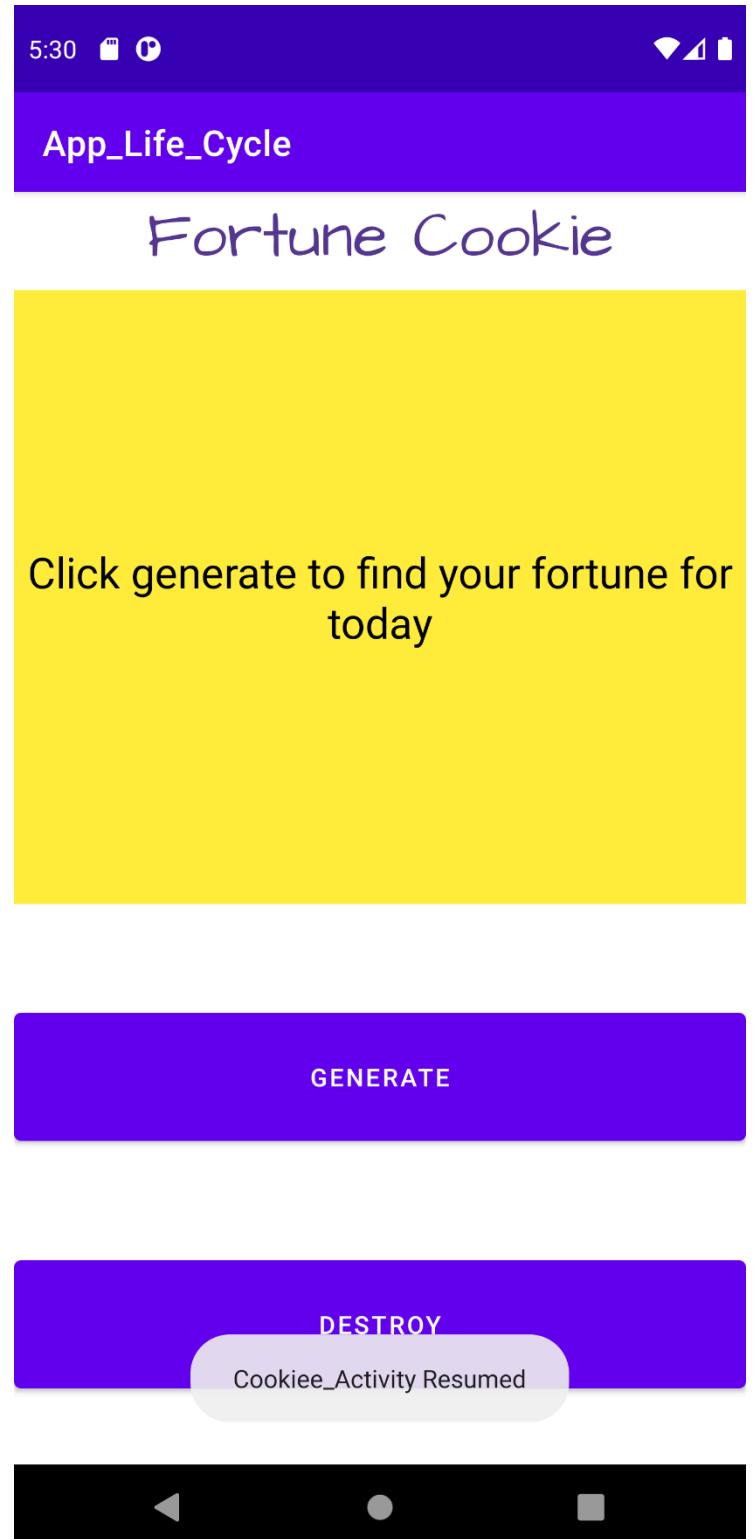
8. Cookie_App Started



9. Cookie_App Paused



10. Cookie_App Resumed



Log-Cat

Logcat

Emulator Pixel_4_XL_Af ▾ com.example.app_life_cyc ▾ Verbose ▾ Regex Show only selected applic ▾

```
logcat
2021-02-08 18:01:54.169 17276-17297/com.example.app_life_cycle D/govirtion-address-space: allocate: ioctl-allocate
2021-02-08 18:01:54.182 17276-17297/com.example.app_life_cycle D/HostConnection: HostComposition ext ANDROID_EMU_CH
2021-02-08 18:01:54.576 17276-17297/com.example.app_life_cycle I/OpenGLRenderer: Davey! duration=711ms; Flags=1, Ir
2021-02-08 18:01:54.715 17276-17276/com.example.app_life_cycle I/Choreographer: Skipped 44 frames! The application
2021-02-08 18:01:54.756 17276-17297/com.example.app_life_cycle I/OpenGLRenderer: Davey! duration=785ms; Flags=0, Ir
2021-02-08 18:02:18.634 17276-17276/com.example.app_life_cycle D/Activity_Lifecycle: Welcome_onPause_Invoked
2021-02-08 18:02:18.913 17276-17276/com.example.app_life_cycle D/Activity_Lifecycle: Cookie_onCreate_Invoked
2021-02-08 18:02:18.929 17276-17276/com.example.app_life_cycle D/Activity_Lifecycle: Cookiee.onStart_Invoked
2021-02-08 18:02:18.946 17276-17276/com.example.app_life_cycle D/Activity_Lifecycle: Cookie.onResume_Invoked
2021-02-08 18:02:19.674 17276-17276/com.example.app_life_cycle D/Activity_Lifecycle: Welcome_onStop_Invoked
2021-02-08 18:02:19.714 17276-17276/com.example.app_life_cycle D/Activity_Lifecycle: Welcome.onDestroy_Invoked
