DB Service

+getUser(String username : User usr)

+getTaxi(String taxi\_code : Taxi taxi)

+getAdmin(String admin\_name : Admin admin)

+modifyAdmin(Admin admin : void)

+deleteUser(String username : void)

+deleteTaxi(String taxi\_code : void)

+deleteAdmin(String admin\_name : void)

Queue Service

+removeTaxi(String taxi\_code : Bool confirmation)

When a taxi driver finishes to work asks the system to be removed from the queue. The queue service receives the command and provides to tell the dedicated queue to do so. After that it answers the taxi driver with a confirmation.

Queue Manager

+insertTaxi(String taxi\_code : int queue\_code)

When the queue service decide in which queue place the taxi, the dedicated queue manager receives the taxi code and provides to insert it in the queue. It returns the queue code in which it is inserted

+removeTaxiFromQueue(String taxi\_code : Bool confirmation)

The queue receives from the queue service the request from a taxi to be removed from the queue. The current queue receives his code, removes it, and sends back a confirmation.

User Service

+modifyUser(User usr : void)

+modifyTaxi(Taxi taxidriver : void)

+modifyAdmin(Admin admin : void)

This is the set of methods called by users to modify personal informations. They only need to communicate the intention and the data to the application that will then interact with the database to execute the requested changes.

Notification Center

+pushNotification(Event ev, String event\_type, String message)

This method is used by the notification center to send push notifications to the user device. It receives from the system the event, the event type, and the content of the message that has to be sent, and push it to the device that will manage the message in the proper way.