We have built this diagram in order to show the main components of our business logic and, at the same time how each component is integrated with the others. In this diagram, we can see the account controller which manages requests about the employees’ or user account, such as registration or modification of credentials), the ride controller which creates, finishes rides and also contributes to visualize the final price. Then there is the car controller that is involved in the management of the physical car system: it manages request about open or close the car or to detect something about the state of the car. The payment controller manages the automatic payments at the end of each rides, communicating with external with Paypal that is our external safe payment system. The reservation controller allows users to reserve and to close the reservation of a car. Finally there is the dispatcher, which is devoted only to forward request coming from users and employees and the most useful component of our system: the list controller. It is used to create generic list of car (such as the car free nearby a user) and to manage the dynamic list of car of the employees.

Now, as we underlined in the integration phase, in our system there are seven main functionalities. According to the relationship between these different functionalities we proceeded in the integration of the components mentioned before. First, there is the payment management which is integrated with the payment gateway. Then the map management functionalities is completely tested thank to the integration of the map gateway and the reservation controller. The notification management is the third functionalities which can be completely test and integrated at the same time with the two mentioned before. At the end of the integration of these three functionalities, our system is completely interfaced with the external word.

The ride management, which involved the integration of the car controller and the ride controller as new components (not yet mentioned) with the payment controller and the notification dispatcher. So, in this case, it can be easy to understand that the three initial sub functionalities are mandatory for the others.

The list management involved the integration of the list controller with the car controller, in order to manage the generation and modification of dynamic lists.

The integration of the components of the reservation management ( reservation controller, notification dispatcher and car controller) allows the system to completely manage a reservation, from his creation to his end, including also the notification to the user, which will receive a mail with the bill of the ride.

Finally the account controller is integrated with the notification dispatcher, enabling users and employees to creates an account and modify their credentials.