**Database Systems ITCS 6160 Project proposal:**

Website Chosen: <https://truxxit.com/>

Truxxit is an online truck service where **truck comes where exactly you need it and brings your stuff to where you want it to go!** Isn’t that amazing!   
We are designing a database for this website and below mentioned are the business rules and requirements:

Truck (TruckNumber, TruckName, TruckInsurance, TruckColor)

User (UserID, FirstName, LastName, Address, CellPhone\_Number, Email)

Driver (DriverName, LicenseNo, TruckName, full-time/part-time (Availability))

License (LicenseNo, LicenseName, LicenseType, LicenseExpiryDate)

Admin (AdminName, AdminEmail)

FAQs – two types (User FAQs, Driver FAQs)

UserFAQ (Username, question, answer)

DriverFAQ (DriverName, question, answer)

Login – It consists of logged in users comprised of both users and drivers

Login (Email, Password)

Agreement – It has both User and Driver Agreement

User Agreement (Agreement, “USER”)

Driver Agreement(Agreement, ”DRIVER”)

//We can create only one table for both the agreements having two tuples.

Business Rules:

1. A Truck can have only one Driver but Driver can have any number of trucks
2. Driver can have multiple licenses depending on the type of vehicle but license belongs to only one Driver
3. User can become Drivers and vice-versa.
4. Driver can have multiple availabilities based on the day (Monday/Tuesday) of the week.

**Challenging task: We have to somehow make M:N relationship between any 2 entities.**

//I don’t think we need this, I am not sure so I just mentioned it

Goals:

1. Keep track of all drivers based on their availability
2. Every user should get one or the other driver at any moment
3. Reports about the trip (truck trip service for the user) which include user who made the trip request and the driver who took the request and the entire trip details

**ANY CHANGES ARE ALWAYS WELCOME!**