Interpretation Choices:

* “the system confirms the reservation to the user and allocates a taxi to the request 10 minutes before the meeting time with the user.” => the taxi is present at least 10 minutes before the agreed meeting time
* Taxi drivers strikes cause the reservation option is disabled for the strike day

Use case name:

Reserving a ride

Partecipating actors:

* User
* System

Entry condition:

An authenticated user wants to make a reservation for a taxi

Flow of events:

User chooses a time and a date for the reservation and communicates it to the system

The system checks the parameters of the reservation sent by the user

The system confirms the reservation to the user

Exceptions:

* If the system doesn't receive the complete information (at least date and time, starting location, destination) to reserve a ride the user receives a communication detailing the incompleteness error and the reservation process is restarted from the beginning.
* If the date and time received from the user are in the past or less than 2 hours in the future then the user will receive a communication detailing the date error and the reservation process is restarted from the beginning.
* If the user sends as starting location or a destination that aren't real addresses, the reservation process is stopped and restarted, communicating to the user the wrong location error.
* If the user doesn’t show up at the agreed time, the taxi driver will wait for a maximum of 5 minutes then it’s free to accept another request.
* If no taxi is available due to a strike known in advance and in place at the time of the reservation then the user will be warned and prevents him to make a reservation for the strike day

Special Requirements:

* The system must always return some information even if there is an error.
* The system must accept reservations 24 hours a day