Gas station finder

**PROBLEM**

One of the main concerns when driving cars is the fuel. Running out of fuel can be quite annoying, especially when you are in an unknown area. That is why it is crucial that we know where gas stations are stationed at.

**PROPOSED SOLUTION**

A mobile app that knows the exact location of the nearest gas station. This allows the users who uses cars to travel without any worries of running out of gas in unknown lands.

**CORE FEATURES**

* Login / logout (Authentication)
* Usage of location to find the nearest gas station to the user and the estimated time it takes to get there
* Details on the gas station (facilities, gas availability)
* Users can report if there are no gas available in a particular station or if there are any tricks involved in the gas filling

**EXTERNAL SERVICE**

The external services that are required in order for the app to work :

* Google maps to find out the exact location of the gas station nearest from you

**RELATED WORK**

There are plenty other apps that can tell where gas stations are located such as Google maps, but this app is specifically used for finding gas stations. The app also tells the details, the facilities, and the availability of the gas in the station, something that are not present in any other apps.

**WORK DIVISION**

Dewa will work on the login and user details page

Andre will work on implementing the map

Fenbert will work on the station details page

**WEEKLY PLAN**

Week 5 : skeleton of the activities

Week 6 : UI

Week 7 : login and details activities

Week 8 : connect to database

Week 9 : map implementation

Week 10 : connecting map to the other activities

Week 11 : debugging

Week 12 : report preparation

Week 13 : presentation