

### Lesson – 3 – Programming Homework [ Individual submission]- Assignment-2-10 Points

**Note:** Must upload the Github link and the three screenshots such initial screen, SetBackground click changes, and Image Button click changes on Sakai. No compressed file. Individual screenshots or combined single pdf.

**Problem – 1:** Design the Background Color Changer app.

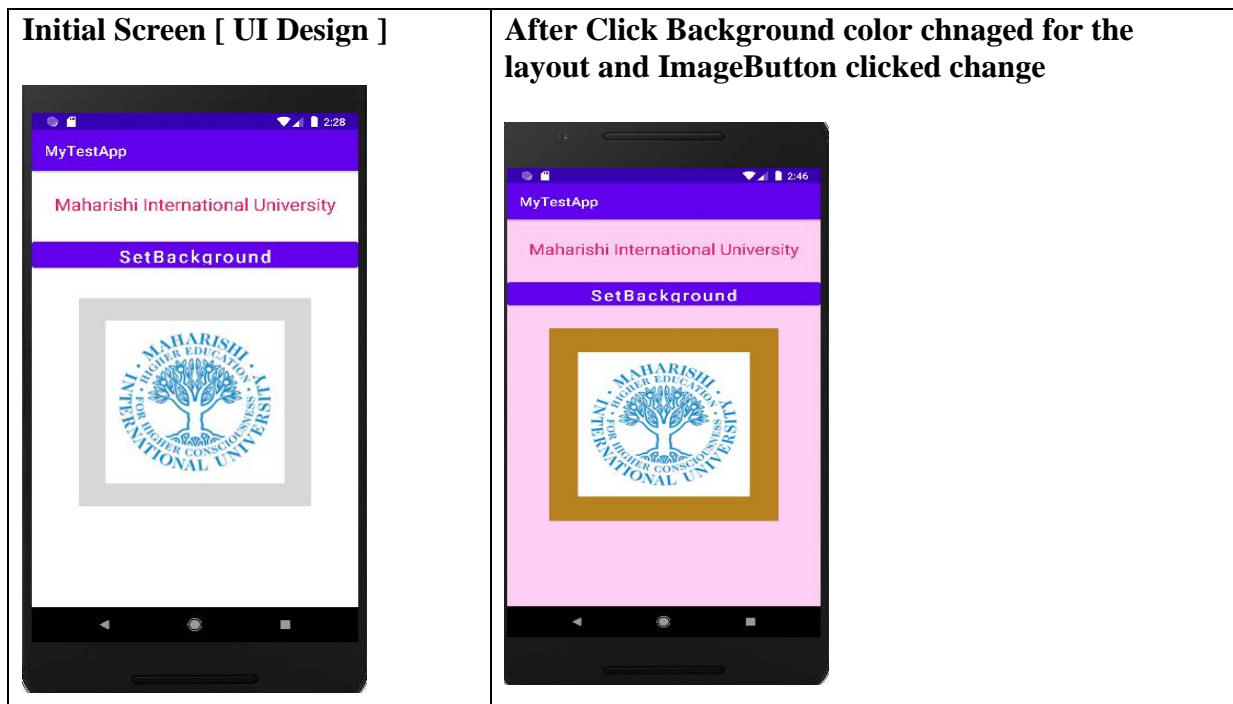
Components need to be added are,

- ImageButton
- TextView
- Button

Design your UI as mentined below using Linear Layout and Perform the given Tasks.

In your MainActivity.kt, perform the click listener implementation for the Regular Button, and ImageButton. Apply different color variation approaches for each tasks.

- For each click of SetBackground button, need to change the layout background color randomly.
- For each click of ImageButton, need to change the Image button background color randomly.



**Hints:** You have a setter method for the Background color. Can use that for the layout and Imagebutton. Can pass the instance of Color.rgb(arguments), Color.argb(arguments), and find your ideas.

**Outcome:** Able to design your app with the Layout adding UI's, learned how to work with Click listener and UI's properties.