# Service Request SR-ht-03: Change Request 2

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The Huffman Trucking requires a database for their fleet truck maintenance department. This will use the requirements for entities and attributes in the document created by Smith Systems Consulting. This document will describe the process for using those entities and attributes in creating the required database.

## Entities

The entities required for this database are the following:

* Parts inventory purchase
* Parts inventory issues
* Parts catalogue
* Vendors
* Parts purchasing history
* Vehicle maintenance
* Tire maintenance
* Maintenance descriptions
* Vehicle types
* Vehicles
* Maintenance work order

## Attributes

The attributes required for each entity are as follows:

* Parts inventory purchase
  + Transaction ID
  + Purchase Date
  + Purchase Price
  + Quantity
* Parts inventory issues
  + Transaction ID
  + Issue date
  + Purchase Date
  + Quantity
* Parts Catalogue
  + ID
  + Description
  + Type
  + Manufacturer
  + Quantity On Hand
  + Recorder Point
  + Recorder Quality
* Vendors
  + Vendor ID
  + Name
  + Order address
  + Order Contact
  + Order Phone Number
  + Order Fax Number
  + Billing Address
  + Billing Contact
  + Billing Phone Number
  + Billing Fax Number
* Parts Purchasing History
  + Transaction ID
  + Catalogue ID
  + Quantity Purchased
  + Manufacturer ID
  + Order Quantity
  + Price
  + Shipping
  + Tax
  + FOB
* Vehicle Maintenance
  + Vehicle Serial Number
  + Vehicle Part Id
  + Maintenance Type ID
  + Put in Service Date
  + Last Maintenance Date
  + Next Scheduled Maintenance Date
  + Under Warranty Flag
* Tire Maintenance
  + Barcode
  + Type
  + Vehicle Type
  + Manufacturer ID
  + Put in Service Date
  + Rotation Schedule
  + Last Rotated
  + Disposal Date
* Maintenance Descriptions
  + Maintenance Type ID
  + Level Code
  + Description
  + Average Hours Required
  + Days Between Recommended Maintenance
  + Maximum Days Between Maintenance
* Vehicle Types
  + Type ID
  + Description
* Vehicles
  + VIN
  + Type ID
  + Class Code
  + Put into service Date
  + Gross Weight
  + Mileage
  + Purchase Price
  + Accumulated Depreciation
  + Taken out of Service Date
  + Capacity

* Maintenance Work Order
  + Work Order ID
  + Vehicle
  + Part ID
  + Maintenance Type ID
  + Assignment TO
  + Date Started
  + Date Completed
  + Hours