

# Petrol Price Comparison App

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Client: Mark Stockdale (AA)



Photo of Nicole Priddey



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App Main Page

## INTRODUCTION

Our project is to create the Petrol Price Comparison application that is intended to compare petrol prices from gas stations nearby. The Worth It feature is a point of difference to the one already in the market. It will display the current fuel prices for the stations, allow users to update the prices, and have a Worth It function that will inform the users of driving further for a lower price compared to going to your closest station.

There are many consumers wanting to find the cheapest fuel price. The main aim for this app is to allow customers to not only see the current prices but advise customers if it would be worth travelling the further distance to get the cheaper prices. The app will be a service that AA can offer to their customers but was developed under the assumption that the AA does not have a business investment in this app.

## DEVELOPMENT

When we started our development process, we had to work at home due to COVID-19 lockdown. So, we keep up to date with the daily team meetings through Facebook Messenger Calls.

Nicole was working on the back-end of the app and part of the front-end while Angela was working on the front-end of the app. We are using Java for the back-end and React Native for the front-end. The client wanted to use React Native for their applications. Since we are new to using this new language, we struggled with it and had to learn through tutorials online during the development phase.

There was not much client involvement at the beginning of the project. Around Week 9, we had weekly meetings with the client through Zoom. For the advisor meetings, we had weekly meetings through Zoom.

There was a bit of trial and error to set up the infrastructure for the middle tier of this project since we did not get much support and took longer than expected.

We discussed with the client to form a more valued plan to prioritize the Worth It function and agreed to remove some of the features such as photo recognition, filter the price list, and open the station in Google Maps.

Once we have implemented the basic functionality as well as the core functionality that the client wants, we tested using different testing methods such as manual and integration testing to check for any errors. We documented each test in further details on what they do.

## CONCLUSION

We have developed an app with basic functionality and the main functionality that the client wants. We have changed our initial scope and removed some of the deliverables that were not of a priority to the client to focus on what was important.

This app is given to the AA as a prototype. They are not planning to commercially pursue it further. We had finalized the files for the client handover and given to them including the user manual and handover document containing details of deliverables, bugs/defects, and ideas for future development.