**Business Logic Constraints**:

**Vehicles**:

* Model years cannot exceed the current year plus one.
* Year entered must include century digits.

**Data Types:**

**Vehicles:**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Data Type** | **Nullable** |
| Year | Integer | Not Null |
| Model Name | String | Not Null |
| Invoice price-Dollar  Invoice price-Cent | Int  Int | Not Null |
| VIN | String | Not Null |
| Color | List<Strings> | Not Null |

**(TO DO-keep invoice price separate or as one?) (Int or float?) (Cents can be null?)**

**Manufacturer:**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Data Type** | **Nullable** |
| Manufacturer Name | String | Not Null |

**Car:**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Data Type** | **Nullable** |
| Number Of doors | Int | Not Null |

**Convertible:**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Data Type** | **Nullable** |
| Roof Type | String |  |
| Back Seat Count | Int | Not Null |

**Truck:**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Data Type** | **Nullable** |
| Cargo Capacity | Int | Not Null |
| Cargo Cover Type |  | Null |
| Number Of Axles | Int | Not Null |

**Van/Mini Van:**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Data Type** | **Nullable** |
| Has Driver Back Door |  |  |

**SUV:**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Data Type** | **Nullable** |
| Drivetrain | String | Not Null |
| Cupholders | Int |  |