Project 4 - Network Project
CSCE 4623 – Mobile Programming – Fall 2020
Due Date – Thursday, December 10th, 11:59 PM CT

Task: For this project you will implement a REST Client interface to implement the front-end for a mock blog. You will use `https://jsonplaceholder.typicode.com/` as the mock back-end interface.

Expected Operation:
Your front-end should implement the following:

1. Load to a listview or recyclerview showing all posts on the path BASEURL/posts. The view should hold the post id, username, and a blurb showing the title of the blog post.

2. Each view item should be clickable and take you to the actual post, which will show you the name of the user that made the post, the post title, the blog body, and a listview showing comments associated with the post.

3. The username should be clickable to take you to their user page that shows the name, username, email, phone, website, a map showing their location, and a list of posts associated with the user.

4. Each comment should show the email, title, and body of the comment in its view.

5. You should be able to add a comment in a blog post by posting your email, name, and body with the associated postID. (Note, this comment won't persist, but you should receive the confirmation from the server and show it temporarily in the listview.)

   The application will be tested on the Pixel 3 Phone. If that does not work, I will attempt operation on the Nexus 6 emulator.

Tests: I will test the following:

1. Load to the main listview showing all 200 posts
2. Click a listview item and load the post.
3. Click a username to see the associated user info
4. The user page should show a small map showing the user's location.
5. The user page should have a list of the posts made by the user
6. Go back to the post page and view the comment list
7. Create a new comment and receive the http response

Rubric: The project will be graded according to the following rubric:

Category	Description	Percentage
Pass Given Tests	There are a set of example scenarios in this document which you must implement.	70%
User Experience	How your application looks and feels to the user is important. Consider how you want to implement the UX to appeal to your user.	10%
Coding Comments & Style	Android uses XML and Java as its primary languages. Use the appropriate coding styles (e.g. lowerCamelCase for variables and methods). Comment functions with a description about their behavior, any parameters, any return values, and any shared variables which it manipulates.	10%
Report	A simple, one- or two-page report. The report should have the project name (e.g. To-Do List), a picture of the application, a short description of what you did, and the outcomes (e.g. Did it pass all example tests, if not, why not, your UX design methodology, etc...). The report should use the template found on the website. Failure to do so will result in missed points.	10%

Table 1: Grading Rubric

Submission: You should zip your project directory and submit it through the Blackboard.