



Assignments > Week 3: Colors and songs

## Week 3: Colors and songs

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### Instructions

\*Create a new project and name it 'yourname\_lab2' (replace 'yourname' with your real name )\*

In this lab you will demonstrate your ability to organize and pass data with intents, get data from resources and create a spinner.

### Colors and songs

Create an app that has two activities *MainActivity* and *SongsActivity*

Resource criteria: **4 points**

- Inside *activity\_main.xml*
  - Add a *TextView* to the top of the screen displaying the text '*Colors and Songs by \*your\_name\**'
  - Add two buttons in the middle of the screen with their text displaying *Songs 1* and *Songs 2* respectively
- Inside the *songs\_activity.xml* layout
  - Add a *Spinner* to the middle of the screen
- Create 3 custom colors inside *colors.xml* and name them something unique
  - Don't use the default colors already inside, you can use this site to find hex values: <https://www.color-hex.com/>
- Create an array inside *strings.xml* of 5 of your favorite songs (or any songs)

Functionality criteria: **4 points**

- When the app runs, your *views* in *MainActivity* should change color
  - You must change the color of each *view* to the custom colors you created
- Clicking on either button in *MainActivity* should take you to the *SongsActivity*
  - The first button should pass a string array of 5 songs (in which you created through java, not strings.xml) through an intent. The spinner should update with these songs
  - When the second button is pressed the spinner should update with the array from your *strings.xml*

Organization criteria: **2 points**

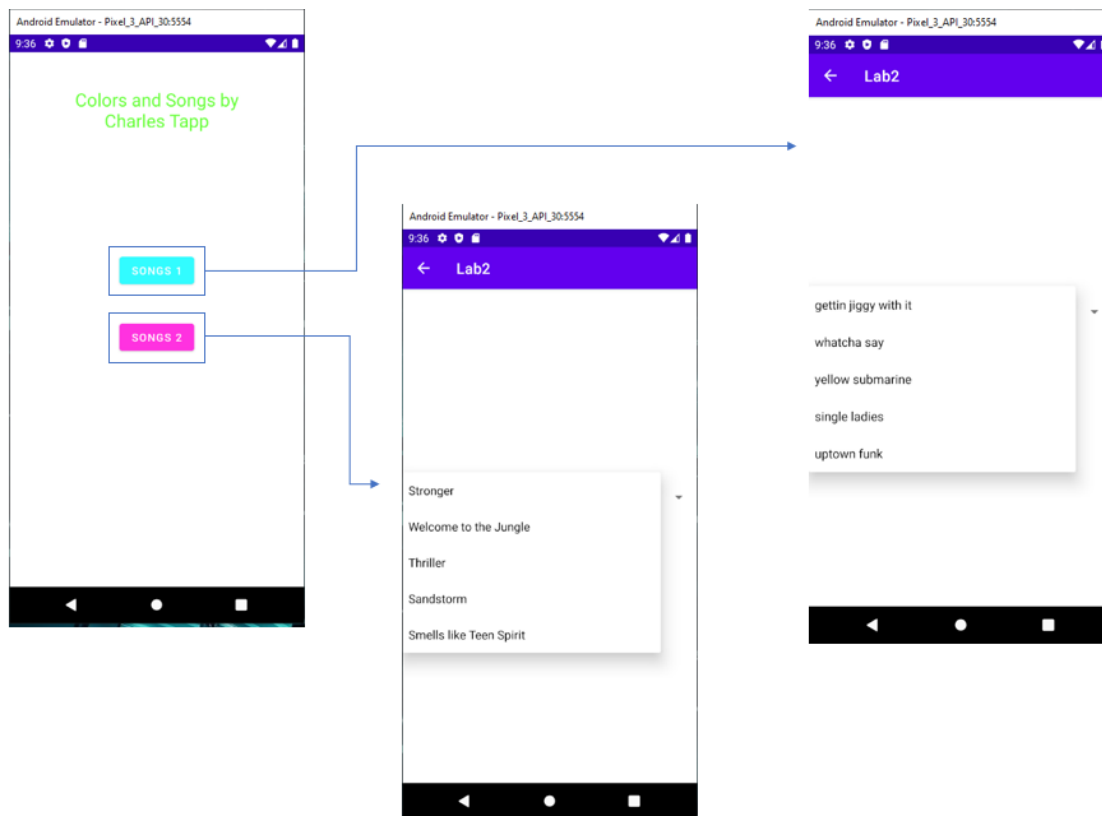
- Satisfy any 'Hardcoded Text' warnings by using a string resource from your *strings.xml*
- Use meaningful names for your strings and id's and avoid names like *Button1*, *TextView1*, etc. Check out: Naming Convention Cheat Sheet

If you finish during lab during the lab time, show your lab instructor in person. Otherwise submit a .zip of your project here when done.

**\*\*When I refer to a *view* I mean something that it is child of the *View* class (*TextView***

Submit

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When adding strings to a string-array inside strings.xml, make sure to handle/escape special characters:

```
<resources>
    <string name="app_name">Lab2</string>

    <string-array name="songs">
        <item>Stronger</item>
        <item>Welcome to the Jungle</item>
        <item>Thriller</item>
        <item>Sandstorm</item>
        <item>So many song\'s</item>
    </string-array>
</resources>
```

#### Start Date

Jan 17, 2022 7:30 AM

#### Due Date

Jan 18, 2022 11:59 PM

## Submit Assignment

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**(0) file(s) to submit**

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