1

```
+-+-+-+ +-+-+-+-+-+-+-+-+ +-+-+-+-+-+-+-+ +-+-+-+-+-+-+
|C|a|r| |P|u|r|c|h|a|s|e| |A|d|v|i|s|o|r|y| |S|y|s|t|e|m|
+-+-+-+ +-+-+-+-+-+-+-+-+ +-+-+-+-+-+-+-+ +-+-+-+-+-+-+

1. Find nearest car retailer
2. Get car purchase advice
3. Place a car order
4. Exit
```

Upon running, the Main Menu will present 4 options

2

```
Which service would you like?
1
Please input your postcode
40700
Closest retailer to you is Retailer 1(ID): 3648107. If you wish to purchase from them, please take not of the Retailer's ID for your reference!
```

Press 1 to get nearest car retailer shop

3

```
Which service would you like?
2
Here is the list of all retailers available! Please select on one for further information.

1. Car Retailer ⇒ |Retailer Name| Albert Camus ☆ |Retailer ID| 3648107 ☆ |Shop Address| Shah Alam 40150

2. Car Retailer ⇒ |Retailer Name| Haruki Murakami ☆ |Retailer ID| 1507163 ☆ |Shop Address| Petaling Jaya 46050

3. Car Retailer ⇒ |Retailer Name| Leo Tolstoy ☆ |Retailer ID| 7596304 ☆ |Shop Address| Bamboo Hills 51200

Which car retailer would you like to go with? Please input the corresponding number:
1
1. Get a car recommendation
2. Get all cars in stock
3. Get car by type
4. Get probationary license permitted cars
5. Exit to Main Menu
Which action would you like to perform? Please input the corresponding number:
```

Press 2 to get car advice. The program will present a list of retailers, which the user can choose. A sub-menu will appear with the respective functionality. Simply press the corresponding number to execute them. To go back to the main menu, press 5

4

```
Please enter the car type (FWD,RWD,AWD):
awd
From Albert Camus's shop
Retailer ID: 3648107

There are 1 cars in stock:

|CarCode| ⇒ UD442670 ☆ |CarName| ⇒ Proton X70 ☆ |CarType| ⇒ AWD ☆ |NumSeats| ⇒ 5 ☆ |Car Power| ⇒ 130 kW ☆ |CarWeight| ⇒ 1635
```

Sub-menu option 3 would need user to input either FWD or AWD or RWD

5

```
Which service would you like?
3
Please input the relevant Retailer ID followed by the Car Code you would like to order in the following format
({Retailer ID}_space_{Car Code}):
3212463 GN721371
Sorry, Albert Camus's shop is close!
```

From Main Menu, press option 3 to place order. User will be prompt to input the retailer id and car code. The format should be {retailer_id}_space_{car_code}. Ex: 7654321 AB123456

6

```
Which service would you like?
4
�art•ᴧ•^ᴧ See you again! ᴧ•ᴧ•^ᴧ
```

To exit program, press Main Menu option 4

Resources Used For Assignment

- My First Assignment: ██████████████

- Week 07, Additional Weekly Resources, Student Information System: https://lms.monash.edu/course/view.php?id=164563&section=11

- How to create a banking system using Object Oriented Programming in python for beginners, YouTube: https://www.youtube.com/watch?v=xTh-ln2XhgU&ab_channel=johangodinho

- Corey Schafer OOP Tutorials Playlist, YouTube: https://www.youtube.com/watch?v=ZDa-Z5JzLYM&list=PL-osiE80TeTsqhIuOqKhwlXsIBIdSeYtc

- Python Programming Project For Beginners | Car Rental System | With Detailed Explanation(Playlist), YouTube: https://www.youtube.com/watch?v=s0IQT-RJwvc&list=PLFaW8Y0ZsYlm1Rq2aY0RWzGK5OQDiDFMu&index=6&ab_channel=Let%27sPlayXiangQi

- Python | Program to convert String to a List : https://www.geeksforgeeks.org/python-program-convert-string-list/

- Python | Get key from value in Dictionary : https://www.geeksforgeeks.org/python-get-key-from-value-in-dictionary/

- How to Read from a text .txt file in Python! Pulling in data and filtering and modifying the info!, YouTube : https://www.youtube.com/watch?v=DCaKj3eIrro&t=398s&ab_channel=LeMasterTech

- Python Exceptions: https://www.programiz.com/python-programming/exceptions

- Python | random.sample() function : https://www.geeksforgeeks.org/python-random-sample-function/

- Python | time.localtime() method : https://www.geeksforgeeks.org/python-time-localtime-method/

- time.strftime() function in Python : https://www.geeksforgeeks.org/time-strftime-function-in-python/