# App Proposal

**To:** Arun Joel John

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**App Idea**: Hotel Reservation App for booking/travel agents. Agents can log in, view hotels, reserve rooms for guests, create guest profile’s with guest ID, edit hotel page details.

* **Proposed Forms**:
  + *MDI Container Form*
    - Menu for launching About Form, Login Form, Browse Form, Maintenance Form
  + *Login Form*
    - Agent username and password (that must match pre-populated login account database table)
  + *Browse Form*
    - Browse details of hotels, including name, address, available rooms (with room ID), room type (enum), parking lot availability, amenities (gym, bar, continental breakfast, etc)
  + *Maintenance Form(s)*
    - Edit hotel details, edit login account details (first name, last name, email, etc)
* *Many to many relationship* – agent to hotel booking (many agents can book a hotel, a hotel can be booked by many agents)
* **Business rules**:
  + Customer must be at least 18 years of age to book a hotel room
  + Cannot have two customers in the same room at the same time in the same hotel
  + Information about guests is saved (with unique guest ID), and a repeat guest must reuse their previous guest ID
  + Guests will qualify for a 20% discount if they book more than 5 hotel rooms