**ITCS 6160 (Spring 2018) Project for Class**

# Purpose:

# Variables:

**For sign up:**

* First name
* Last name
* Email
* Password
* Phone
* City
* State
* Date of birth
* Referral code

**Credit Card Details: (Can be filled later)**

* Card number
* Expiration
* CVV
* Zipcode

**What are you moving?**

* Small description
* How long will it take to load and unload (10 mins, 20 mins, 30 mins)
* You load and unload ($25 per hour) OR the driver will help you load or unload ($35 per hour)

**Where is it going?**

* Pick up and drop off location
* Time of pick up (there is no drop off time), it will end the moment the work is done

**Drivers:**

* All the drivers within 30 miles of the pickup are notified once a request is made. It depends on them whether they want to accept of decline the offer.
* Drivers make 70% of what the customer is charged, 100% of the tips and will also be reimbursed for the toll.

# Business Rules:

* The company offers many trucks to one customer (one to many relationship)
* Each truck is offered to one and only one customer at a time (one to one)
* Each customer can be a driver himself or a customer not simultaneously (recursive relationship)
* Every visitor of the website should have login credentials not necessarily be a customer or a driver (generalization/specialization)
* Driver and customer both should provide the credit card details
* The driver should have his/her own registered vehicle. A driver can have one or more vehicles registered on the website
* Customers will provide details about the requirements (date and time of pick up, location, time to load and unload)
* Driver will estimate the number of the trips required for the job to be done
* Admins have full access to the system
* There should be a ‘Visitors’ table with generalization/specialization
* The customer will be assigned zero to many trucks
* Admin needs to keep track of the approval process or rejection process
* Over a period of time many customers can book many trucks (many to many)
* Drivers can have multiple availabilities based on the day (Monday/Tuesday etc.) of the week

# EERD

# USE CASE