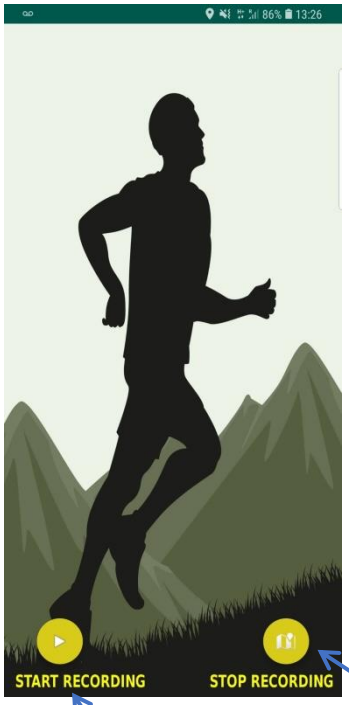
UI Design

The mobile used to test the application is the Samsung galaxy S8+.

MainActivity (before launch) :



Start tracking position Stop the tracking

When the user launches the application, this activity is launch.

The activity contains only two buttons. In this way, the user knows easily how the application works. It's clear, basic and simple.

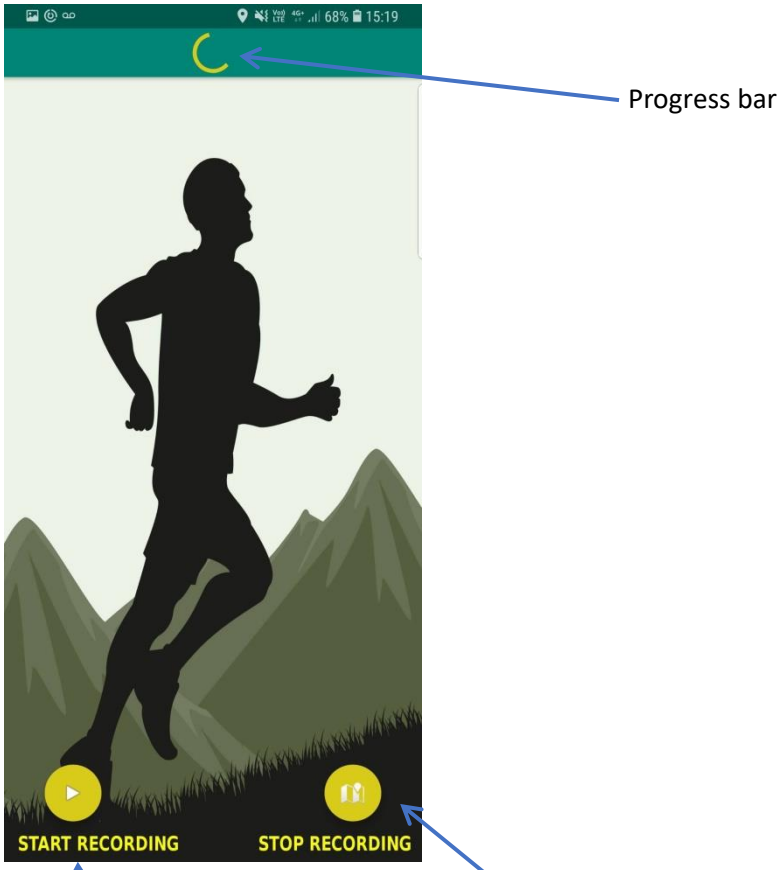
I have decided to place the button play at the bottom right and the button stop at the bottom left because it’s the common way.

Buttons are yellow because it’s a beautiful colour and it’s fine with the background.

Indeed, with this colour, the user sees easily the button.

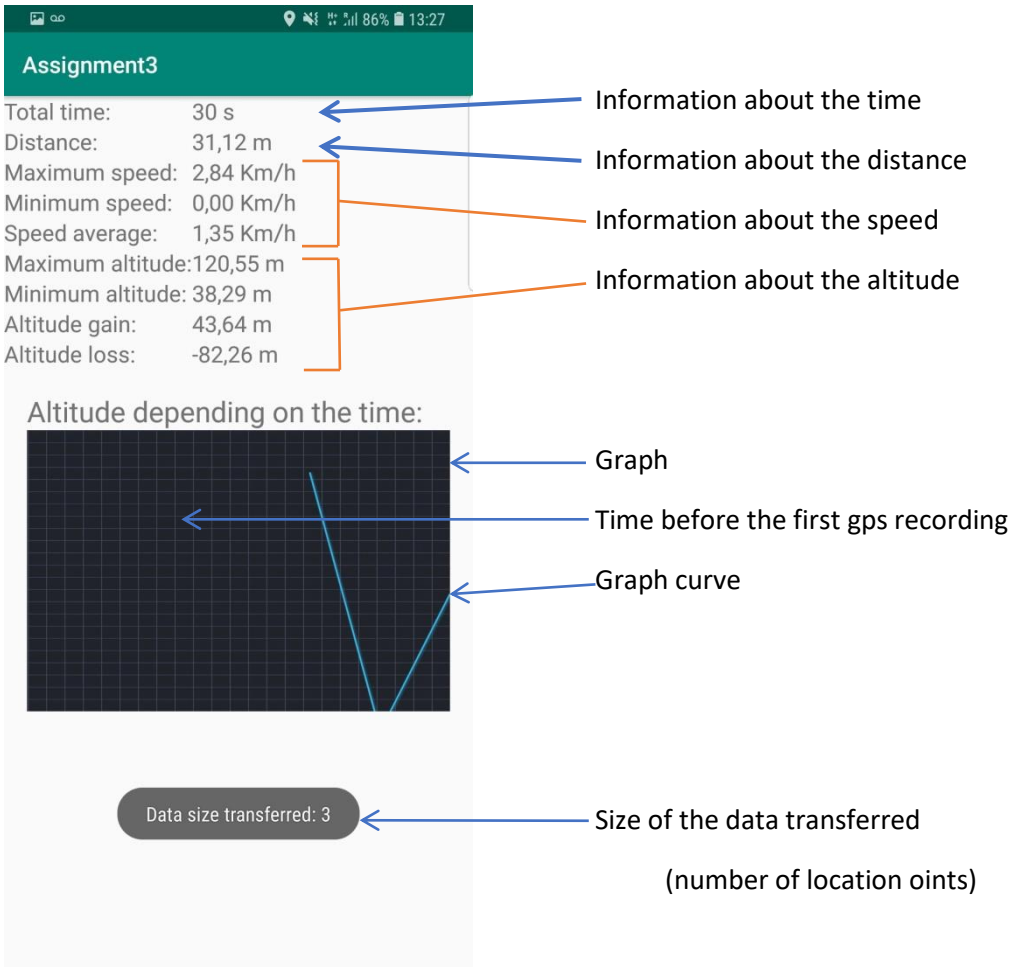
I have also edited the image to add “Start recording” and “Stop recording” to have a better visualization of what the buttons do.

