

view_place : Booking.Free_Taxi : SELECT "TID","PlateNum" FROM taxi_booking.taxi WHERE "isFree" = TRUE;

input ();
output (tid,pn);
action
let
val x = GetTaxiID()
val SOME tid = Int.fromString x
val pn = GetTaxiPlateNum()
in
(tid,pn)
end;

Register
Taxi

input (tid);
output ();
action
let
in
DEREGISTER(tid)
end;

Deregister
Taxi

(tid,pn)

empty

(tid,pn)

empty

Schedule
Garage
Appointment

input (tid,pn);
output ();
action
let
in
SCHEDULE(tid,pn)
end;

(tid,pn)

(tid,pn)

(tid,pn)

(tid,pn)

Free_Taxi

TAXI

Serve
Booking

input (tid);
output ();
action
let
in
RESERVE(tid)
end;

(tid,pn)

Release
Taxi

connectDB("Taxi_Connection",9000)
disconnectDB("Taxi_Connection")

Taxi in
Service

TAXI

(tid,pn)

empty

(tid,pn)

empty

input (tid);
output ();
action
let
in
RELEASE(tid)
end;

colset STRING = string;
colset INT = int;
colset BOOL = bool;
colset TAXI = product INT*STRING;
var pn: STRING;
var tid: INT;