# Task List and WorkFlow for Fuel System

1. Desktop system at every fuel system
2. 2 type of user will use this application
   1. Admin
      1. Check report
      2. Add/Edit/Delete customer
   2. Operator
      1. Customer identification
      2. Filling up the fuel detail taken by customer
3. 2 type of customer are possible
   1. Key customer
   2. Driver
4. Each customer has profile which contains basic information
   1. Only admin can edit that information
5. Each driver has linking to key customer
6. Each driver has per day or per month limitation for fuel consumption
7. When driver comes to fuel station he has to scan his finger. After scanning finger popup box will come to enter unique code. On basis of unique code and finger print scanning information will display to operator about driver (driver’s profile, linked key customer’s name, driver’s per day/per month limitation to the operator)
8. If limit is exceed message will show to operator
9. If limit does not reach then operator will allow to fill fuel. Operator will enter amount and volume of fuel
10. Operator will enter fuel and money detail. Driver then scan finger for verification. This finger scan is for data approval from driver.
11. Code detail is only visible to Admin not to Operator
12. We have 2 payment type for customer
    1. Credit customer
       1. Credit will be fixed for month, so user will not fell fuel above his limit
    2. Cash customer
       1. User can deposit amount in his account and Driver can only feel fuel until that amount
       2. For example user can deposit 10000 rs in his account then Driver can feel fuel until 10000 rs after that he has to recharge his account again
13. Admin will add amount received for driver and key customers
14. We have 2 type of fuel. Petrol and Diesel
15. Limitation is only based on rs
16. Basic reports for Admin
    1. Fuel taken by Key customer per day and per month and per year
    2. Fuel taken by Driver per day, month and year

# Database Entity

1. Fuel Station
   1. Id
   2. Code
   3. Name
   4. Address
   5. PinCode
   6. City
   7. State
   8. Country
2. Fuel Type
   1. Id
   2. Name
3. User
   1. Id
   2. Code
   3. UserType
   4. Name
   5. Address
   6. PinCode
   7. City
   8. State
   9. Country
   10. ContactNo
4. UserType
   1. Id
   2. Name
5. Customer
   1. Id
   2. Code
   3. CustomerType
   4. KeyCustomerId
   5. Name
   6. Address
   7. PinCode
   8. City
   9. State
   10. Country
   11. PaymentType
   12. Fuel LimitType
   13. FuelLimit
6. CustomerType
   1. Id
   2. Name
7. PaymentType
   1. Id
   2. Name
8. FuelLimitType
   1. Id
   2. Name
9. FuelHistory
   1. Id
   2. Date/Time
   3. FuelStationId
   4. CustomerId
   5. UserId
   6. FuelAmount
   7. FuelVolume
   8. FuelType

**Note:-**

1. **Create Index on FuelHistory**
   1. **CustomerId**
   2. **UserId**
   3. **FuelStationId**