**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:** | Purchase spare parts | | **USE CASE TYPE** |
| **USE CASE ID:** | PAS003 | | Business Requirements: **🞏** |
| **PRIORITY:** | HIGH | | System Analysis: 🗹 |
| **SOURCE:** |  | |  |
| **PRIMARY BUSINESS ACTOR** | CUSTOMER | | |
| **PRIMARY SYSTEM ACTOR** | CUSTOMER | | |
| **OTHER PARTICIPATING ACTORS:** | * OWNER | | |
| **OTHER INTERESTED STAKEHOLDERS:** | * SERVICE EMPLOYEE (In case if their owner is not available the service employee serves the customer) | | |
| **DESCRIPTION:** | The use case describes the event when the customer arrives at the shop for Purchasing of spare parts he wishes for spare of parts of vehicle and the customer describe the issue’s faced by him. Once the Customer problem is 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 spare parts which he purchases has pay to the Owner. | | |
| **PRE-CONDITION:** | The Customer has to buy the spare parts. | | |
| **TRIGGER:** | This uses case is initiated when there need to buy the spare parts. | | |
| **TYPICAL COURSE** | Actor Action | System Response | |
| **OF EVENTS:** | **Step 1**: Customer arrives to the shop for the purchase of spare parts. | **Step 2**: The system responds by taking the information of Vehicle and his Model. | |
|  | **Step 3:** The Customer Define the parts which he needs. | **Step 4:** The System Verifies Stock and provide the Customer by giving the describe parts. | |
|  | **Step 5:** The Customer ask for the discount or he bargains. | **Step 6:** The System then add the spare parts then generated invoice bill which 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 Model, bill no, date item and Name of the customer. | |
| **ALTERNATE COURSES:** | **Alt Step 1: If** the customer came but ask for the prices of spare parts given by the shop. | | |
|  | **Alt Step 3:If** the Customer does not able to define the parts which are needed as a result he will not able to buy the spare parts. | | |
|  | **Alt Step 4:** The System does not have the availability of the require parts. | | |
| **CONCLUSION:** | The use case concludes when spare parts for the Vehicle is provided to the customer. | | |
| **POST-CONDITION:** | The Customers record is saved to the system. | | |
| **BUSINESS RULES** | * Customer have the need to buy the spare part. * There is no bargaining. * There is a limit of discount. | | |
| **IMPLEMENTATION CONTRAINTS AND SPECIFICATIONS** | * The Use Case is available when the shop is open.   It is estimated that these use cases are avail 40 times max a day. | | |
| **ASSUMPTIONS:** | If all spare parts are not available the customer has to return back. | | |
| **OPEN ISSUES:** | None | | |