MainActivity (after launching) :



When the user run the tracking position, a progress bar is launch at the top of the screen. It helps the user to knows that the application is running.

Gps activity (just after stop the position tracking) :

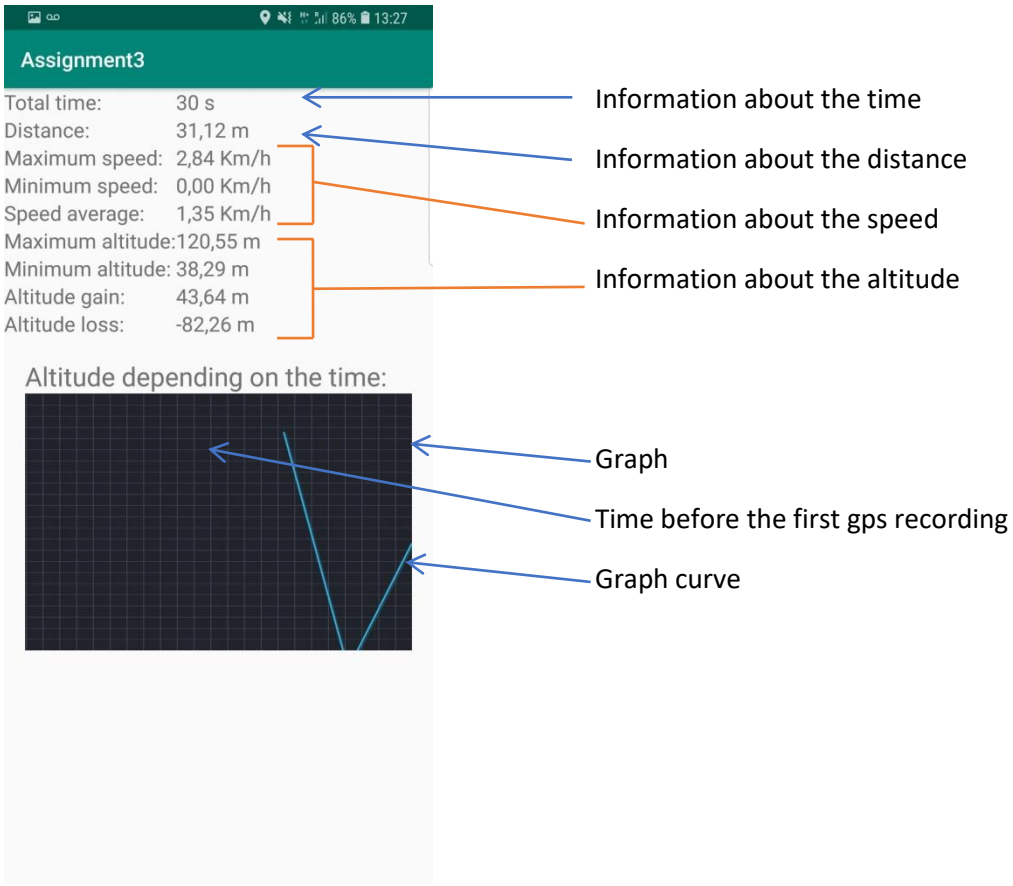


When the user stops the tracking position a new activity is launched.

The user can see all information and the graph but, in this case, the most important thing is the toast which allows the user to know how many data the user got with the application.

It's placed at the bottom of the screen because like that, the user can see all information, the graph and the message.

Gps activity:



In this case, the message disappears, and the user just see the most important information.

I have placed all information by order of importance and theme.

By this principle, the user found at the first the time of his recording in seconds and then it found the distance in meter. I have chosen this unit of measure in the case of the user recording during a short distance.

After I have displayed the information about the speed (maximum, minimum and average). The speed is in Km/h (kilometer by hour) because it's the common unit of measure for the speed depending of the time. (example road etc)

Then I have placed all information about the altitude (maximum, minimum, gain and loss). The altitude is in meter to accurately represent the change.

To finish I have displayed a graph representing the altitude depending on the time.

The large part without curve represent the time between the launch of the recording and the first location update.

Another example:

Here there are another example of the application. In this case the application has recorded 11 data.