Description of the App;

Our application is a comprehensive weather app that provides users with up-to-date information on weather conditions worldwide. In addition to displaying weather details, such as temperature and precipitation, the app also includes essential data on time zones to help users plan their activities accordingly. What sets our app apart is its unique feature of dynamically adjusting the display theme based on whether it is day or night, providing users with an intuitive and visually appealing experience. The data also has data visualization feature that shows graph of population change of the Finland cities.

Furthermore, to engage users on a deeper level, our app features an interactive quiz focused on climate change and hazards providing users with immediate feedback on their accuracy and further enriching their understanding of Finnish demographics. In summary, our application combines sophisticated data-driven insights with an engaging user experience to facilitate exploration of both local and global climates and demographics.

Division of Labor;

Sandip Pokhrel created the implementation plan and wrote the Documentation whereas Aayush Pandey wrote the codes, implemented features and concept for the app and recorded the demonstration video . Similarly, Sandip Pokhrel also wrote codes for quiz section whereas we created the class diagram together. We both worked hand on hand for the successful completion of the project.

FEATURES IMPLEMENTED;

Mandatory → 10 points

Recycle View → 3 points.

You are displaying images → 2 points.

There is more than one data source → 3 points.
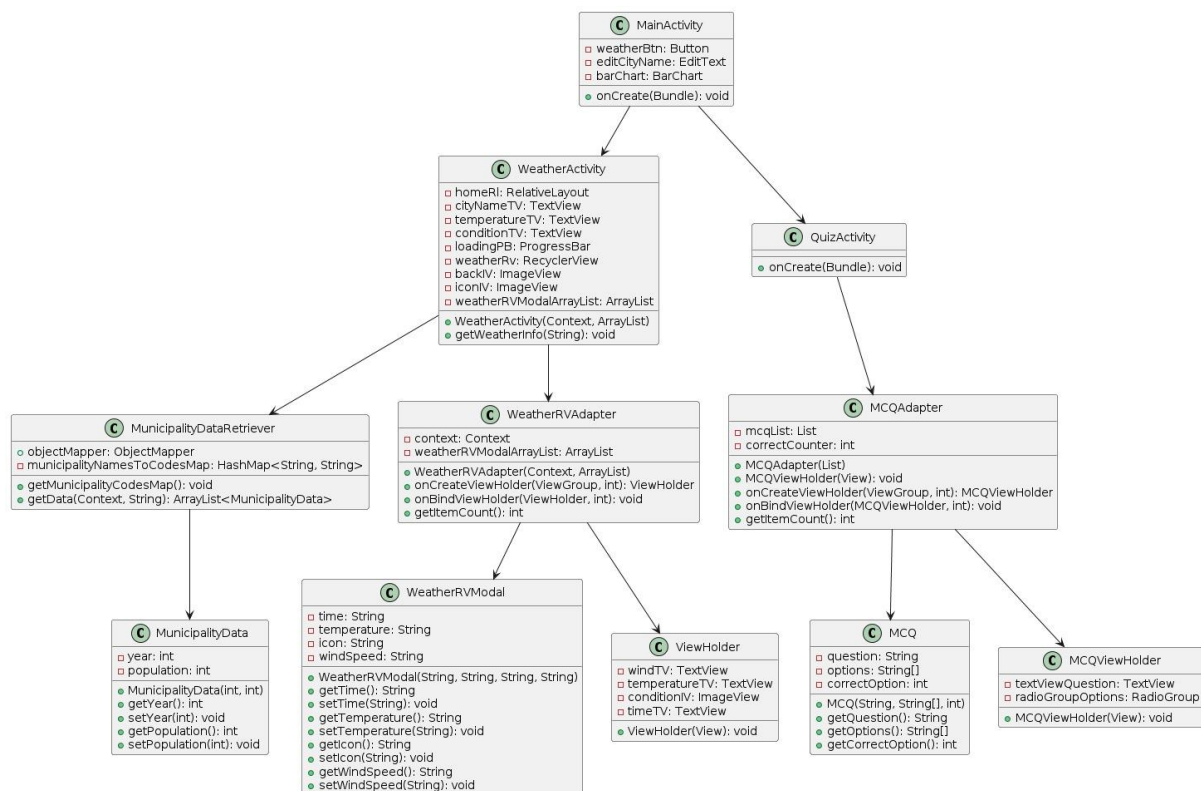
Weather all over world → 4

Weather forecast according to time → 3

Card View → 3 points.

Quiz → 4 points.

Data visualization → 5 point

CLASS DIAGRAM:

Installation instructions:

There are no need for any installations, the app runs smoothly by itself. There are few images that were extracted through web which would be available in the zip file