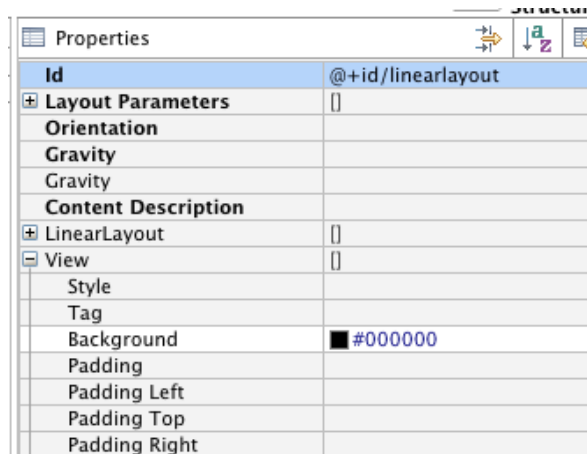
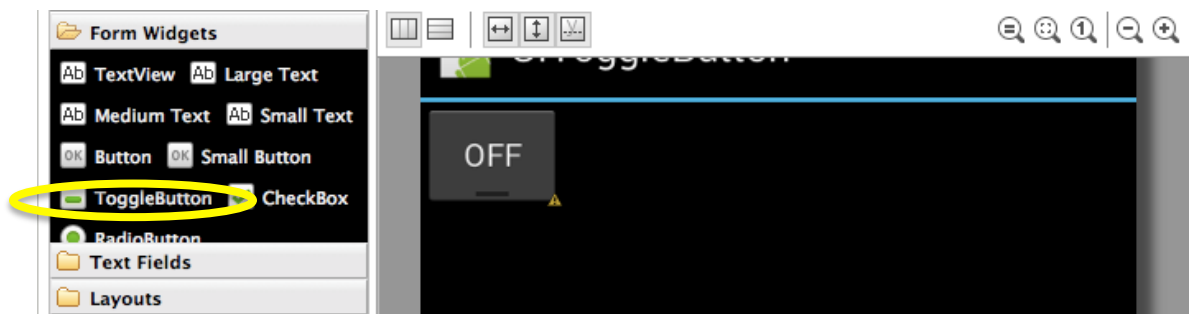


UI Element – ToggleButton

1. Create a new Android Application Project with the following attributes:
 - a. Application Name: UIToggleButton
 - b. Icon: Default image
 - c. Activity Name: ToggleButtonActivity
 - d. Layout Name: main
2. Create the xml file:
 - a. Change the background color of the screen to black by going to Properties Window> Background and provide the HTML code for the black color: #000000.
 - b. Open main.xml and check if the layout of the screen is LinearLayout. If it isn't, change the layout to LinearLayout and edit the ID to linearlayout.



- b. Drag a ToggleButton element to the screen with the following properties:



ID: toggleButton

Text On: START

Text Off: STOP

3. Save main.xml

4. Write the following java source code in ToggleButtonActivity by declaring objects of LinearLayout (to access the background color) and ToggleButton,(to handle its event):

```
final LinearLayout bg = (LinearLayout) findViewById(R.id.linearlayout);

final ToggleButton button = (ToggleButton) findViewById(R.id.toggleButton);
button.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View v) {
        if (button.isChecked()) {
            bg.setBackgroundColor(Color.WHITE);
            button.setTextColor(Color.BLACK);
        } else {
            bg.setBackgroundColor(Color.BLACK);
        }
    }
});
```

5. Save and run the program.

Sample output:

