Part 2 specs:

A user can reserve a taxi by specifying the origin and the destination of the ride.

The reservation has to occur at least two hours before the ride. In this case, the

system confirms the reservation to the user and allocates a taxi to the request 10

minutes before the meeting time with the user.

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 process to stop

Scenario:

Dominic needs to go to Letty's home tomorrow at 7 pm because he wants to go racing with their friend Brian, so he reserve a taxi by using the mobile app on his internet connected device.

The system confirms the reservation to Dominic

The next day at 6:50 pm the taxi arrives at Dominic's, but Dominic while weightlifting loses track of time and forgets the reservation and at 7:00.

The driver waits until 7:05 then he goes away communicating to the system that Dominic missed the appointment.

Letty, knowing Dominic's love of himself, calls him to check if he's on the way to her home.

Discovering what happened she decided to ask Brian to get to Dominic's at full speed.

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 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 the reservation process is stopped and restarted (Italy only).

Special Requirements:

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