Lab Report # 7

We were given a sample project that implemented RecycleViewer and asked to add Radio functionality to each of its elements. That could be done successfully in just a few steps:

1. First and most important was to go into the app’s manifest and grant the application some permissions ( ACCESS\_NETWORK\_STATE & INTERNET).
2. Up next, the “Dog” java class was renamed to “Station” and modified so each station object could also have a “steam” argument that would store the URL of the radio feed.
3. In the ItemArrayAdapter all variable names were adjusted to match, and onClick() was modified to activate a MediaPlayer object that would connect to the URL of each station when needed and play upon interaction.
4. Also, two boolean variables were created to be able to effectively track if the media player needed to be paused or started by onClick().
5. Lastly, in MainActivity, a few Radio objects were initialized and added to an array. The loop that was previously existed was just adjusted to only show as many stations as we created instead of 100.

The application did not quite function as expected, due to what is thought to still be a lack of user permissions granted in the manifest. The radio would simply NOT work. The only thing that could be added to improve the application functionality otherwise is making sure to adjust the media player object’s state onPause() or onResume(), so that music could continue playing in the background.