1. Test Plan

1.1. Purpose

This test plan describes the necessary tests for our system.

To proof that our system is delivering the right data, we implement unit tests for each method and class to check our system variables for integrity.

• Test Strategy: Unit -tests

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Not Done now

• Execution Strategy: describes how the test will be performed and process to identify and report defects, and to fix and implement fixes.

• Test Management: process to handle the logistics of the test and all the events that come up during execution (e.g.: communications, escalation procedures, risk and mitigation, team roster)

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Customer´s page system test

T1 – Log in

The user should be able to log into the website and access his information’s.

A user should not be able to access the admin pages.

T2 – Create an account

The user should be able to create an account to access the website.

T3 – View -edit -delete -add account details

Once the user has access to the system, he should be able to view edit add and delete his account details.

View: got access to his personal information´s and bills.

Edit: be able to edit personal information´s.

Add: be able to add a second numberplate.

Delete: be able to delete his account.

T4 – View outstanding payment

The user should be able to see his bills if there is any matching numberplate in the system.

T5 – Sort bills

A user should be able to sort his bills by: Time, Cash

Admin´s page system test

T6 – View all Customers + roles

An admin should manage the user´s role in the system and edit it.

T7 – Charging Records

Should have access to all charging records.

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| **ID** | **Use Case** | **Testing Usage** | **Tested yet** |
| **T1-T2** | **T1-T2**  **Create an Account**  **Log in** | **Manually Tested**  **Check if the User Input got the same format as wanted.**  **Test if a User can be created without any information provided.**  **Test if the Users-Input is correct translated.** |  |
| **T3** | **T3**  **View Account Details**  **Edit Account Detail**  **Delete Account Detail** | **Manually Tested**  **Generate a second Output of all registered Users and their details on the admin dashboard** |  |
| **T4** | **T4**  **View Outstanding Payment** | **Test if numberplates can be matched.**  **Creating a method that returns a Boolean if a numberplate is matched.**  **If the Boolean is True, the User can see his Bills.** |  |
| **T5** | **T5**  **Sorting System for Bills** | **System Tested**  **Check if the Output still has all records in it.** |  |
| **T6** | **T6**  **View all Customers + roles** | **Admin´s page will list all user`s from the system and their roles** |  |
| **T7** | **T7**  **Charging Records** | **Admin should be able to view all Records** |  |

Use Case

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| --- | --- | --- |
| **Use Case** | **Pre-Condition** | **Post-Condition** |
| **Log in** | Fill in User Account Details.  Press log in button. | Access the Website. |
| **Create an Account** | Press „Register Here“ button.  Fill in required Account Data. | Creating an Account. |
| **Edit Account Details** | Click Edit button.  Click what category to change.  Fill in new Details.  Save the Input. | Account details get updated.  User will stay on the Account Details tab |
| **Delete Account Details** | Click Delete button. | Account information´s get deleted.  User will be signed out of the page |
| **Add new Car** | Click add car button.  Fill in Car type + numberplate.  Click save button. | New Car added to the Account.  User will be renavigated to the User Page |
| **View outstanding payment** | Click on the Payment Button. | View all outstanding payments  Default sorted by Time. |
| **Sorting bills** | Click on sorting tab  Choose by time or Amount to pay. | Sorted Payments list. |

2. TEST MANAGEMENT PROCESS