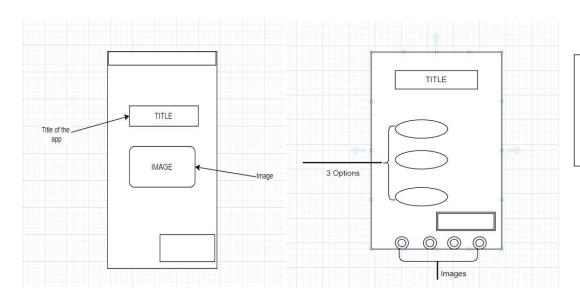
## **REPORT**

For my coursework, I chose **option B** to create an app. The app that I created is called *FuelAppDelivery* (or Fuel Delivery Service) and it is a fuel delivery service app that helps customers order a service to refuel their car when they run out of gas. I got this inspiration from a <u>website</u> that had many ideas for what start-ups can do for an app. The reason I chose to create this was because I have noticed happening in real life experiences whereby a person wants to go somewhere but realises that there is not enough gas in their car, meaning they will have to travel a distance to refuel their car, whereas by using this app there is not needed to travel a mile to a filling station. Simply order a refuelling service and in less than minutes your gas will be serviced.

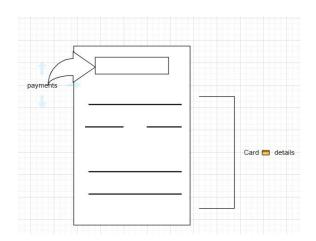
**Software design**: For the application to run, there are classes and methods that are used to call certain functions. The classes used in the app and what they do are:

CLASS	WHAT IT DOES
MainActivity.java	This is the main page; the first thing it shows
	on the screen is the name of the app.
ContinuePage.java	After the main page, this will allow the user
	to choose the desired fuelling.
Options.java	Third page of the app whereby the user fills
	in the car details.
MapPage.java	Allows the user to select a location in the
	map (though it is already pre-selected).
CardPayment.java	User makes payment.
LoadingPage.java	Processes the payment.
Receipt.java	User receives a digital receipt showing the
	order they made.
Final.java	Asks user to rate the app.

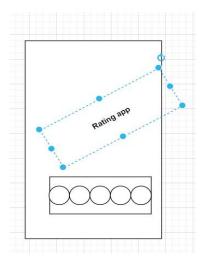
As for the *prototype user interface*, here are some prototypes of how the app would look like:



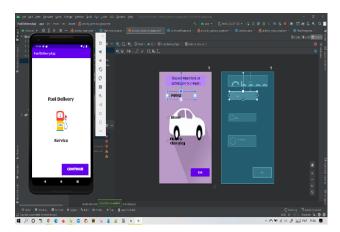
Prototype 1 on the left Prototype 2 on the right



Prototype 3 on the left Prototype 4 downwards



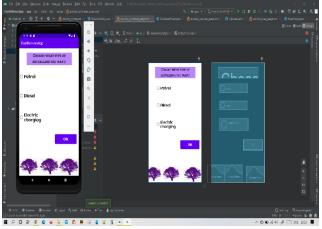
## Short description of app implementation including screenshots:

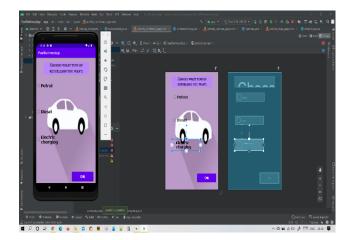


This is the initial front page of the application. It will show the person using this app that it is a fuel delivery service app.

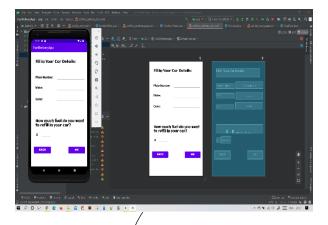
The background is plain but moving onto the next pages the background changes.

This is the next page. It shows the 3 options for the client to choose from for filling the gas in the car. They can only choose **1** out of **3**.



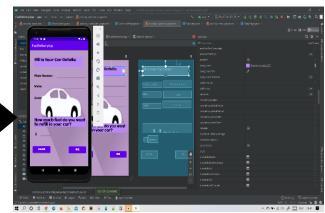


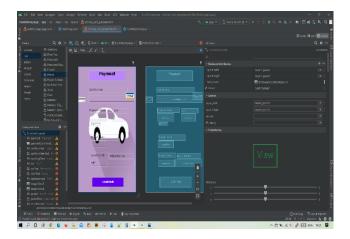
This is the same as the previous one, but the background has been changed to match the purpose of the app.



These two are the same and they show the user to fill in the details of their car and how much they will pay for refilling.

But the background has been changed to keep it consistent.





This is the stage of creating the payment details for the user. After filling the requirements of previous pages, it will enable the user to pay.

## **Evaluation**:

• A comparison against the original concept as detailed in your introduction: The original concept for this app was to enable a person to select a location on the app, and a truck will be at there place within minutes. This is what the app does, but in addition they can fill in the

details of their car and receive an order number so when the truck comes, they can quickly refill the car. They will also have the possibility to rate the app.

In my app, there's an activity page where it shows a map and a location logo; my aim was to allow a user to be able to use a real map (on the phone) and select a location that is closer to where they live. However, it required a lot to do in implementing so what I did instead was to put an image of Great Britain as a background and add a location logo image on it.

- Comparison against other applications/games in the genre. If Option B, compare your app with the ones that inspired your choice: When making this app at first, I thought of the design to be very basic but with few images to make a little "frame", but looking at some apps most of us have I noticed that it is better to have an app that is more appealing to the user with great or even with easy navigation than to have an app that does not inspire the user to open it. So, I made changes to the design of the app and made sure it focuses on areas like gas, fuel and/or car.
- Possible improvements to your application: One of the improvements that should be in this app is the ability to have Voiceover, an accessibility feature, to help those that are disabled. Secondly, it should have a chat function or bot so when the client has a problem on the app they will chat with the providers.

**Summary**: In summary, I believe that this app will benefit anyone using it as it is convenient and more helpful for them when they are not able to get to the filling station for any reason.

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