>>>
```

Success: Operation succeeded (2 minutes ago)

Logcat

Emulator Pixel_4_XL_Af ▾ com.example.app_life_cyc ▾ Verbose ▾ Regex Show only selected applic ▾

```
logcat
2021-02-08 18:04:47.802 17276-17276/com.example.app_life_cycle D/ACTIVITY_LIFECYCLE: COOKIE_onRestart_Invoked
2021-02-08 18:04:47.953 17276-17276/com.example.app_life_cycle D/Activity_Lifecycle: Cookie.onStart_Invoked
2021-02-08 18:04:48.001 17276-17276/com.example.app_life_cycle D/Activity_Lifecycle: Cookie.onResume_Invoked
2021-02-08 18:04:48.578 17276-17297/com.example.app_life_cycle I/OpenGLRenderer: Davey! duration=755ms; Flags=1, Ir
2021-02-08 18:04:56.627 17276-17276/com.example.app_life_cycle D/Activity_Lifecycle: Cookie.onPause_Invoked
2021-02-08 18:04:58.134 17276-17276/com.example.app_life_cycle D/Activity_Lifecycle: Cookie.onStop_Invoked
2021-02-08 18:04:59.590 17276-17276/com.example.app_life_cycle D/Activity_Lifecycle: Cookie.onRestart_Invoked
2021-02-08 18:04:59.786 17276-17276/com.example.app_life_cycle D/Activity_Lifecycle: Cookie.onStart_Invoked
2021-02-08 18:04:59.942 17276-17276/com.example.app_life_cycle D/Activity_Lifecycle: Cookie.onResume_Invoked
2021-02-08 18:05:00.149 17276-17276/com.example.app_life_cycle I/Choreographer: Skipped 33 frames! The application
2021-02-08 18:05:00.366 17276-17297/com.example.app_life_cycle I/OpenGLRenderer: Davey! duration=774ms; Flags=1, Ir
>>>
```

Success: Operation succeeded (3 minutes ago)

