

Business Assumptions:

- 1. We could make a reservation_id PK, but we're just using confirmation_number as it is a unique value already
- 2. Because a customer can visit multiple times, we're not going to tie them to Rooms, without first tying them to Reservation; if we wanted to do this, we could add an "Occupied Rooms" bridge table between many Customers and many Rooms. For now, we assume reserved rooms are also occupied. (We can set rules eg: if "status != complete" then the rooms are full)
- 3. Similarly, we could either have a billing table in a 1:1 relation with the reservation table, or just keep all billing info together with the reservation table. For simplicity, I leave it under Reservation.
- 4. Room blocks are pre-determined by the client, and may or may not be available depending on location, depending on use-case (does Sour Apple want an intimate BnB style offering later on?).
- 5. Regarding addresses, they are currently listed as a single line-item; if the company expected dramatic increase in scale, we could split these to accomodate individual zip codes, state, etc...or even an entirely separate address entity! At the current scale, we'll keep things simpler, however.
- 6. Assumptions can be adjusted at the request of the client, Sour Apple Hotel

Sour Apple Hotel ER Design

Garrett Wadley | Due: September 15, 2021

