**CNG Tuning and Kit Conversion Management System**

**Author (s): MUHAMMAD UNAIS Date: 09-05-2019**

**Version: 1.00**

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| **USE CASE NAME:** | REPAIR VEHICLE | | **USE CASE TYPE** |
| **USE CASE ID:** | VR004 | | Business Requirements: **🞏** |
| **PRIORITY:** | HIGH | | System Analysis: 🗹 |
| **SOURCE:** |  | |  |
| **PRIMARY BUSINESS ACTOR** | CUSTOMER | | |
| **PRIMARY SYSTEM ACTOR** | CUSTOMER | | |
| **OTHER PARTICIPATING ACTORS:** | * OWNER * SERVICE EMPLOYEE | | |
| **OTHER INTERESTED STAKEHOLDERS:** |  | | |
| **DESCRIPTION:** | The use case describe the event when the customer arrives at the shop for repairing of the vehicle he wishes to check the problem of his vehicle or the customer describe the issue’s faced by him. Once the problem of the customer solved and he will be given invoice bill in which there is a bill no, date and his vehicle no and the price of the item which he has pay to the Owner by completion of service. | | |
| **PRE-CONDITION:** | The customer must bring his car and there is a problem. | | |
| **TRIGGER:** | This use case is initiated when there is a problem in his Vehicle. | | |
| **TYPICAL COURSE** | Actor Action | System Response | |
| **OF EVENTS:** | **Step 1**: The customer bring his vehicle for the repairing. | **Step 2**: The system responds by taking the information of Vehicle and his Model. | |
|  | **Step 3:** The Customer Define his issue related to his vehicle. | **Step 4:** The System Verifies the issue of the Customer and then gives the service employee services. | |
|  | **Step 5:** The Customer viewing the service of the employee and if any parts of the vehicle not working the service employee then goes to the shop and avail it. | **Step 6:** The System then add the item to the invoice bill and service of the employee then generated bill given to the customer. | |
|  | **Step 7:** The Customer pay the invoice bill payment through Cash. | **Step 8:** The system records the information of the Vehicle No, Model, Bill No, Date item and service of customer with amount. | |
| **ALTERNATE COURSES:** | **Alt Step 1: If** the customer will not bring his vehicle but he ask for the charges of repairing of the vehicle. | | |
|  | **Alt Step 3: If** the Customer does not know his issue of his car. | | |
| **CONCLUSION:** | The use case concludes when repairing service is provided to the customer. | | |
| **POST-CONDITION:** | The Customers record is save to the system as in step 08. | | |
| **BUSINESS RULES** | * Customer must have issue or he has to maintain the vehicles condition good. | | |
| **IMPLEMENTATION CONTRAINTS AND SPECIFICATIONS** | * The Use Case is available when the shop is open. * It is estimated that these use case is avail 25 times max a day | | |
| **ASSUMPTIONS:** | * If all service employee not available the customer has to return back. | | |
| **OPEN ISSUES:** | None | | |