Accenture Latvia Android development task

Application name: Weather Logger

Description:

Create an Android application to save weather conditions for your current location.

Main functionality:

The weather information should be retrieved from https://openweathermap.org/api >
CurrentWeatherData API. By default service returns a lot of data, but it's mandatory to
save and display only **temperature**. Usage of other data is optional but creativity is
welcome here.

After 'Save' is pressed the application should **retrieve** the weather **data** from the API,
store it locally together with the **date** of the event (request time) and then **display** it on
screen.

Display the data in a **list** or **graphical chart**.

Data model is completely up to you, feel free to use custom frameworks and libraries
what might help you with application development.

For Weather API service usage you need to register in the portal and receive an APP
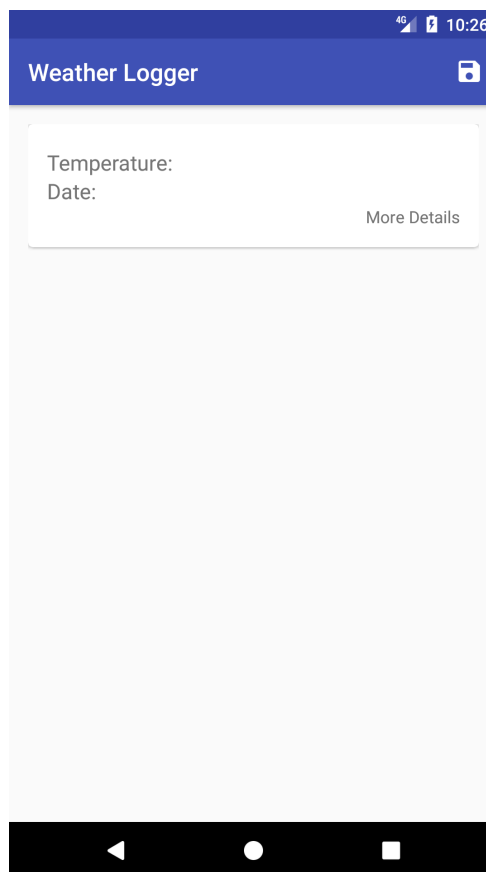KEY. Use it in network requests to fetch data.

Non-functional requirements:
- Compatibility with Android 4.1 and onwards
- Code quality, readability and consistent code style
- Best UI practices (Material design)
- Local data storage
- Unit test (JUnit/Robolectric)

Optional Requirements:

Completion of Optional requirements will grant additional bonus points

- UI layout optimized for both Phone and Tablets screens
- Implement 'More details' screen (with ability to view more detailed information about weather data returned from API)
- Fetching and processing weather data for more locations
- Refresh the weather data periodically
- Ability to access application weather data from 3rd party apps via shared content provider or other solutions
- Custom animations, transitions between screens
- Create Widget for Home Screen
- All CRUD operations
- UI tests using Espresso
- Use Kotlin instead of Java for MainActivity

UI example:

Task submission:

Please send the solution as a shared link to zipped project folder including README file with description of optional tasks executed and usage of custom libraries. Use any of the following file sharing services (Dropbox, MediaFire, Drop.io, etc.) or to a source repository (Bitbucket, GitHub, GitLab).

In case of any questions about the task please feel free to contact us via email.