**Vehicle Service Station**

* Types of Charges
  + Maintenance/Repairing
    - Repair Parts + Labor Charges
    - Replace Parts + Labor Charges
    - Labor Charges
  + Engine/Gear Oil Change
    - Engine oil fixed charge as per oil Servo4T, Castrol, etc.
    - Other oils fixed charge
* Bill
  + Service Station Name
  + Customer Name
  + Vehicle Details
    - Vehicle No
    - All Issues
      * Solved
      * Unsolved
  + Service Date
  + Maintenance Charges I.e. Labor charges
  + Each Spare Part costing
    - Part
    - price
  + Oil/additive prices
    - Oil
    - price
  + Total Bill amount +12.6% = Final amount
  + Paid Amount, Balance Amount

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Id | Name | Mobile No 1 | Mobile No 2 | Address | License No | Last date of Repair | Expected next date of repair |

**Customer**

**Vehicle**

|  |  |  |  |
| --- | --- | --- | --- |
| Vehicle No | Customer Id | Vehicle Manufacturer | Model |

**Service Request**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Service id (bill no) | date | Customer id | Vehicle no | Issues | Expected Amount | Paid Amount | Balance |

* Customer (hash set)
  + Id
  + Name
  + Mobile no 1
  + Mobile no 2
  + Address
  + License no
  + Last date of repair
  + Expected next date of repair=last date +3 months
  + balance
* Vehicle (hashmap)
  + Vehicle no
  + Customer id
  + Manufacturer
  + model
* Service Request/Bill (linkedlist)
  + Service id/bill no
  + Date
  + Customer id
  + Vehicle no
  + Issues
  + status
  + Expected amount
  + Paid amount
* Services (Singleton class) (Service station name)
  + Maintenance
    - Engine oil fixed charge as per oil Servo4T, Castrol, etc.
    - Other oils fixed charge
  + Repairing
    - Repair Parts + Labor Charges
    - Replace Parts + Labor Charges
    - Labor Charges

Menu

* New Servicing Request
  + New Customer
  + Existing Customer
* Business
  + Todays
  + Given Day’s