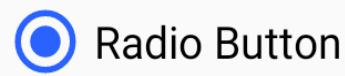
Logcat

Emulator Pixel_4_XL_Af ▾ com.example.app_life_cyc ▾ Verbose ▾ Regex Show only selected applic ▾

```
logcat
2021-02-08 18:08:28.150 17578-17578/com.example.app_life_cycle D/ACTIVITY_LIFECYCLE: COOKIE_onPause_Invoked
2021-02-08 18:08:29.073 17578-17578/com.example.app_life_cycle I/Choreographer: Skipped 36 frames! The application
2021-02-08 18:08:29.800 17578-17578/com.example.app_life_cycle D/Activity_Lifecycle: Cookie.onStop_Invoked
2021-02-08 18:08:34.252 17578-17578/com.example.app_life_cycle D/Activity_Lifecycle: Cookie.onStart_Invoked
2021-02-08 18:08:34.353 17578-17578/com.example.app_life_cycle D/Activity_Lifecycle: Cookie.onResume_Invoked
2021-02-08 18:08:34.401 17578-17578/com.example.app_life_cycle D/Activity_Lifecycle: Cookie.onRestart_Invoked
2021-02-08 18:08:34.451 17578-17590/com.example.app_life_cycle I/.app_life_cycl: CollectorTransition concurrent cop
2021-02-08 18:08:41.828 17578-17578/com.example.app_life_cycle D/Activity_Lifecycle: Cookie.onPause_Invoked
2021-02-08 18:08:43.001 17578-17598/com.example.app_life_cycle I/OpenGLRenderer: Davey! duration=758ms; Flags=1, Ir
2021-02-08 18:08:43.115 17578-17578/com.example.app_life_cycle D/Activity_Lifecycle: Cookie.onStop_Invoked
2021-02-08 18:08:47.212 17578-17578/com.example.app_life_cycle D/Activity_Lifecycle: Cookie.onDestroy_Invoked
>>>
```

Success: Operation succeeded (a minute ago)

The code used in the Main Activity, XML layout is attached below for reference.



