**Project Context and Presentation**

Urban parking has now become a real problem for motorists who have to face a real urban jungle with incessant tours, sucking cars, verbalizations, vandalism, tickets, etc. **PICKMYCAR** has the will to provide a real solution by allowing motorists to park without any constraints.

To do this, we plan to connect motorists with valet drivers to park their vehicles in the city centre. Thanks to our application and our exclusive network of partner private car parks, we guarantee the safe parking of vehicles between customers and valet vehicles.

The project thus helps to make the city centre attractive and unfutter, reduce our carbon index and improve the daily life of the urban or rural population.

The goal of team **PICKMYCAR** in this HACKATON is to put in a BETA version of the application capable of connecting several users on the principle of geolocation.

**Project Needs and Constraints**

**Functional Requirements**

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| --- | --- |
| Features | Descriptions |
| Connecting | The application must link several user types: the customer (motorist), the Picker (carer/care of). |
| Geolocation | The connection must be based on proximity. When the customer asks for the pick of his vehicle the nearest Picker sent him for the parking of his car. |
| Customer space | The secure customer space is essential for the customer it is the place where he informs his personal information and benefits from his activity follow-up:   * Civil status * Contact information (mail, address, phone) * Car info (brand, model, color, registration) * Order history * Profile photo |
| Picker Space | It is the valet's personal workspace from which he accesses customer requests, his activity report and provide the following information:  Civil status  Contact information (mail, address, phone)  Car info (brand, model, colour, registration)  Order history  Profile photo |
| Maps | The application must be able to indicate and define the route of the partner car park available closest to the valet.  The application must also indicate the length of time the car is supported (recovery and return) to the customer based on the distance.  Area allocation to the valet is called relay points (geographic data manually managed by the administrator and automation of the valet assignment based on traffic density).  Integration and census of numbered partner parking (this feature is by hand of admins. |
| Notation | It is possible for each customer to rate each of the services provided to him (recovery and return of the vehicle). |
| Info | Traffic info (best hours to leave/best route)  Info events (event around) |
| Photos | The valet must take stock of the vehicle's recovery and return for this he must make a 360-degree photo of the vehicle, so the application will have to integrate the camera into a feature state of the place |
| Real time | The valet must validate each step on his app:   * Arrived at the place e recovery * Photo 360° * Taking the vehicle * Parking the vehicle * And the same in the opposite direction when returning   The customer must be able to be informed in real time   * Time to take care of * Parking time and price * Identity of the picker who supports it |
| Steering | Global real-time tracking   * All of the above must be tracked in real time by admins and the ability to store and extract data is essential. |

**Constraints**

The app must be developed for Android and IOS (two versions), submissions and deployment on the app store.

**Expected results**

Creating a functional mock-up and a workable beta version of the app.