Requirements tender process

Important points of the interview

The application that will be developed will be available only for Android 4.4.4 devices, this application will contain all available stations with the public transport vivebus, at the time of opening it will show us a map, which must be loaded within the application so that in this way the processes are faster, on the map each station will be marked by a red dot, each of these stations must have a proximity range of 20 meters so that in this way a small alarm to the person telling him that he is about to arrive at a new station, and in case of having to descend, prepare for it, for this alarm to work, the Smartphone should have gps, which should be on all moment, in this way, when moving around the city, it will do so in the same way by the map of the application.

* The app must have an administrator, who can enter within this new points, which will be the new stops of the vivebus, if this happens, the application should be updated.
* The app must have two main processes, which are:

Selection of the station you want to reach:

* This process first shows the start screen, which will have all the existing stations so far, so that the user can choose which one to reach.
* One of the many characteristics of the home screen is that it must be ordered according to the existing stations.
* No account is required to enter the application, so anyone with access to a Smartphone with Android higher than 4.4.4 and with gps can use it.

Search of the gps:

* In this process, the GPS of the Smartphone is used to locate its location and show it on the map that is automatically loaded, showing us what part of the city we are in and the stations next to which we can reach.
* In order for the previous process to be executed, it is necessary to have activated the GPS of the Smartphone, so when the application is started, it will be requested to activate it.
* The location search through the gps is stable, but to have better control of it, it is recommended to turn on the data and once the location is found they can be turned off again.

The app should be able to save new locations for vivebus stations

* The app must contain a section showing all the existent vivebus stations so far, so that the person can see where each city is located.
* In case a new vivebus station was created, the application must be updated to have it.
* The administrator must enter the new coordinates and send a new update to the network.