Radio Button



Checkbox

Switch



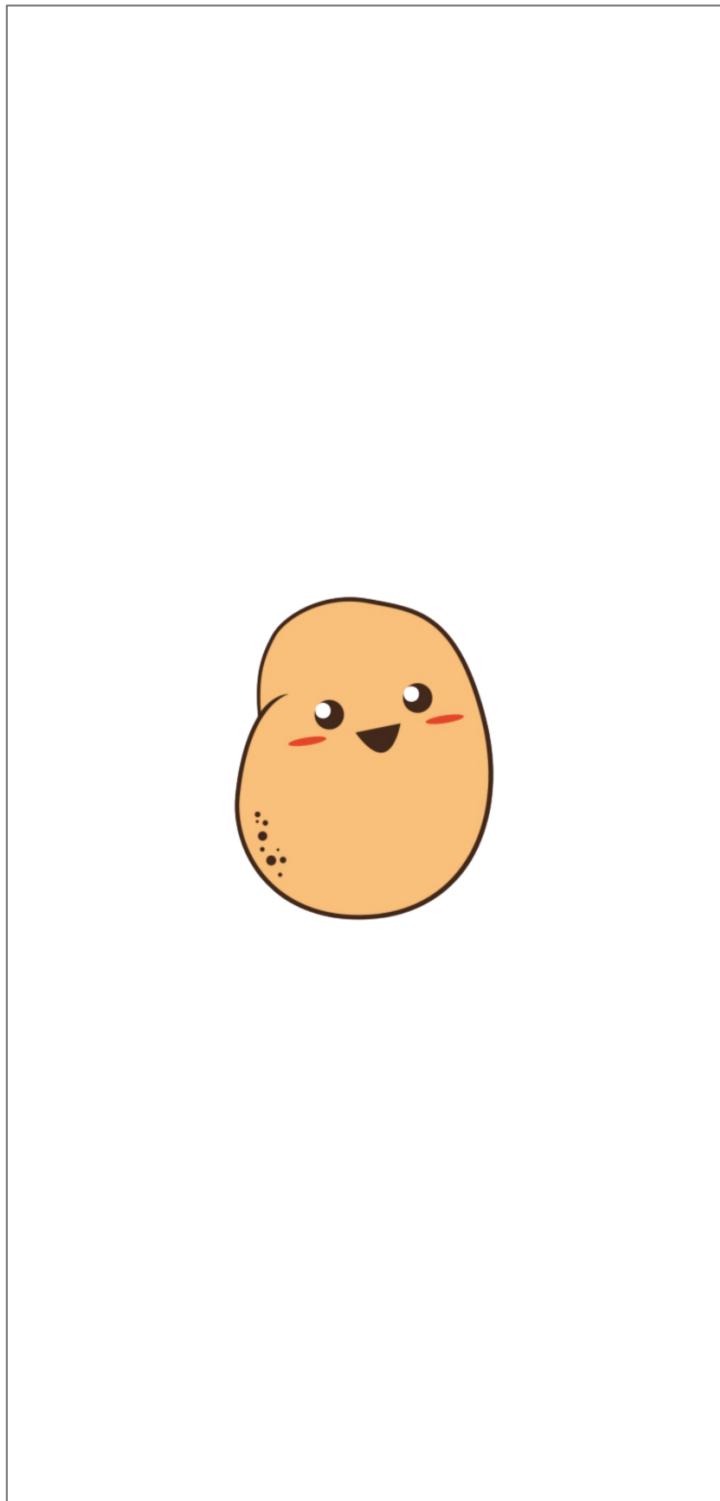
Lab 05 : Input Control

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Course : MCS 272 Mobile Application
(Lab 05 – Fotato Eats)

