

SCOPE:

We will project myTaxiService, online web page and application for mobile phones, in order to simplify the access of passengers to the service and guarantee a fair management of taxi queues. The system should be able to register all the taxi with their driver as “TAXI drivers” users and visitor as “Passenger” allowing them to perform their actions; “Taxi Drivers” users have to attend a confirmation from the system in order to control the really existence of the person as a taxi driver. Once a user is registered as passenger, he should be able to request a taxi and to reserve it for particular needs. The system should be able to inform the taxi drivers about the requests allowing them to confirm or decline calls. The system also should be able to inform both kind of users of the state of taxi queues. The iteration within passengers and taxi drivers should be managed by a system with notifications as soon as a passenger or a taxi driver perform an action. The system should also be able to manage the taxi locations using gps taxi app signals and form the different taxi queues relative to the different zones.

ACTORS:

- Taxi driver: after a confirmed login, every taxi driver is insert into the taxi queue list of his zone and he is allowed to visualize it. After a correct insertion into a taxi queue, he is also able to receive notifications about passenger calls in order to confirm or decline them. Finally, he is able to receive detailed notifications about taxi reservations.
- Passenger: after a confirmed login, every passenger can see the status of taxi queues and he has the possibility to request a taxi for a ride. He is also able to reserve a taxi for a lounge period time by giving the origin and the destination of the ride but reservation has to occur at least two hours before the ride.
- Visitors: all visitors can see the registration page, which one he can register his-self becoming a passenger, the login form in order to validate his credentials and the status of taxi queues which is public.

GOALS:

- (G1): Sign in into the system.
- (G2): Sign up into the system.
- (G3): Request a taxi.
- (G4): Reserve a taxi.
- (G5): Be notified by the system about the estimated waiting time.
- (G6): Be notified by the system about an incoming passenger call.
- (G7): Be notified by the system about a reservation service.
- (G8): Confirm or decline calls.
- (G9): Allow the taxi driver to inform the system about its availability.
- (G10): View the taxi queues.

- (G11): Send validation to users who have registered as “Taxi driver”
- (G12): Send a summary about credential given during the registration to all the users.