#### **REQUIREMENTS**

#### The Taxi Service Database involves around three main entities Taxi, User and Trip.

#### Cabs can be booked for a specific location with a specific address by a User. User has a unique User id, a Contact no and an Email.

#### A Cab Service has a number of cars for service. Each cab is described by car id, Registration no, Model, Manufactured year and Status.

#### Cab has a parameter car type. It can be ‘Economy’, ‘Standard’, ’SUV’, ‘Premium’ and ‘Minivan’. Car type defines the price per hour.

#### A User can reserve a car for a number of hours/days. He can use any valid promotional code.

#### A user is uniquely identified by his/her User id. User information consists of his name as first name, last name, address, age and contact number.

#### When a user books a taxi and starts the trip by the driver the start time automatically updated by the system.

#### When the trip ends, the end trip time also automatically updated in the database by the system.

#### A unique bill is generated with a Bill no after a trip ends which has the information of user, driver, amount, date.

#### The total amount and net amount are calculated based on start time, end time, taxi price per hour and promotional code if any.

#### A Car is categorized as Individual Owner and car Service Company. Every taxi has a owner and he/she can give his/her car for the taxi service. Every owner has SSN and name. For the car service company information like tcs id and tsc name will also be there.

#### A registered user will be provided with a login id and password. A customer can save his credit/debit card details for future payment.

#### Partial payment can also be made at the time of booking and the balance must be paid by the user at the end of the trip.

#### If user is a customer, he/she can pay through saved debit/credit card details

#### A taxi can be drive by a driver. Driver has uniquely identified by the Driver id. Other information consists of name, gender, contact\_no, rating and age.

#### After the trip over a unique trip id is generated for that particular trip. Along with all the necessary trip details such as amount, date etc.

#### Users can also the give the feedback/rating for the trip they traveled into it. The feedback can be a message or rating out five for the driver who is giving trip to that user.

#### Feedback can be taking by the customer service center representative. They have the information like customer id, name and email.