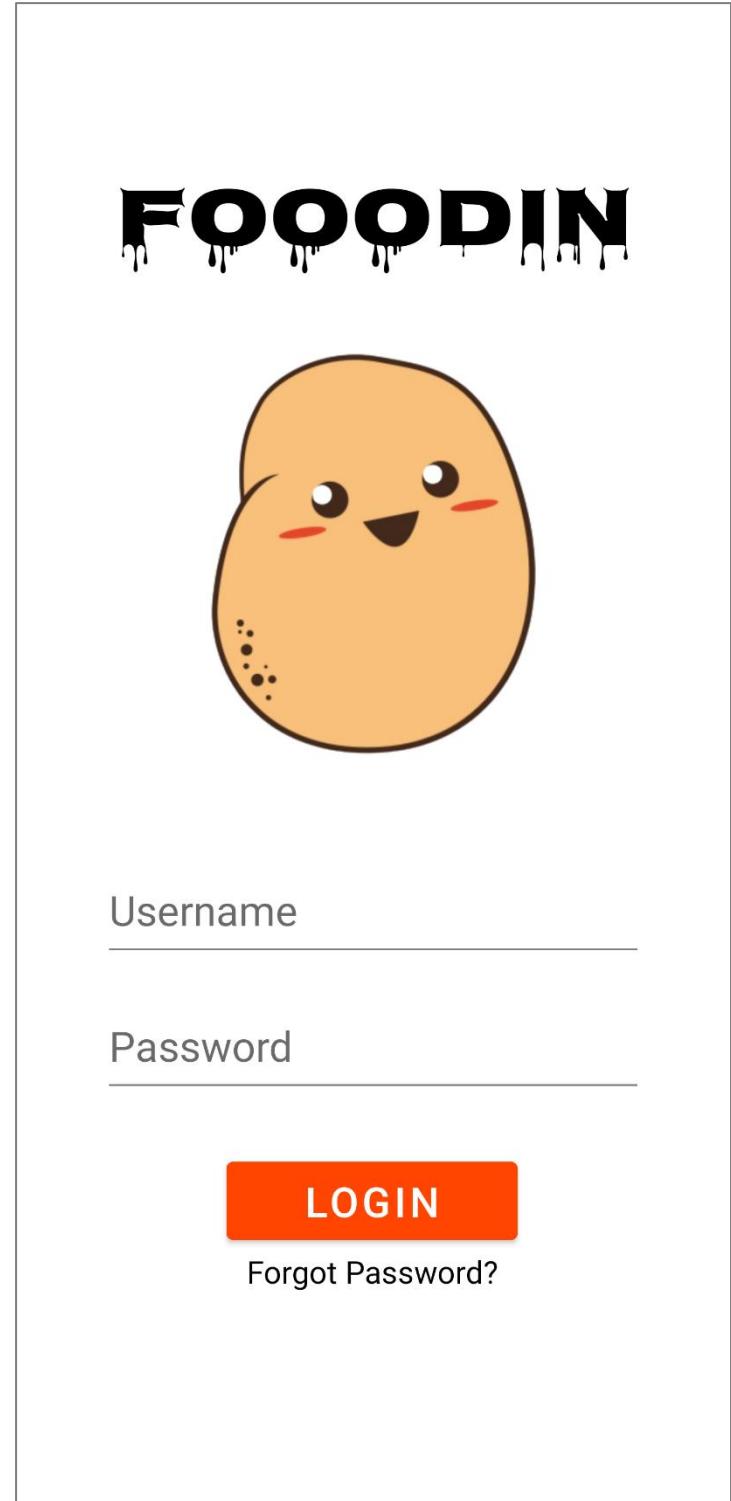


Output:

