*Money Saving Option*

The money saving option can be activated by a user before starting the ride. If the registered user enables “Money Saving Option”, the user can input a final destination and the system provides information about the Special Safe Area where to leave the car to get a discount. This station is determined to ensure a uniform distribution of cars in the city and depends both on the destination of the user and on the availability of power plugs at the selected stations.

*Pseudo-Code:*

\*user activates Money Saving Option (MSO) and inserts a destination\*

nearbySpecialSafeArea = [ ]

destination = requestMSO.getDestination();

nearbySpecialSafeArea = system.getListNearbySpecial(String destination);

minNumCars = 0

specialSafeAreaSelected = null

for specialSafeArea in nearbySpecialSafeArea:

if( specialSafeArea.getNumberFreePlug > 0)

if(specialSafeArea.getNumberOfCars < minNumCars)

specialSafeAreaSelected = specialSafeArea

requestMSO.setParkArea(SafeArea specialSafeAreaSelected)

return 0