ID: 180917

Course: Android Application Development II

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Class Summary

A SearchView is an Android widget that provides a simple user interface for allowing users to traverse a Database or other library using a string as a query. Once the data has been queried the SearchView provides a lexically sorted list of results that the user may choose from. The classwork required communicating with the Flickr API, which can be made possible using Volley and GSON which was taught in the previous lecture. Once the request was sent to the Flickr API the relevant pictures are returned in JSON format which is then parsed and loaded within a recycler view.

Outgoing requests can be made easier by using the volley plugin. It also ships with debugging and trace tools and other handy features such as canceling requests and multiple concurrent network connections.

For the class exercise we were required to:

1. Try to build, understand and run the gallery search app

The Gallary search app was build and understood. A Flickr API key was required for the app to make authorized requests to the server

1. Understand how to use SearchView for sending, storing, deleting search requests

This requirement was demonstrated in the Task Fetcher application

1. Add SearchView in Login/Register app, and related logic (both web service and client), check and make sure the app can communicate with the web service, and the “search for tasks” function works as expected. You can work as a team if you like. This requirement was implemented into the Task Fetecher application successfully.
2. Implement “register a new user” function in Login/Register app.

The functionality above was implemented in the Task Fetcher app. Please see the task\_fetcher\_demo video included in this project.