**CNG Tuning and Kit Conversion Management System**

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**Version: 1.00**

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| **USE CASE NAME:** | TUNNING SERVICE | | **USE CASE TYPE** |
| **USE CASE ID:** | TS001 | | 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 describes the event when the customer arrives at the shop for tuning service, he wishes to check the problem of his vehicle CNG kit and the customer describe the issue’s faced by him. Once the tuning service is completed 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 the CNG kit is present. | | |
| **TRIGGER:** | This use case is initiated when there is a problem in his car. | | |
| **TYPICAL COURSE** | Actor Action | System Response | |
| **OF EVENTS:** | **Step 1**: The customer brings his vehicle tuning service. | **Step 2**: The system responds by taking the information of Vehicle and his Model. | |
|  | **Step 3:** The Customer Define his issue related to CNG kit. | **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 for tuning service and but he asks for the services given by the shop. | | |
|  | **Alt Step 3: If** the Customer does not know his issue related to CNG kit | | |
| **CONCLUSION:** | The use case concludes when the customer provided the tuning service. | | |
| **POST-CONDITION:** | The Customers record is saved to the system. | | |
| **BUSINESS RULES** | * Customer must have issue or he has to maintain the CNG cylinders Health. | | |
| **IMPLEMENTATION CONTRAINTS AND SPECIFICATIONS** | * The Use Case is available when the shop is open. * It is estimated that these use cases are avail 20 times max a day. | | |
| **ASSUMPTIONS:** | * If all service employee not available the customer has to return back. | | |
| **OPEN ISSUES:** | None | | |