**Publication of Rides - PR**

* **FR-PR-1:** Authenticated users will be able to publish rides for carpooling.

1. In the drivers main page there will be a button to create a ride once the button is pressed the ride creation page will be displayed.

* **FR-PR-1.1:** They must indicate the place of departure, date and time, number of persons admitted, whether smoking is allowed in the vehicle, destination, and price per seat. They can also include (optional) a textual description with pick-up points along the ride and/or type of vehicle.

1. The ride creation page will contain all the fields needed to create the ride.
2. Once the user fills in all the ride details, the publish ride button will activate and he will be able to publish his ride.
3. The ride then will get stored on the external rides database.

* **FR-PR-1.2:** Optionally, users can indicate whether it is an occasional or recurring ride.

1. For frequent rides drivers must indicate how often they take them and

a date when they estimate to quit taking this ride (maximum 2

months).

* 1. Once the ride is marked as recurring, a button for each day of the week will be shown and the user will be able to select the days of the week he is going to make this ride (we assume that the recurrence of the rides are weekly and that if there are some specific days the user will not make the ride he will cancel those days manually later).
  2. Also, when marked as recurring, a date will be asked to the user indicating when he will stop making the ride.

1. The system will register all the rides configured by the user (a single

ride for sporadic rides, and all possible rides for recurring rides).

* 1. The application will store in the database the ride and will later allow the user to see the rides that he has taken and published.
* **FR-PR-2:** Drivers will be able to change the number of available seats if it does not affect a reserved seat (that is, a seat that has been reserved cannot be removed).

1. In the driver main page he will have to press the list button, then the my rides button.
2. In the my rides page you can access the main details of each ride. When a ride is pressed the ride's complete details are shown, and if the ride is published by that user, he can change the details there and then press the button to save changes.
3. If the changes are valid, a page showing that the changes have been made shows, but if they are not, a n error page is shown.

* **FR-PR-3:** Drivers will be able to modify any information of the ride if no reservation has been made for it. When recurring rides are modified, drivers must indicate whether the modification affects just one specific ride or all rides from the given date on.

1. Following the steps on the previous description the driver can access the ride modification page where if no passenger has reserved his spot, the driver can make any change he wants.
2. Once the change is made, if the ride is recurring, a pop up will show that will ask the driver if the change should be applied to all the rides or just the single one edited.

* **FR-PR-4:** Drivers can cancel rides (they can be completely canceled or, in case they are recurring, just for one day).

1. The user would have to enter in the my rides page, then he would have to enter the details of a ride that he has published, from there a cancel ride button will show, and when it is pressed on a recurring ride, a message asking to apply the cancelation for one ride or for all will show.

* **FR-PR-4.1:** When a ride is canceled, the blocked credits of the passengers are refunded.

1. Once the ride is canceled by the driver, the system will automatically refund the passenger’s credits and the ride will appear on the system as canceled and never done.

* **FR-PR-5:** Drivers will be able to see the rides they have published (both those already made and those that are still pending)

1. In the driver main page he can press the list button that will take him to his rides page.
2. In that page he will find two tabs, past and future rides. By pressing on the one he wants to see he will be able to visualize the past or the future rides he has been on, will be on or published.

* **FR-PR-5.1:** Drivers will be able to enter the code given by passengers on the rides made that have pending payments. If the code entered is correct, the system confirms the journey made by the driver and the passenger (it initiates the transfer of passenger-driver credits, see Payment Management environment).

1. Once the ride time is past, the passengers will be able to see a pop up with a code once they access their current ride.
2. Once the time of the ride is past, the driver will have an option to input the passengers codes to confirm their ride. From the details of the current ride accessed in the rides page, he will find an option that says scan confirmation codes that will allow him to input the passengers codes in the text field and the system will confirm the payment from the passenger to the driver.

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# UFP Details

### **Functional Requirements - FR**

* **FR-PR-1:**

**EI-Publish ride**

DET:

* + User publishing information
  + Publish button
  + Price number input box
  + Seats number input box
  + Comments textbox
  + Slider tab from/to UAM
  + Button to the location page
  + Day, Month and Year number box
  + Recurring slider
  + Car type
  + Smoking filter
  + Weekday for recurrence buttons

FTR:

* + Rider profile
  + User published rides
  + Rides details

Conclusion: The complexity is Medium with 10 DET and 3 FTR

* **FR-PR-2:**

**EI-Modify ride seats**

DET:

* + User publishing information
  + Passengers information
  + Save changes button
  + Cancel button
  + Seats number input box

FTR:

* + Rider profile
  + User published rides
  + Ride details
  + Users passengers profiles

Conclusion: The complexity is Medium with 5 DET and 4 FTR

* **FR-PR-3:**

**EI-Modify ride details**

DET:

* + User publishing information
  + Passengers information
  + Save changes button
  + Cancel button
  + Price number input box
  + Seats number input box
  + Comments textbox
  + Slider tab from/to UAM
  + Button to the location page
  + Day, Month and Year number box
  + Recurring slider
  + Weekday for recurrence buttons
  + Cancel edit button
  + Keep editing button
  + Error message
  + Car type
  + Smoking filter

FTR:

* + Rider profile
  + User published rides
  + Ride details
  + Users passengers profiles

Conclusion: The complexity is Medium with 15 DET and 4 FTR

* **FR-PR-4:**

**EI-Cancel ride**

DET:

* + User publishing information
  + Passengers information
  + Cancel button
  + Cancel ride button
  + Error message

FTR:

* + Rider profile
  + User published rides
  + Ride details
  + Users passengers profiles

Conclusion: The complexity is Medium with 5 DET and 4 FTR

* **FR-PR-5:**

**EO-See published rides**

DET:

* + User publishing information
  + Passengers information
  + Cancel button
  + Cancel ride button
  + Error message

FTR:

* + Rider profile
  + User published rides
  + Ride details
  + Users passengers profiles

Conclusion: The complexity is Medium with 5 DET and 4 FTR

* **FR-PR-5.1:**

**EI-Confirm ride made**

DET:

* + Confirm ride message
  + Ride code input text
  + Ride details

FTR:

* + Rider profile
  + Ride details

Conclusion: The complexity is Medium with 3 DET and 2 FTR

**ILF**

* **ILF-Publish ride**

DET:

* + Publishing user
  + Ride date
  + Ride time
  + Ride price
  + Ride seats
  + Ride Comments
  + Ride destiny
  + Ride origin
  + Ride is recurring
  + Ride recurring days
  + Ride status
  + Ride ID
  + Ride car type
  + Ride smoking filter
  + Ride confirmation codes
  + Ride passenger users

RET:

* + Mandatory subgroup
  + Optional subgroup: Publisher user, ride date, ride origin, ride destiny, ride price, ride time
  + Optional subgroup: ride car type
  + Optional subgroup: ride car type, Ride smoking filter
  + Optional subgroup: Ride date, ride time
  + Optional subgroup: ride price
  + Optional subgroup: ride seats
  + Optional subgroup: ride publishing user, ride passenger users, ride confirmation codes

Conclusion: The complexity is Medium with 16 DET and 8 RET