

Documentation:

See JavaDoc file in CarConfiguration/doc/

Explanation of Test Run:

Run Thread 1, call `edit1.EditOptionPrice("Focus Wagon ZTW", "Brakes/Traction Control", "ABS", 800);`
Modify the "Focus Wagon ZTW", "Brakes/Traction Control", "ABS" 's price from 400 to 800
lock, synchronized and Count the thread for 6 loop, then release the lock to another thread

Run Thread 4, call `edit4.EditOptionSetName("Focus Wagon ZTW", "Color", "Focus Car Color")`
Modify the "Focus Wagon ZTW", "Color" to "Focus Car Color"
lock, synchronized and Count the thread for 6 loop, then release the lock to another thread
Since the first iteration in the loop change the optionSet name, the later ones print "Cannot find the Option Set", and cannot change the optionSet "Focus Car Color" is reasonable

Run Thread 3, call `edit3.EditOptionSetName("Focus Wagon ZTW", "Color", "Car Color")`
Modify the "Focus Wagon ZTW", "Color" to "Focus Car Color"
lock, synchronized and Count the thread for 6 loop, then release the lock to another thread
Since the first iteration in the loop of Thread 4 change the optionSet name, the later ones print "Cannot find the Option Set"
And cannot change the optionSet "Focus Car Color" is reasonable

Run Thread 2, call `edit2.EditOptionPrice("Focus Wagon ZTW", "Brakes/Traction Control", "ABS", 600);`
Modify the "Focus Wagon ZTW", "Brakes/Traction Control", "ABS" 's price from 800 to 600
lock, synchronized and Count the thread for 6 loop, then release the lock to another thread