Design

* Assumptions
  + User can be host and guest at the same time
  + Database keeps data for now. No historical data is needed in future
  + Null values is not needed for any field
* Operations
  + Host creates room
    - Row is inserted to rooms table.id generated by database. Host\_id should be taken from current user. Other fields must be inputted by user.
  + Guest Check availability of room
    - SELECT r.\* FROM "ROOMS" r WHERE R.id NOT IN (SELECT res.room\_id FROM "RESERVATIONS" res);
  + Guest Make Reservation for a room
    - Row is inserted to reservations table. Guest\_id should be taken from current user. room\_id must be inputted by user.