

Android Developer Challenge

This task requires you to use the www.colourlovers.com API. Upon loading the app, a search box and button will be displayed, allowing the user to search for colours or keywords in the API. Once the search button is clicked, you are to retrieve the first 20 results from the API, and display the results as a grid.

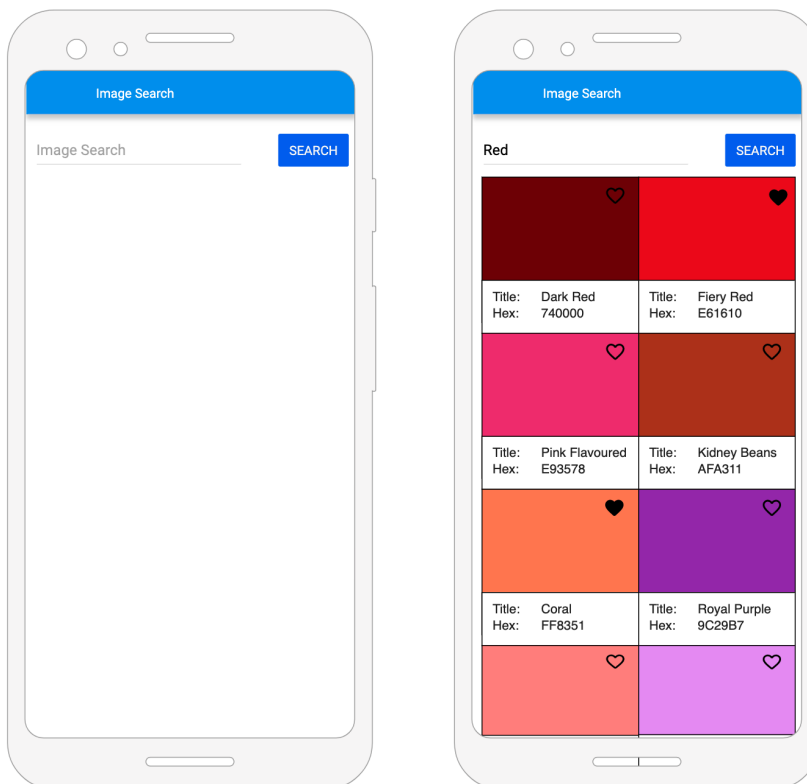
To retrieve the results, please use the following url, replacing **SEARCH+TERMS** with the input provided by the user:

<https://www.colourlovers.com/api/colors?keywords=SEARCH+TERMS&format=json&numResults=20>

Each result will contain the following components for each result:

- The colour image will use the **imageUrl** field.
- The title and hex will use the **title** and **hex** fields.
- There will also be a heart icon at the top right of each result, that a user can click to “like” or “unlike” a colour.

It is up to you to handle error events, including network errors.



Once complete, please upload your project to a public repository on either Github or Bitbucket. Please allow for up to 10 minutes before the end of the scheduled time for uploading. If you run into issues, you can respond with a zip file containing your source code.

Bonus Points

We don't expect anyone to get all of the below completed, but if you have enough time, here are some additional tasks to complete:

- Persisting “liked” options so if a user clicks like on a specific colour, next time they load the app the colour is still liked.
- Implementing infinite scrolling by using the **resultOffset** parameter in the API url.
- Caching colour images so they are only loaded from the network one time.
- Clicking a colour will open the **url** for the selected result in either a webview or external browser (your choice)
- Support for rotation between portrait and landscape orientations.
- Limiting the user to typing between 3 and 10 characters for the search terms.

For more information about the API, visit here: <https://www.colourlovers.com/api>.