**To be Added in Use case Description:**

**USE CASE UC2: REGISTER VEHICLE**

**Primary Actors**: Staff

**Stakeholders:**

* Staff: wants to register accurate details of the vehicle.
* Vehicle owner: wants to register his/her vehicles.

**Precondition**: Staff is identified and authenticated. Vehicle details are entered into the system.

**Postcondition**: New vehicle is registered.

**Basic Flow:**

* Staff logs in the system.

**USE CASE UC3: RECORD OWNER**

**Primary Actors**: Staff

**Stakeholders:**

* Staff: wants to register the accurate details of the owner.
* Vehicle owner: wants to give the his/her details.

**Precondition**: Staff is identified and authenticated. Owner details are recorded into the system.

**Postcondition**: Owner is Registered.

**Future Research And Recommendation:**

We have planned to overcome the limitation and also include some additional features for the better access. To Further enhance the capability of this application, we recommend the following features to be incorporated into the system.

-Transfer of Ownership.

-Registration of all types of the vehicle (such as bus, heavy vehicles, government-owned vehicles etc ….) so that the system will be use in different platform.

-Provide better user interface for the staff.

-issuing the vehicle registration card.

**TEST CASES:**

|  |  |  |  |
| --- | --- | --- | --- |
| TEST CASE ID | PURPOSE | TEST CASES | RESULT |
| TC1 | Authentication | AdminID/StaffID empty | Id cannot be left Empty |
| TC2 | Authentication | Password field left Empty | Password Cannot be left Empty |
| TC3 | Authentication | Incorrect Id or password | Invalid Id or password |
| TC4 | Validation | StaffID/AdminID format | Use for 4 alphabet first and 4 digits at last |

Fig: Test Cases for Admin and staff Login.

|  |  |  |  |
| --- | --- | --- | --- |
| TEST CASE ID | PURPOSE | TEST CASES | RESULT |
| TC1 | Registration of owner | Empty Information Field | Field with Red \* cannot be left Blank |
| TC2 | Validation | Owner name field | Number are invalid in name field |
| TC3 | Validation | Date field | Choose date below 2000 AD |
| TC4 | Validation | Age field | Age should be over 18 |
| TC5 | Validation | Citizenship no Field | Invalid alphabet and use correct format |
| TC6 | Validation | Contact\_no field | Invalid alphabet and use only 10 digits |
| TC7 | Validation | Email field | Invalid Email format |

Fig: Test cases for the Owner Registration

|  |  |  |  |
| --- | --- | --- | --- |
| TEST CASE ID | PURPOSE | TEST CASES | RESULT |
| TC1 | Registration of Vehicle | Empty Information Field | Field with Red \* cannot be left blank |
| TC2 | Validation | Vehicle\_no field | Vehicle number must match format |
| TC3 | Validation | Model\_no field | Use Only Number |
| TC4 | Validation | Displacemet/cc field | Use only Number |
| TC5 | Validation | Maximum power field | Use Only Number |
| TC6 | Validation | Maximun Torque field | Use Only Number |
| TC7 | Validation | No of Seats Field | Should be selected as per the vehicle. |
| TC8 | Validation | Tank Capacity Field | Fill Valid tank capacity |

Fig: Test cases for the Vehicle Registration.

|  |  |  |  |
| --- | --- | --- | --- |
| TEST CASE ID | PURPOSE | TEST CASES | RESULT |
| TC1 | To add Staff | Empty Information Field | Filed cannot be left Empty |
| TC2 | Validation | StaffID Field | StaffID should contain 4 alphabet and 4 number at last |
| TC3 | Validation | Email Field | Enter correct Email format |
| TC4 | Validation | Contact no field | Use 10 digits number only or Invalid |

Fig: Test cases for the Add Staff.