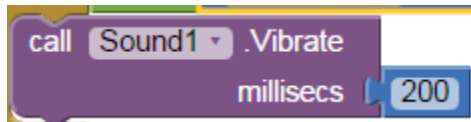


Exercises

1. Modify the **MultipleBackgrounds** app that you created (the one with the Gradients) so it plays a sound effect each time the user switches the background image.
2. Create an app that has buttons to vibrate the phone for a quarter second, half second, three quarters of a second, and a full second. (Hint. Use 250, 500, 750 and 1000)



3. Use the Designer to recreate the screens shown in [Figure 2-82](#), [Figure 2-83](#), [Figure 2-84](#), and [Figure 2-85](#). It must be the exact layout shown.

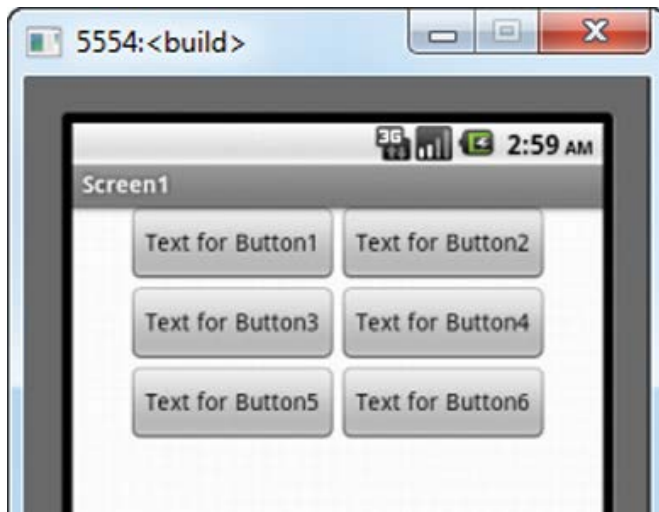


Figure 2-82 Screen Layout for Exercise 3



Figure 2-83 Screen Layout for Exercise 3



Figure 2-84 Screen Layout for Exercise 3

For [Figure 2-85](#), create a label and make sure that the cards are image buttons and that when you click on any image, the label shows the description of the card (ex. Queen of Heart.)

(The card images in [Figure 2-85](#) can be found in the website.)



Figure 2-85 Screen Layout for Exercise 3