# Chapter 1

# Requirements Traceability

This chapter explains how the functional requirements from the Requirements Analysis And Specification Document (RASD) have been designed and described in this Design Document (DD).
Every section of this chapter refers to a functional requirement.

## 1.1 Registration

The section 3.2.3 of the RASD describes the registration functionality. A visitor can register himself to myTaxyService only if he's new to the system, i.e. doesn't exist a user with the same tax code.
In the DD we have satisfied this functional requirement, we have described the sequence of actions in the Sequence Diagram of **??** and represented the user interface to register both via MA and WS in **??**.

## 1.2 Login

The section 3.2.4 of the RASD describes the login functionality. A visitor can login into myTaxyService only if he's registered. In the DD we have satisfied this functional requirement, we have described the sequence of actions in the Sequence Diagram of **??** and represented the user interface to login both via MA and WS in **??**.

## 1.3 Personal Information Management

The section 3.2.5 of the RASD describes the personal information management functionality. A logged user can modify some of his personal information: the e-mail, the password and the city of residence.
In the DD we have satisfied this functional requirement, we have described the sequence of actions in the Sequence Diagram of **??** and represented the user interface to manage personal information both via MA and WS in **??**.

## 1.4 Ask for a Zerotime Ride

The sections 3.2.6 and 3.2.7 of the RASD describe the functionality of asking for a zerotime ride both via MA and via WS. A logged user can ask for a zerotime ride.
In the DD we have satisfied this functional requirement, we have described the sequence of actions in the Sequence Diagram of **??** and represented the user interface to ask for a zerotime ride both via MA and WS in **??**.

## 1.5 Book a Future Ride

The section 3.2.8 of the RASD describes the functionality of booking a future ride both via MA and via WS. A logged user can book a future ride.
In the DD we have satisfied this functional requirement, we have described the sequence of actions in the Sequence Diagram of **??** and represented the user interface to book a future ride both via MA and WS in **??**.

## 1.6 Accept or Deny a Ride

The section 3.2.6 of the RASD also describes within the functionality of the Driver to accept or deny a ride, via MA. A logged driver can accept or deny a request for a ride when he receives it.

In the DD we have satisfied this functional requirement and we have represented the user interface to accept or deny a ride via MA in **??**.

## 1.7 Start Waiting Time

The section 3.2.9 of the RASD describes the functionality of starting the waiting time via MA. A logged driver notifies the system that he's available in an area and waiting for a ride and he is added to the queue of the area.
In the DD we have satisfied this functional requirement, we have described the sequence of actions in the Sequence Diagram of **??** and represented the user interface to start waiting time via MA in **??**.

## 1.8 Work Shifts Management

The section 3.2.10 of the RASD describes the functionality of management of the work shifts via MA. A logged driver can add or delete a work shift in the week days.
In the DD we have satisfied this functional requirement, we have described the sequence of actions in the Sequence Diagram of **??** and represented the user interface to manage the work shifts via MA in **??**.

## 1.9 Check the Reservations

The section 3.2.11 of the RASD describes the functionality of checking the reservations (both zerotime and future rides) both via MA and via WS. A logged user can view the his reservations, modify the date or cancel them.
In the DD we have satisfied this functional requirement, we have described the sequence of actions in the Sequence Diagram of **??** and represented the user interface to check the reservations both via MA and WS in **??**.

## 1.10 Read the Alerts

The section 3.2.12 of the RASD describes the functionality of reading the received alerts both via MA and via WS. A logged user can only view his alerts, he cannot edit them.
In the DD we have satisfied this functional requirement and we have represented the user interface to read the alerts both via MA and WS in **??**.