**CNG Tuning and Kit Conversion Management System**

**Author (s): SHOAIB AHMED Date: 09-05-2019**

**Version: 1.00**

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| **USE CASE NAME:** | PURCHASE ITEM & SERVICE | | **USE CASE TYPE** |
| **USE CASE ID:** | PI-018 | | Business Requirements: **🞏** |
| **PRIORITY:** | HIGH | | System Analysis: 🞏 |
| **SOURCE:** |  | | System Design: 🗹 |
| **PRIMARY BUSINESS ACTOR** | CUSTOMER | | |
| **PRIMARY SYSTEM ACTOR** | OWNER | | |
| **OTHER PARTICIPATING ACTORS:** | * OWNER | | |
| **OTHER INTERESTED STAKEHOLDERS:** |  | | |
| **DESCRIPTION:** | The use case describes the event when the Customer arrives at the shop for purchase some items not using the services. Once the purchasing is completed and he will be given invoice bill in which there is a bill no, date and the price of the item which he has pay to the Owner by completion of a purchase. | | |
| **PRE-CONDITION:** | The customer has to buy the items he needs it. | | |
| **TRIGGER:** | This use case is initiated when retailer require to purchase some item. | | |
| **TYPICAL COURSE** | Actor Action | System Response | |
| **OF EVENTS:** | **Step 1**: The owner selects the customer through combo box and select the items, service and fill the quantity of items in the purchase item info interface. Then clicks the save button. | **Step 2**: The system respond by loading all information of customer and item and show all the purchasing detail in grid box record in the database. | |
|  | **Step 3:** Then owner clicks the next button then opens invoice bill info then he selects the customer then fill invoice bill no with date and net amount then select the status by radio button the click save button. | **Step 4:** The system respond by record the information in database and show in the grid and invoice bill box. | |
|  | **Step 5:** Then owner clicks the next button then open invoice payment then he selects the customer and fill date, invoice bill no, status of bill and payment and amount received then click the add payment. | **Step 6:** The system load the total amount and balance in their respective box and show all necessary information into the grid box. | |
| **ALTERNATE COURSES:** | **Alt Step 1:** If customer not in the combo box then owner click new customer then add the customer in customer registration interface. Also update, delete, search and get the list the customer there. | | |
|  | **Alt Step 1:** If owner want to search the customer info by enter name into search textbox. | | |
|  | **Alt Step 3:** If owner want to search the customer bill info by enter name into search textbox. | | |
|  | **Alt Step 5:** If owner want to delete a payment the fill the id in textbox the clicks delete. Also owner update the payment of the customer by click update button. | | |
| **CONCLUSION:** | The use case concludes when the customer gets the items he needs. | | |
| **POST-CONDITION:** | The purchasing record is saved to the system software. | | |
| **BUSINESS RULES** | * Customer have the need to buy the items. * 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 15 to 20 times max a day. | | |
| **ASSUMPTIONS:** | * If all purchase items are not available customer has to return back. | | |
| **OPEN ISSUES:** | None | | |