MyBnB

CSCC43 Project

# Description

# Assumptions

# Entity-Relationship Model

# Schema

Address(*latitude, longitude, postal\_code, city, province, country, street\_address*)

Users(*SIN, first\_name, last\_name, birth\_date, occupation, email, register\_date\_time, login\_date\_time*)  
UserAddress(*SIN, latitude, longitude*)  
ProfileRatings(*userID, raterID, rating, rating\_date\_time*)  
ProfileComments(*userID, commenterID, content, comment\_date\_time*)

CreditCards(*card\_number, card\_type, expirydate*)  
RenterPayments(*card\_number, card\_type, renterID*)

Listings(*listingID, type, title, description, rules, bedrooms, beds, bathrooms, max\_guests, posted\_time*)  
ListingHosts(*listingID*, *hostID*)  
ListingAddress(*listingID, latitude, longitude*)  
ListingRatings(*listingID, raterID, rating, rating\_date\_time*)   
ListingComments(*listingID, commenterID, content, comment\_date\_time*)  
ListingAvailability(*listingID, availabilityID*)  
Amenities(*listingID, type*)

Availability(*availabilityID, type, starts\_on, ends\_on, price, num\_guests*)  
Bookings(*renterID, availabilityID, status, update\_date\_time*)

# DDL Statements

The SQL schema was optimized from the relation schema listed above. Many tables were joined where there were “one to many” relationships, and normal form was kept.

# User Manual

# System Limitations