1. Splash Screen



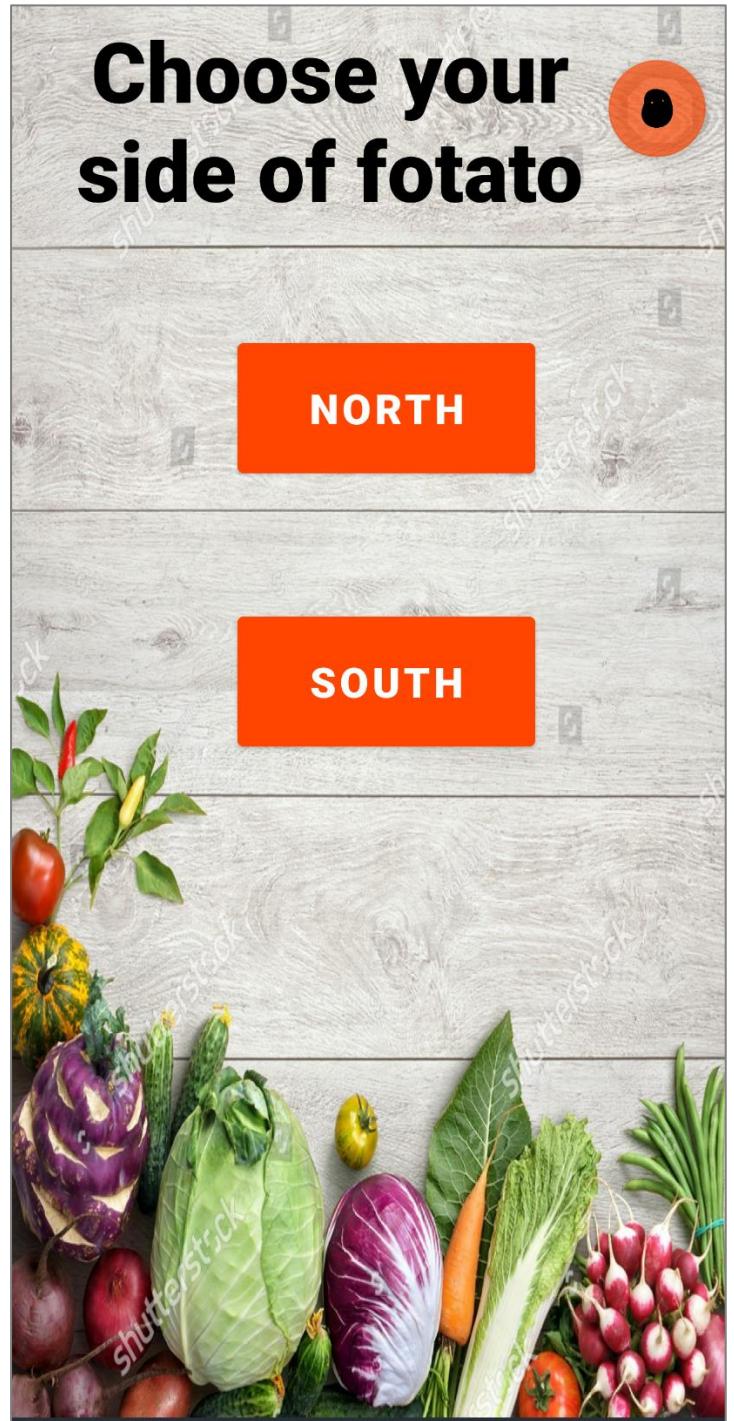
2. Welcome Screen



3. Login Page (TextView,EditText)



4. Food Type (Button, Float)



5. South Menu(Image Button)

South Menu

The menu is presented in a 3x2 grid. Top row: idli (steamed rice cakes), dosa (thin crepes). Middle row: vada (fritters), potato paniyaram (potato fritters). Bottom row: dosai (large crepes), upma (semolina porridge).

6. Item(WebView, CheckBox)

Idli

Preparation Method:

Menu DASSANA'S
VEG RECIPES Search

[Home](#) » [Recipes](#) » [Andhra Recipes](#)

Andhra Style Idli With Rice Rava (Idli Rava)

By **Dassana Amit**
Last Updated: December 8, 2019

4.86 from 28 votes • [159 Comments](#)

Combo Items:

Vadai Veg Roll Samosa
 Tea Cofee

Spice Level:

Quantity:

7. Input (Spinner)

Preparation Method:

1 

2

3 

4

5 **Andhra Style Idli With (Idli Rava)**

6

7

8  By Dassana Last Updated: September 8, 2019

9  4.8 • 159 Comments

10 Combo Items:

11 Vada Veg Roll Samosa

12 Tea Cofee

13 Spice Level:

14 

15 

16 Quantity: 5

8. Input (Rating Bar)

Preparation Method:

