**Phase 1 Report**

CS 6400-Fall 2021

**Team 008**

**Table of Contents:**

**Jaunty Jalopies auto dealership Data Types**

**Data Types**

**Jaunty Jalopies auto dealership Constraints**

**Business Logic Constraints**

**Task Decomposition with Abstract Code**

**Search Screen**

**Login**

**Add Vehicle**

**View New Vehicle**

**Data types:**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Data type** | **Nullable** |
| Email | String | null |
| Phone | string | Not null |
| Street Address | String | Not null |
| City | String | Not null |
| State | String | Not null |
| Postal code | String | Not null |

**CUSTOMER**

**INDIVIDUAL CUSTOMER**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Data type** | **Nullable** |
| First name | String | Not null |
| Last name | String | Not null |
| Driver’s license number | Integer | Not null |

**BUSINESS**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Data type** | **Nullable** |
| TIN | Integer | Not null |
| Business name | String | Not null |
| Primary\_name | String | Not null |
| Primary\_title | String | Not null |

**Business Logic constraints:**

**Ronald Around (Owner)**

Only Ronald Around (Owner) can enter sold prices that are less than or equal to 95% of the invoice price.

Only Ronald Around (Owner) can update the labor charges on a repair to a value less than their previous value.