Llama Digital Android Test Exercise

Nearby Photos App

We'd like you to create an Android app that searches for photos geotagged near the user's current location. E.g. if I am in London the app will retrieve photos relevant to London.

We would like you to spend **no longer than 3 hours** on this. Don't worry if you don't finish it in this time – we don't really expect you to. But we will ask you to describe what you would need to do to finish it.

Core Requirements:

1. Use the public Flickr API: https://www.flickr.com/services/api/
2. Return the first 50 results, ensuring the app remains responsive while downloading.
3. Each image should be displayed in a cell with the title of the image next to it.
4. Cells should be sized to display roughly 4 images per screen on an average phone, before the user has to scroll down.

Optional Requirement

1. Limit to photos taken within 5km of user's current location.

To Discuss

Things to think about for discussion at interview (these are NOT requirements for the app):

1. How would you allow users to store photos they like to be viewed offline?
2. How would you allow a user to share an image on social media?
3. How could this be made real-time? Updating images as new ones are added, and what would be UI implications of this?

Sending your work

Please share you code with us on a private repo on bitbucket or github. A working APK would be useful too.