John Fraser 10364555

Note on programs for B8IT105 (Programming for Big Data) – CA3

I produced these programs by creating the 4 types as requested. I note the program seems to generate unique identity numbers for each car and reads these into a relevant list.

Similarly, on renting, the design chosen results in these numbers being transferred into a separate “rent list”. Also, name of customer is requested and entered into a customer list.

To be used, the programs must be left permanently open! To work properly, I would have had to create separate files (.csv or .txt etc.), but I have run out of time (as of Sunday night – would still take too much time to justify, despite subsequent extension of submission deadline).

Initial submission on Sunday night did not contain final statement “Sorry, nothing to rent, please try again later” when all stock rented out; this has been included in final version.

I did not try to go into colour or makes of car – no time!

Also, it is not clear how “get” or “set” methods could be used or applicable here?

General – I have included instructions to print in certain places (e.g. listings of stock in the case of renting diesel cars and, for all types, lists of rented cars and customers). These are included for convenience of user and examiner, but probably would not be printed in an application meant for use by a member of the public – I envisage this being used by a rental company operator however.

It was not clear to me what a testsuite could usefully check, but I set it up to check that the car in-stock lists, rented lists and customer lists are working properly given certain input. Hopefully, this was the intention of the question.