

# CSCC43 Project notes.

- Listing type : full house, apartment, room etc
- location : x,y coordinates
- address : postal code, city, country
- other info: amenities offered, etc.

↳ amenities and types of listings should be same as airbnb website

## Air BnB Selection:

### amenities:

- Kitchen • Internet • TV • Essentials • Shampoo • Heating
- Air conditioning • Washer • dryer • Free parking
- Wireless internet • Cable TV • Breakfast • Pets allowed
- Family/kid friendly • Suitable for events • Smoking allowed
- Wheelchair accessible • elevator in building • Indoor fireplace
- Buzzer/wireless intercom • Doorman • Pool • Hot Tub
- Gym • 24 hour check-in • hangers • iron • hair dryer
- Laptop friendly workspace.

room type: -entire home/apt - private room - Shared room

bedrooms: 1 - 40

bedrooms: 1 - 16+

Washrooms: 0 - 8+, half allowed

## Property type:

- Apartment • house • bed + breakfast • boat • bungalow
  - Camper/RV • Castle • condominium • cottage
  - dorm • lighthouse • loft • other • Parking space
  - pent • townhouse • villa
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## every listing:

- has calendar availability (days in year the place is avail. or unavail.).
- has an assoc. price.
- hosts able to insert availability/unavailability and price.
- host should be able to change avail./price.
- Users can create an account to either start renting listings or become hosts.

## every user has:

- name
- address
- dob (at least 18 to create acc)
- occupation
- Social ins. num.

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## For renters:

- history of rented listings
- history of future bookings

• for hosts:

- list of listings they have
  - rental history of each listing
  - Users can write comments on listings.
  - Users can rate listings. (1-5 stars)
  - Users can rate the host (1-5 stars)
  - A host can comment on a renter only if they rented from the ~~renter~~ host
  - A renter can comment on a host only if they rented from the ~~renter~~ host
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For ER diagram:

- ✓ Users (renters or hosts) should be able to create profiles
- ✓ Can create users (renters or hosts)
- ✓ Required info should be filled in (up to you, but should be justified)
- ✓ Users should be able to book one or more listings
- ✓ Users (most likely hosts) will be able to create a listing.
- ✓ Users should be able to remove their own booking / listing.
- ✓ Booking information should be updated when it is created / removed / someone joins or leaves.  
(including calendar update)

- Some constraints should be satisfied:

✓ When listing booked, host should be unable to change the price.

✓ Both users and hosts can cancel the user's listing

✓ Renter should only be able to book a listing when:

✓ it is available at wanted date

✓ renter is free on specified

dates.

✓ When <sup>booking</sup> listing cancelled, info needs to be recorded.

✓ Host cannot change info of a listing when it is booked.

✓ Host cannot change avail. (ie when it is booked) of listing when it is booked (shouldn't this process be automated?).

- Users should be able to comment on hosts and vice versa. Some constraints apply:

1. renter can't comment on listing they haven't booked (but can if their booking got cancelled)

2. Host cannot comment on renter if renter has not rented there (unless they cancelled).