CS 3010: Android Application Development

Assignment: APIs

Requirements

• Create the PhotoGallery application to load image data from the web API provided by Flickr, as described in Chapter 24.
• Using a RecyclerView and its related classes, display the images returned by the API as a grid layout.
• Use the open-source library Picasso to load the remote images. Refer to the documentation here.
  • Or, alternatively, you may follow the process described in Chapter 25.

Resources

• Refer to the Android developer documentation as needed when completing your assignment.

Submission

1. Submit your project using Git and GitHub. Start by creating a repo for this assignment here.

2. To pass off your project (required to receive credit), choose one of the following two options:
  • Show your completed assignment to the instructor during class or office hours using Google Meet.
  • Alternatively, you may record and submit to Canvas an audio/video screen capture that demonstrates ALL of the following aspects of your completed project. Use your recorded voice to narrate your demonstration. If one or more aspects described below are not shown, points will be deducted accordingly.

Using the Android Emulator, do the following:

1. Run the application to show the photo gallery page.
2. Show that the gallery page initially loads a grid of photos.
3. Slowly scroll down to show that the gallery loads additional photos.
4. Scroll back to the top to show that previously-loaded photos are still visible.
5. Finally, answer this question: did you implement Chapter 25 or Picasso?