

Design of display buyer without duplication.

Main idea:

Currently in my main menu, there is three option which is:

- 1) Add Bid - Ask user to choose car and input the buyer details and bid price.
- 2) Select car and print bid - Ask user to choose from a list of car and the program will print out the bid history.
- 3) Exit Program

In order to improve the design of buyer detail. I will add two option to my main menu which are add buyer and show buyer. When user select add buyer, the program will ask user to input their given name and family name. After user done input their information, the program will print out their unique ID. The unique id will not be repeated. And now when I pressed on the add bid selection, the program will ask user to enter their unique ID and start to bid the car. Finally, when show car is selected, all the buyer detail will be shown without any duplication.

I will explain how can I do that in next page.

Pseudocode

- 1) Create ArrayList<Buyer> buyer
- 2) In mainmenu add two more choices:
 - add buyer
 - display buyer
- 3) In add buyer:
 - Input for givenName and familyName
 - generate the unique and random ID
 - print the unique ID
 - Store the object into buyer (ArrayList)
- 4) In display buyer:
 - Print the table of buyer
- 5) In mainmenu method:
 - remove existing program that require user to enter buyer detail.
 - Add input for buyer ID
 - Retrieve the buyer object from arraylist buyer and store it into buyer object and pass the buyer object to bid