1 Individual Steps and Test Description

1.1 Integration Test case I1

Test case identifier	I1
Test item(s)	Database → AccessManager
Input specification	The Database sends to the AccessManager the data that it has requested by a query or by an INSERT or by an UPDATE.
Output specification	Check if the INSERT and UPDATE have been done correctly, check if the result of the query is what we expect and check if the result is computed correctly by the AccessManager.
Environmental needs	Database data available.

1.2 Integration Test case I2

Test case identifier	I2
Test item(s)	Database → TaxiDriverAreaManager
Input specification	The Database sends to the TaxiDriverAreaManager the data that it has requested by a query or by an INSERT or by an UPDATE.
Output specification	Check if the INSERT and UPDATE have been done correctly, check if the result of the query is what we expect and check if the result is computed correctly by the TaxiDriverAreaManager.
Environmental needs	Database data available.

1.3 Integration Test case I3

Test case identifier	I3
Test item(s)	Database → PassengerAreaManager
Input specification	The Database sends to the PassengerAreaManager the data that it has requested by a query or by an INSERT or by an UPDATE.
Output specification	Check if the INSERT and UPDATE have been done correctly, check if the result of the query is what we expect and check if the result is computed correctly by the PassengerAreaManager.
Environmental needs	Database data available.

1.4 Integration Test case I4

Test case identifier	I4
Test item(s)	Database → RequestManager
Input specification	The Database sends to the RequestManager the data that it has requested by a query or by an INSERT or by an UPDATE.
Output specification	Check if the INSERT and UPDATE have been done correctly, check if the result of the query is what we expect and check if the result is computed correctly by the RequestManager.
Environmental needs	Database data available.

1.5 Integration Test case I5

Test case identifier	I5
Test item(s)	Database → PaymentManager
Input specification	The Database sends to the PaymentManager the data that it has requested by a query or by an INSERT or by an UPDATE.
Output specification	Check if the INSERT and UPDATE have been done correctly, check if the result of the query is what we expect and check if the result is computed correctly by the PaymentManager.
Environmental needs	Database data available.

1.6 Integration Test case I6

Test case identifier	I6T1
Test item(s)	RequestManager → Notification
Input specification	The RequestManager sends to the Notification component all the notifies of a specific Taxi driver.
Output specification	Check if the notifies are of the correct Taxi driver.
Environmental needs	Client driver and I4 succeeded

Test case identifier	I6T2
Test item(s)	TaxiDriverAreaManager → Notification
Input specification	The TaxiDriverAreaManager sends an alert message to the Notification component if a notify is detected.
Output specification	Check if the message is computed correctly by the TaxiDriverAreaManager.
Environmental needs	Client driver and I2 succeeded

1.7 Integration Test case I7

Test case identifier	I7T1
Test item(s)	TaxiDriverAreaManager → TaxiDriverArea
Input specification	The TaxiDriverAreaManager sends to the TaxiDriverArea component the profile information of the Taxi driver requested.
Output specification	Check if the correct information have been sent.
Environmental needs	Client driver and I2 succeeded

Test case identifier	I7T2
Test item(s)	AccessManager → TaxiDriverArea
Input specification	The AccessManager sends to the TaxiDriverArea component the identification data of the Taxi driver logged in.
Output specification	Check if the TaxiDriverArea component has built the profile page of the correct Taxi driver logged in.
Environmental needs	Client driver and I1 succeeded

1.8 Integration Test case I8

Test case identifier	I8
Test item(s)	AccessManager → Access
Input specification	The Access component sends to the AccessManager the data that the client has inserted in the input form of the registration or the log in.
Output specification	Check if the AccessManager computes the inputs correctly.
Environmental needs	I1 succeeded

1.9 Integration Test case I9

Test case identifier	I9
Test item(s)	RequestManager → PaymentManager
Input specification	The PaymentManager sends to the RequestManager the data about how the Passenger wants to pay the ride.
Output specification	Check if the payment method is managed correctly.
Environmental needs	I5 and I4 succeeded

1.10 Integration Test case I10

Test case identifier	I10T1
Test item(s)	RequestManager → MakeReservation
Input specification	The RequestManager searches a taxi for a reservation and it sends to the MakeReservation component the results.
Output specification	Check if the MakeReservation component computes the inputs correctly.
Environmental needs	Client driver and I4 succeeded

Test case identifier	I10T2
Test item(s)	PassengerAreaManager → MakeReservation
Input specification	The PassengerAreaManager sends an alert message to the MakeReservation component when a taxi is found.
Output specification	Check if the MakeReservation component computes the message correctly.
Environmental needs	Client driver and I3 succeeded

1.11   Integration Test case I11

Test case identifier	I11T1
Test item(s)	RequestManager → RequestTaxi
Input specification	The RequestManager searches a taxi for a reservation and it sends to the RequestTaxi component the results.
Output specification	Check if the RequestTaxi component computes the inputs correctly.
Environmental needs	I4 succeeded

Test case identifier	I11T2
Test item(s)	PassengerAreaManager → RequestTaxi
Input specification	The PassengerAreaManager sends an alert message to the RequestTaxi component when a taxi is found.
Output specification	Check if the RequestTaxi component computes the message correctly.
Environmental needs	Client driver I3 succeeded

1.12   Integration Test case I12

Test case identifier	I12T1
Test item(s)	PassengerAreaManager → PassengerArea
Input specification	The PassengerAreaManager sends to the PassengerArea component the profile information of the Passenger requested.
Output specification	Check if the correct information have been sent.
Environmental needs	Client driver and I3 succeeded

Test case identifier	I12T2
Test item(s)	AccessManager → PassengerArea
Input specification	The AccessManager sends to the PassengerArea component the identification data of the Passenger logged in.
Output specification	Check if the PassengerArea component has built the profile page of the correct Passenger logged in.
Environmental needs	Client driver and I1 succeeded

1.13   Integration Test case I13

Test case identifier	I13
Test item(s)	AccessManager → Access
Input specification	The Access component sends to the AccessManager the data that the client has inserted in the input form of the registration or the log in.
Output specification	Check if the AccessManager computes the inputs correctly.
Environmental needs	Client driver and I1 succeeded

1.14   Integration Test case I14

Test case identifier	I14
Test item(s)	PaymentManager → ChoosePaymentMethod
Input specification	The PaymentManager sends to the ChoosePaymentMethod component the data of the Passenger's credit card.
Output specification	Check if the ChoosePaymentMethod component computes the inputs correctly.
Environmental needs	Client driver and I5 succeeded