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| Fontys Hogescholen |
| Test Plan |
| Sioux Parking System |

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Document Change Record

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| 25/10/2020 | 1.0 | Aleksandar Popov | Initial document |
| 25/11/2020 | 2.0 | Aleksandar Georgiev | Added test cases for Appointment CRUD |
| 15/12/2020 | 3.0 | Aleksandar Popov | Added test cases for Driver CRUD and searching |

# Definitions, Acronyms and Abbreviations

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| --- | --- |
| *Term* | *Description* |
| UC | Use case – a specific functionality within the application |
| TC | Test case – there can be multiple test cases per use case. Shows how each use case can be done in different ways and whether it would fail or not. |

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# Introduction

## Document Purpose

The point of this document is to help our team determine if there are any shortcomings, errors and glitches that have been overlooked during development by presenting a test plan to a test user. This type of testing is called Blackbox testing because the user has no knowledge of the code behind the created application. Our test users are hand-picked and have a background in programming and computer science, which would allow them to give us adequate feedback.

## Document Overview

Section 2 presents the final test-cases that the user must go through to complete the test successfully. Each test has an expected result which is supposed to help the user better understand if he/she is doing each task correctly. Some tests have some pre-conditions that need to be completed before starting with the task and others have test data that needs to be used during testing. After completing all the tests, the user is required to fill in a test report in which he must indicate how each, and every task went and give feedback where necessary.

# Test Cases

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *ID* | *UC* | *Name* | *Pre-condition* | *Test Data* | *Expected Result* |
| TC-01 | UC-01 | Create appointment-fail-1 | - | -Driver: **Alex Popov**.  -Date: **today**.  -Time: - | Error message pops up with relevant information about what happened and what should be done. |
| TC-02 | UC-01 | Create appointment-fail-2 | - | -Driver: **Alex Popov**.  -Date: -  -Time: **15:00**. | Error message pops up with relevant information about what happened and what should be done. |
| TC-03 | UC-01 | Create appointment-fail-3 | - | -Driver: -  -Date: **today**.  -Time: **15:00**. | Error message pops up with relevant information about what happened and what should be done. |
| TC-04 | UC-01 | Create appointment | - | -Driver: **Alex Popov**.  -Date: **today**.  -Time: **15:00**. | The appointment is created and visible in the View appointments screen. |
| TC-05 | UC-02 | Create a new driver | -There is no such driver in the driver list. | -Name: **Boko Tikvata**  -Phone number: **+359 878 509 420**  -License plate: **PF 32 RU** | The driver is created and visible in the driver list. |
| TC-06 | UC-02 | Create a new driver-fail | - | -Name: **Boko Tikvata**  -Phone number: **+359 878 509 420**  -License plate: **-** | Error message pops up with relevant information about what happened and what should be done. |
| TC-07 | UC-03 | View appointments | - | - | A list of appointments and details about them is presented. |
| TC-08 | UC-04 | Edit appointment | -Be in the *View Appointments* screen | -Select an **appointment** | A screen which allows you to edit appointments pops up. |
| TC-09 | UC-04 | Edit appointment-fail | -Be in the *View Appointments* screen | - | Error message pops up with relevant information about what happened and what should be done. |
| TC-10 | UC-05 | Change time/date/drivers | -Be in the *Edit Appointments* screen | - Select a **valid time/date/driver** | The change is successful and can be seen in the Appointment details and Appointment overview. |
| TC-11 | UC-05 | Change time/date/drivers -fail | -Be in the *Edit Appointments* screen | -Select **yesterday** as date  OR  -DO not select a new driver  OR  -Select a **past** timeslot. | Error message pops up with relevant information about what happened and what should be done. |
| TC-12 | UC-06 | Filter Appointments by date | -Be in the *View Appointments* screen | Select a date (**21/10/2020**) from the dropdown menu. | Only appointments for that date appear. |
| TC-13 | UC-07 | Search Appointments using a driver’s name | -Be in the *View Appointments* screen | -Name: **Alex Popov** | Only appointments where Alex Popov is the driver appear. |
| TC-14 | UC-08 | Delete Appointment-  success | Be in the *View Appointments* screen | -Select an appointment | A confirmation window appears and you can choose to delete the appointment or not. |
| TC-15 | UC-08 | Delete Appointment-  fail | -Be in the *View Appointments* screen | -Do not select an appointment | Error message pops up with relevant information about what happened and what should be done. |
| TC-16 | UC-09 | Create a new driver- fail | - | -Name:  -Phone number: **+359 878 509 420**  -License plate: **PF 32 RU** | Error message pops up with relevant information about what happened and what should be done. |
| TC-17 | UC-09 | Create a new driver-fail | - | -Name: **Boko Tikvata**  -Phone number:  -License plate: **PF 32 RU** | Error message pops up with relevant information about what happened and what should be done. |
| TC-18 | UC-09 | Create a new driver | - Be in the *Create Driver* screen | -Name: **Boko Tikvata**  -Phone number: **+359 878 509 420**  -License plate: **PF 32 RU** | The driver is added successfully, and the appropriate screen shows up. |
| TC-19 | UC-10 | Edit driver- success | - Be in the *Edit Driver* screen after | - Name: **Boko Tikvenika**  - Phone number: **+31 878 509 420**  -License plate: **TY 76 RU** | Click on the edit button and the driver is edited successfully. |
| TC-20 | UC-10 | Edit driver- fail | - Be in the *Edit Driver* screen after | - Name:  - Phone number: **+31 878 509 420**  -License plate: **TY 76 RU** | Error message pops up with relevant information about what happened and what should be done. |
| TC-21 | UC-11 | Delete driver - success | - Be in the *Create Appointment or Edit Appointment* screen | - Select a driver | Click the delete button. A confirmation window pops up and you can either delete the driver or not. |
| TC-22 | UC-11 | Delete driver - fail | - Be in the *Create Appointment or Edit Appointment* screen | - | Error message pops up with relevant information about what happened and what should be done. |
| TC-23 | UC-12 | Search driver by name | - Be in the *Create Appointment or Edit Appointment* screen | - Tony | Only drivers with names that include “Tony” appear. |