1 

2

3 

4

5 **Puttu Recipe | How To Make Kerala Puttu Recipe | Soft Rice Puttu Recipe**

6

7

8

9

10 Combo Items:

11 Vadai Veg Roll Samosa

12 Tea Cofee

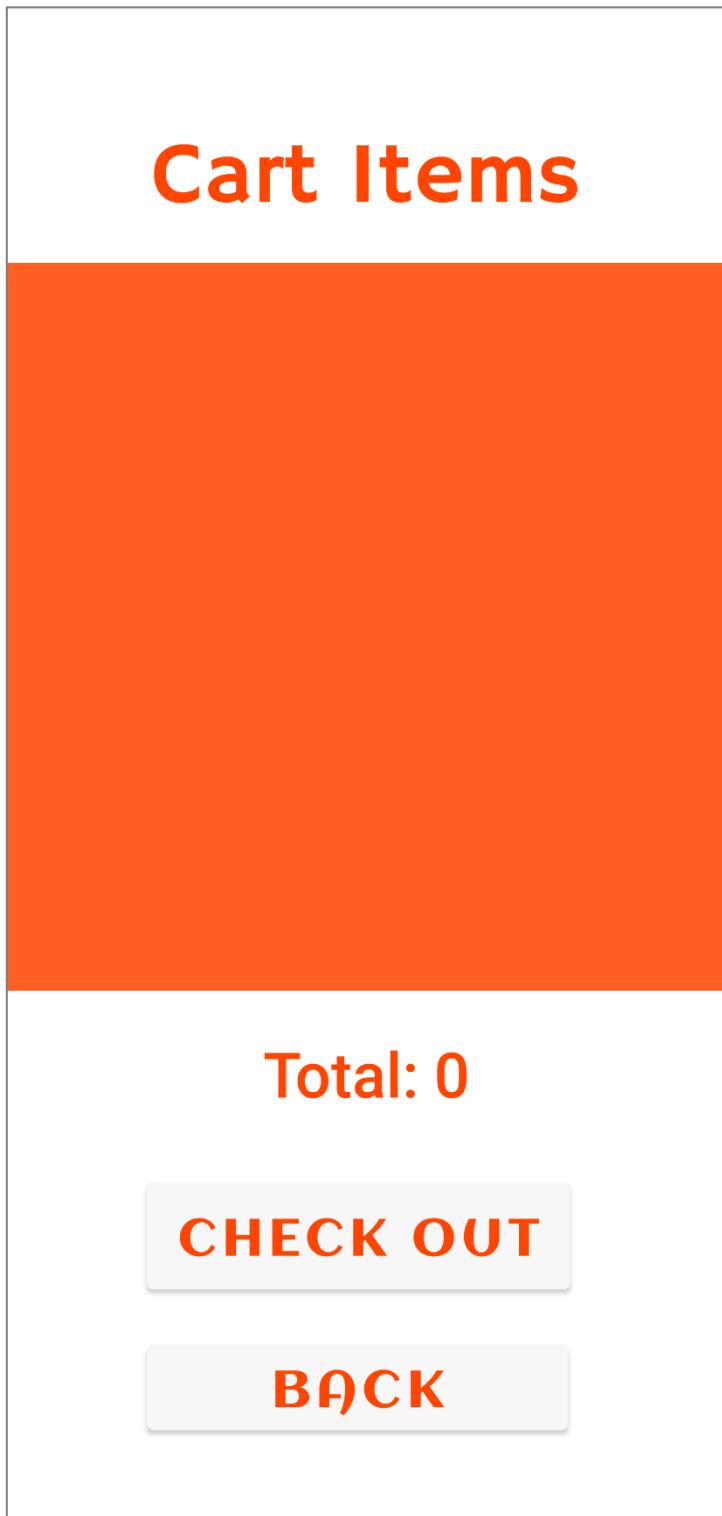
13 Spice Level:

14 

15

16 ADD TO CART BACK

9. Cart before adding items



10. Idli added to cart (Snack Bar)

The screenshot shows a recipe card for "Andhra Style Idli With Rice Rava (Idli Rava)" from the "DASSANA'S VEG RECIPES" website. The card includes the preparation method, author information (Dassana Amit), last update date (December 8, 2019), and a 4.86 rating from 28 votes with 159 comments. It also lists combo items (Vadai, Veg Roll, Samosa, Tea, Cofee) and a spice level rating (3 stars). A quantity selector is set to 4. A message at the bottom states "Items added to cart".

Preparation Method:

Menu  DASSANA'S VEG RECIPES 

[Home](#) » Recipes » Andhra Recipes

Andhra Style Idli With Rice Rava (Idli Rava)

By [Dassana Amit](#)
Last Updated: December 8, 2019

★★★★★ 4.86 from 28 votes • [159 Comments](#)

Combo Items:

Vadai Veg Roll Samosa
 Tea Cofee

Spice Level:

★★★☆☆☆☆

Quantity: 4

Items added to cart

11. Cart after adding idli

Cart Items

Idli
Vadai
Veg Roll
Coffee
Spice Level: 2.0
Quantity: 4

Total: 40

CHECK OUT

BACK

12. Puttu added to cart (Snack Bar)

Preparation Method:

  DASSANA'S VEG RECIPES 

[Home](#) » Recipes » Breakfast Recipes

Puttu Recipe | How To Make Kerala Puttu Recipe | Soft Rice Puttu Recipe

Combo Items:

Vadai Veg Roll Samosa
 Tea Cofee

Spice Level:



