**Functions/Statements**

**Action/Use Case Description**

**Key:**

We Will use one of these for each use case before importing into our ETRANSPORTATION\_MARKETPLACE\_DB\_FOR\_IMPORT Hierarchy Sheet

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Variable Name** | **Variable Type** | **Variable Description** | **Variable Source** | **Source Inputs** | **Variable Primary Location** | **Variable Alternate Instances** |
| Name Of Variable | Type | Personal description of variable | How this information as added to the database |  | Primary instance of a variable “**Parent**” table name |  |
|  | **Text** |  | **SYSTEM(Generated)** |  |  |  |
|  | **Bool** |  | **USER(FORM#)** |  |  |  |
|  | **Float** |  | **USE\_CASE(Use\_Case#)** |  |  |  |
|  | **Int** |  |  |  |  |  |
|  | **SQL** |  |  |  |  |  |
|  | - |  |  |  |  |  |
|  | - |  |  |  |  |  |

**Required Variables(Form reference #):**

We will make question lists for each action that organise information put in by user and information generated by the system

information put in directly by user organised into forms for each use case stage

**SQL Statement:**

**Adding A Driver**

**Required Variables:** User\_ID(INT), Username(Text), Password(Text), User\_Email(TEXT), User\_Address(TEXT), User\_Phone\_Number(Int), User\_Date\_Of\_Birth(INT), Driver\_Name(Text), Used\_Vehicle(Text), Driver\_Wage(Int), Driver\_CPC(Text)

**SQL Statement:**

INSERT INTO User Values(User\_ID, Username, Password, Account\_Type, User\_Email, User\_Address, User\_Phone\_Number, User\_Date\_Of\_Birth);

INSERT INTO User\_Type\_Specific\_Info\_Driver Values(User\_ID, Fleet\_Name, Driver\_Name, Used\_Vehicle, Driver\_Wage, Driver\_CPC);

**Adding A Cargo Owner**

**Required Variables:**

New String Inventory\_Name = "Inventory\_" + toString(User\_ID)

New String Private\_Requests\_Table = "Shipping\_Requests\_List\_Priv\_" + toString(User\_ID)

Inventory\_Name(Text), Private\_Requests\_Table(Text), User\_ID(INT), Username(Text), Password(Text), User\_Email(TEXT), User\_Address(TEXT), User\_Phone\_Number(Int), User\_Date\_Of\_Birth(INT), Cargo\_Owner\_Name(Text)

**SQL Statement:**

INSERT INTO User Values(User\_ID, Username, Password, Account\_Type, User\_Email, User\_Address, User\_Phone\_Number, User\_Date\_Of\_Birth);

CREATE TABLE Inventory\_Name (

Inventory\_Number INTEGER,

Inventory\_Quantity INTEGER,

Inventory\_Prices INTEGER,

Inventory\_Item INTEGER,

Cargo\_Type TEXT,

Cargo\_Name TEXT,

Cargo\_Weight TEXT,

PRIMARY KEY (Inventory\_Number)

);

CREATE TABLE Private\_Requests\_Table Values(

Inventory\_Number INTEGER,

Inventory\_Quantity INTEGER,

Inventory\_Prices INTEGER,

Inventory\_Item INTEGER,

Cargo\_Type TEXT,

Cargo\_Name TEXT,

Cargo\_Weight TEXT,

Requested\_Transportation\_Company\_ID INTEGER,

PRIMARY KEY (Inventory\_Number)

);

INSERT INTO User\_Type\_Specific\_Info\_Cargo\_Owner(User\_ID, Cargo\_Owner\_Name, Inventory\_Name, Private\_Requests\_Table

**Adding A Transportation Company**

**Required Variables:** Fleet\_Name = "Fleet\_" + toString(User\_ID)

Incomming\_Shipping\_Requests = "Incoming\_Shipping\_Requests\_" + toString(User\_ID)

Fleet\_Name(Text), Incomming\_Shipping\_Requests(Text), User\_ID(INT), Username(Text), Password(Text), User\_Email(TEXT), User\_Address(TEXT), User\_Phone\_Number(Int), User\_Date\_Of\_Birth(INT)

**SQL Statement:**

INSERT INTO User Values(Fleet\_Name, Incomming\_Shipping\_Requests, User\_ID, Username, Password, Account\_Type, User\_Email, User\_Address, User\_Phone\_Number, User\_Date\_Of\_Birth);

CREATE TABLE Fleet\_Name (

User\_ID INTEGER PRIMARY KEY,

Vehicle\_Type TEXT,

Vehicle\_Reg TEXT,

Driver\_Name TEXT,

Driver\_Wage REAL

);

CREATE TABLE Incomming\_Shipping\_Requests (

Order\_ID INTEGER DEFAULT 'InsertOrderID'

PRIMARY KEY,

Cargo\_Owner\_ID INTEGER DEFAULT 'InsertCargoOwnerID',

Inventory\_Item TEXT DEFAULT 'InsertInventoryItem'

);

INSERT INTO User\_Type\_Specific\_Info Values (User\_ID, Fleet\_Name, Incomming\_Shipping\_Requests)

**Cargo Owner Adds Inventory Item**

**Required Variables:** Inventory\_Name = "Inventory\_" + toString(User\_ID)

Inventory\_Quantity(INT), Inventory\_Prices(INT), Inventory\_Item(INT), Cargo\_Type(TEXT), Cargo\_Name(TEXT), Cargo\_Weight(REAL)

**SQL Statement:**

INSERT INTO Inventory\_Name Values(Quantity(INT), Inventory\_Prices(INT), Inventory\_Item(INT), Cargo\_Type(TEXT), Cargo\_Name(TEXT),

Cargo\_Weight(REAL));