Requirements Analysis and Specifications Document



Version 1.0

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**Introduction**

***Description of the given problem***

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Domain assumption:

* GPS always indicates the right position
* The GPS of all the vehicles is always working
* Vehicles are always working, especially during all the ride
* The battery of a vehicle is always sufficiently charged to complete the ride of the user
* A user is always able to pay what he has to pay

Goals:

G1. A person who has the right requirements must be able to register himself to the system

G2. A registered person must be able to authenticate himself to the system

G3. A user must be able to localize the position of the available vehicles

G4. A user must be able to reserve, for a limited interval of time, an available vehicle

G5. A user who has reserved a vehicle, must be able to use it

G6. The system must properly charge customers the cost of used services

G7. The system must properly manage the availability of vehicles