**CNG Tuning and Kit Conversion Management System**

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**Version: 1.00**

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| **USE CASE NAME:** | KIT FITTING | | **USE CASE TYPE** |
| **USE CASE ID:** | KF002 | | 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 kit fittings, he wishes to install the CNG kit in his vehicle. Once the CNG kit fitted 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 kit which he has pay to the Owner by completion of service. | | |
| **PRE-CONDITION:** | The customer must bring his car. | | |
| **TRIGGER:** | This use case is initiated when there is a no CNG kit in his car. | | |
| **TYPICAL COURSE** | Actor Action | System Response | |
| **OF EVENTS:** | **Step 1**: The customer brings his vehicle for the fitting of CNG kit. | **Step 2**: The system responds by taking the information of Vehicle and his Model. | |
|  | **Step 3:** The Customer Demand to install the CNG kit. | **Step 4:** The System will provide the Customer service employee for the fitting of kit. | |
|  | **Step 5:** The Customer viewing the service of the employee and service employee then goes to the shop and avail the Kit which has to install in the car. | **Step 6:** The System then add the kit price 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 asks for the prices of services charge by the shop. | | |
|  | **Alt Step 3: If** the Customer does not demand to CNG kit but he has to check his kit for the maintains of his vehicle. | | |
| **CONCLUSION:** | The use case concludes when the CNG kit in the Vehicle of the customer. | | |
| **POST-CONDITION:** | The Customers record is saved to the system. | | |
| **BUSINESS RULES** | Customer must have CNG cylinders so that the Kit can be install. | | |
| **IMPLEMENTATION CONTRAINTS AND SPECIFICATIONS** | * The Use Case is available when the shop is open. * It is estimated that these use cases are avail 10+ times max a day. | | |
| **ASSUMPTIONS:** | If all service employee or Kit not available the customer has to return back. | | |
| **OPEN ISSUES:** | None | | |