DATABASE DIAGRAM FOR RESHOTELSYSTEM

Reservations

PK	id	Int
FK	room_id	Int
FK	guest_id	Int
	date_in	DATE
	date_out	DATE
	amount_charged	DECIMAL
	status	TinyInt
	adult_count	INT
	child_count	INT
	room_number	INT
	created_at	DATETIME
	updated_at	DATETIME

Users

PK	id	INT
	name	VARCHAR (80)
	email	VARCHAR (80)
	password	TEXT
	created_at	DATETIME
	updated_at	DATETIME

Guests

PK	id	INT
	first_name	VARCHAR(60)
	last_name	VARCHAR (60)
	email_address	VARCHAR (100)
	cellphone	VARCHAR
	home_address	TEXT
	country	VARCHAR
	created_at	DATETIME
	updated_at	DATETIME

Rooms

PK	id	INT
	name	VARCHAR (200)
	description	TEXT
	number_of_rooms	INT
	price	DECIMAL (11,0)
	adult_max_capacity	INT
	child_max_capacity	INT
	created_at	DATETIME
	updated_at	DATETIME

Uploads

PK	id	INT
FK	room_id	INT
	name	(100) VARCHAR
	size	(80) VARCHAR
	type	(20) VARCHAR
	created_at	DATETIME
	updated_at	DATETIME

```
                    ( Start )
                        |
                        |
            +-----------------------+
            |     Room Enquiry      |
            +-----------------------+
                        |
                        |
                                                    +------------------------+------------->+
              /\                                                                            |
             /  \        Y         +----------------------+                                 |
   N        / check\ ----------->  |   Enter Arrival Date |                                 |
 ( Stop )--< Availability >        +----------------------+                                 |
             \    /                          |                                              |
              \  /                 +----------------------+                                 |
               \/                  |  Enter Departure Date |                                |
                                   +----------------------+                                 |
                                              |                                             |
                                   +----------------------+                                 |
                                   |     Enter Rooms      |                                 |
                                   +----------------------+                                 |
                                              |                                             |
                                   +------------------------+                               |
                                   | Enter Number of Adult  |                               |
                                   +------------------------+                               |
                                              |                                             |
                                 +----------------------------+                             |
                                 | Enter Number of Children   |                             |
                                 +----------------------------+                             |
                                              |                                             |
                                              |                                             |
   +----------------------+         /\                                                      |
   |                      |    Y   /  \                                                     |
   |   Select Room type   |<------< Get \        N                                          |
   |                      |        < Availability >------------------------------------->+--+
   +----------------------+         \ Result /
              |                      \    /
              |                       \  /
              |                        \/
              |
             /\
        Y   /  \
 +------->< Place \
 |         < Booking >
 |          \    /
+----------------------+     \  /
|    Enter Guest       |      \/
|    Information       |       | N
+----------------------+       |
          |                    |
+----------------------+       |
|  Create Reservation  |----( Stop )
+----------------------+
```