Comp 421 – Assignment 1

# Exercise 1

1. Attached pdf Ass1Q1.1

2.

* User(id,credit\_card\_number, type)
* Member(user\_id, name, address, email, login\_name, password, key\_number, entry\_date, trip\_number, kilometer)
* Casual(user\_id, tmp, key)
* Billing\_statement(id, total)
* Bike(­id, year\_built, repair\_flag)
* Trip(id, time\_start, time\_returned)
* Station(location)
* Bike\_dock(id, number, need\_repair, locked)

Relationship

* Statement\_trip(billing\_statement\_id, trip\_id, price)
* Bike\_used(trip\_id, bike\_id)
* Has\_one\_bike(bike\_dock\_id, bike\_id)
* Belongs\_to\_station(bike\_dock\_id, station\_id)
* Station\_start (trip\_id, station\_id)
* Station\_returned (trip\_id, station\_id)
* Current\_trip(user\_id, trip\_id)
* Belongs\_to\_member(billing\_statement\_id, user\_id)

# Exercise 2

1. Attached pdf Ass1Q2.1



We have a one to many relationship, A as one B and B can have multiple A’s

# Exercise 3