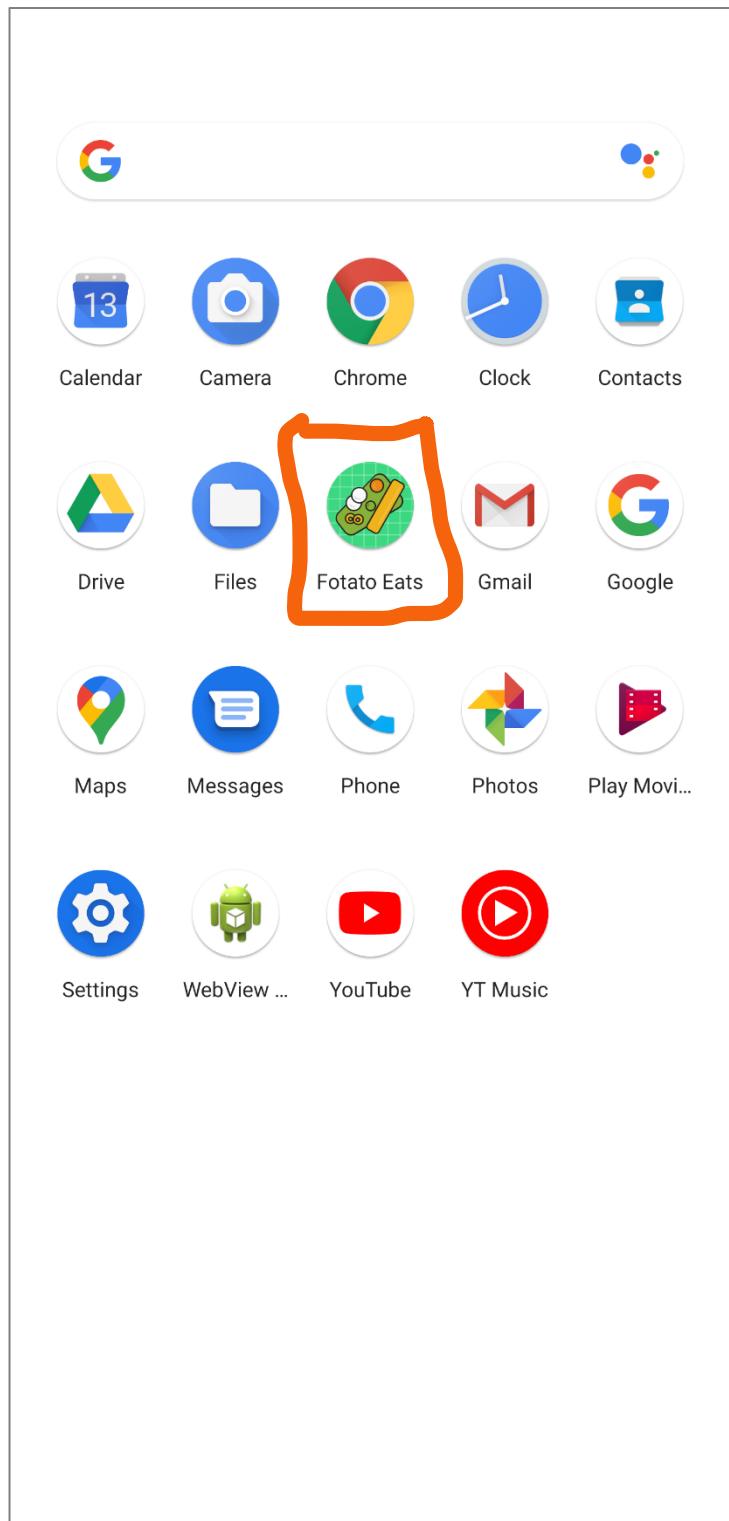
Quantity: 5

ADD TO CART **BACK**

13. Cart after adding puttu



14. App Icon



The code used in the Main Activity, XML layout, Splash screen, button ripple effect is attached below for reference.