1. //Call Utha Users
2. Reviews (works both ways)
3. Locations -> country -> cities
4. Amenities and facilities
5. Guidebooks
6. Listing (Room and experience)
7. Messages
8. Trips
9. WishLists
10. Airbnb business
11. Advertisements of listing
12. Host

How to distinguish between host,guest and guides? (using weak entities or relationships ?)

How to distinguish between room and experience? (done)

Listing ?

How to include business travel ready rooms?

Include superhost

Managing travel for a company?

Including connected accounts?

Avails (both relationships)

* No. of People/Employee (for company)
* To
* From

Provides

* To
* From

Review (Aggregation) //incorporated in archives below

* Description
* Rating

**User**

* **ID**
* Name (Composite) - Fname, Lname
* Gender
* DOB
* Email
* Contact no
* Languages

Currency

Nationality

//Is joining date equivalent to signup date? --**yes**

* Joining Date

// Unclear. if company is a subclass of user, then how real is it for a company to become a guest to a single/individual user?

**Company**

* Work Email Address
* Company Credit Card

**Host**

* Earnings

HostID(Noooo!!!)

**Guest**

* Credit Card //Budget?

//Is listing equivalent to active hostings or offered hostings?

..If assumed that these are stuff offered by hosts irrespective of whether guests lives there or not then guest id should not be a compulsory attribute and can take a null value

**Listing**

* ListingID

// It should have host and guest id as well which will join these entities mentioned in dia

HostId

GuestID

* Price
* Address //PropertyID location can queried by joining it with Property
* Description
* Discount //Price and discount seems redundant attribute

//Policy attribute unclear

* Cancellation Policy //?
* Availability till (null or date(ie available till date))

**Archive Listing**

* Listing ID
* Rating by host for guest
* Rating by guest for host
* joining date
* Leaving date

**Wishlist**

* Name

//Too abstract.

//Need a userID to join with user

3 Multivalued attributes of city, state, country resp.

**Relationship between wishlist and listing -** // looks more relevant with user than listing since a user be it guest or host could be repeated in a listing but not in a user entity

**Location**

//There can be a hypothetical number/ID (like a pincode) corresponding to each location tuple. This will help to link it with Address in the listing

Locationid

* City
* State
* Country

**Room/Property**

// #of rooms (potential key with room\_id)

* Type (home,private room,shared room) // (cottage, flat, rooms, shared rooms)
* House rules

PropertyID/RoomID

//THis will help to join rooms/property with amenities

//Or alternative could be generalizing amenities provided by a type of property. So instead of Room id, a type id can be a key for the amenities entity (weak)

* Max accommodation
* Neighbourhood \_\_\_\_//Neighbourhood is abstract, instead, locationID can be given, thus nearby places can be queried

LocationID

//Unclear. How is it quantized? If not, how is it distinct from reviews

**Experience**

* Category
* Max people who can be a part of this experience
* Timings during a day

**Amenities**

//THere could be two choices. Either provide a room id (Not a listing id) as an attribute. Or add amenities as a multivalue attribute to room entity. Room id as attribute seems more relevant

Room ID

* Name

**Guidebook**

//Guidebook and Location are connected with the relationship in dia, however, there should an attribute here to join with Location. It can act as a weak entity with key of location ID.

Location ID

* Description/ Name of places to visit

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Experience and business rooms are unclear yet. (Because you don't attend the meetings!!!)

Company - Kyu hai?

Discount - Dena hai?