Use Case: Use Money Saving Option

Actors: Registered User  
 Car

Entry Condition: The registered user choose to use the Money Saving Option on the computer.

Flow of Events:

* The registered user inserts the destination.
* The request is sent to the system.
* The system search the nearest plug station, with free plugs, to the destination and calculate the way to reach it.
* The system calculate the faster way to reach the destination from the plugs station walking.
* The system send the complete path (actual position 🡪 station 🡪 destination) to the computer on the car.
* The car notify the plugs station of arrive and the distance to the destination.
* The car asks the agreement of the registered user.
* The registered user start the navigation or refuse the path.

Exit Condition: An answer about the agreement is given to the computer.

Exception:

* If the nearest plugs station is to far (X meters) from the destination, the system will notify the impossibility to use Money Saving Option. The behaviour will be like a path refuse.
* If the GPS doesn’t work the computer will immediately notify the unavailability of the service. The behaviour will be like a path refuse.