

Rotations and App Restarts

1. Make an app that lets the user enter a short string. Have an “Add Message” button, that, when pressed, adds the message to the bottom of the screen.

Note 1: to programmatically add a `TextView` to the bottom of a vertical `LinearLayout`, first get a reference to the main layout (e.g., `findViewById(R.id_your_linear_layout)`), then do this:

```
TextView textV = new TextView(this);
textV.setText(someString);
mainLayout.addView(textV);
```

2. When you rotate the app, make sure that the `TextView` text is preserved.
3. When you rotate the app, use a different layout for the prompt, `EditText`, and `Button`.