Please run 'run.py' to run the Urcar system.

This system will automatically generate the proper and personalized car purchase plan according to the input of customer.

The system mainly consists of 7 python files for process and a cardetail.xls as static car database. (The other four csv are used to storage the input of customer and the output of car detail information).

run.py:

directly run the Urcar system

application.py:

GUI for customer's input and store the input information for process

result.py:

GUI for the car purchase plan output, which have the modification function

inputprocess.py:

transform the input information (car database (dataframe form) and the customers' input) into different class and subclasses, including customer basic information, requirements (sub-class: car, maintenance and insurance specific requirements) and preferences(sub-class: extra functions and extra requirements)

car.py:

do the car purchase plan design (car component design) procedure

aimp.py:

do the car purchase plan design (Accessories\_Insurance\_Maintenance\_Payment 4 components design) procedure

struc4carandplan.py:

transform the car information and car purchase plan into standard class form for clearer output

buildCarKnowledgeBase.py:

build the car information knowledge base from web crawler

Because of the limitation of database, some input may not have a proper result. In this situation, the system will show "No result" in the part of car information and accessories plan but still show possible plan in "Insurance plan " "maintenance program" and "way of payment".

The following pictures are the example of input which can get all the result.

Please check the code for more details.





