**Members: Gerald Beltran and Jose Paolo Gigayon**

**Overview:**

Paolo had just arrived in a bustling city for an important conference, excited and prepared for his stay. As he arrived at his Airbnb, he discovered that his reservation had been abruptly canceled. Panic sets in as he realizes he doesn't have anywhere to stay, and the city's lodging options appear overwhelming.

# **Solving the Problem:**

To find nearby available listings, you quickly open the "Inn Doors" app. You can quickly book a new place as it automatically displays nearby and available Airbnb’s. The app's real-time updates and user-friendly interface ensure that you have a new, comfortable accommodation within minutes, transforming what could have been a nightmare trip into a smooth one.

# **The Application:**

**Application name: Inn Doors (Airbnb Reservation App)**

# **What it is:**

* Discover a simple way to book your next stay with "Inn Doors," the ultimate Airbnb reservation app. Whether you need to make a last-minute reservation or plan your dream vacation, "Inn Doors" provides a user-friendly interface and real-time updates to help you find the ideal lodging. "Inn Doors" offers secure payment options to ensure a hassle-free booking experience. Travel with confidence, knowing that your perfect stay is only a few taps away!

# **Features:**

* Guest Features
  + Search: The ability to find listings based on location, dates, price, amenities, property type, and other criteria.
  + Listing Details: See detailed descriptions, high-quality photos, amenities, house rules, and host information.
  + Booking: A secure booking system with online payment options. before, during, and after reservations.
* Host Features
  + Search: The ability to look for listings based on location, dates, price, amenities, property type, and more.
  + Listing Details: See detailed descriptions, high-quality photos, amenities, house rules, and host contact information.
  + Booking: A secure booking system that accepts online payments. communicate before, during, and after their reservations.
  + Guest Features
    - Search: The ability to find listings based on location, dates, price, amenities, property type, and other criteria.
    - Listing Details: See detailed descriptions, high-quality photos, amenities, house rules, and host information.
    - Booking: A secure booking system with online payment options. before, during, and after reservations.
  + Host Features
    - Search: The ability to look for listings based on location, dates, price, amenities, property type, and more.
    - Listing Details: See detailed descriptions, high-quality photos, amenities, house rules, and host contact information.
    - Booking: A secure booking system that accepts online payments. communicate before, during, and after their reservations.

Questions about the Application:

* Who are the potential users?
  + The potential users of the "Inn Doors" Airbnb reservation app include a wide range of individuals and groups. The app will help travelers, including tourists and business professionals, find short-term lodging options in a variety of locations. Hosts, such as property owners or managers, can use the platform to list and rent out their properties, ranging from individual rooms to entire homes. The app will benefit remote workers looking for short-term stays in different cities, as well as families and larger groups in need of spacious accommodations. Long-term renters looking for extended stays due to work assignments or relocations, event attendees requiring nearby lodging, and health and wellness seekers seeking accommodation near retreats or medical facilities are all potential users of "Inn Doors."
* What tasks do they seek to perform?
  + Users of the "Inn Doors" Airbnb reservation app want to complete various tasks tailored to their specific requirements. Travelers and tourists want to find and book short/long term accommodations that fit their budget and preferences. Business professionals seek convenient lodging close to their meeting locations or offices. Hosts want to be able to easily list their properties, manage bookings, communicate with guests, and accept payments. Remote workers seek out comfortable and conducive places to stay while working away from their primary location. Families and larger groups want to book accommodations that can comfortably accommodate multiple people and provide necessary amenities. Long-term renters seek affordable, extended stay options. For convenience, event attendees look for accommodations close to their event venues. Health and wellness travelers seek out lodgings that offer a peaceful environment near retreats or medical facilities. Overall, users want an app that makes it easy to find, book, and manage their stay or rental properties.
* What functionality should any system provide to these users?
  + The Airbnb reservation app "Inn Doors" should provide travelers with easy-to-use search and booking features, comprehensive property management tools for hosts, and seamless communication and payment processing for both parties. Travelers require simple navigation through listings, detailed property information, and secure booking options. Hosts require powerful tools to list properties, manage bookings, and effectively communicate with guests, all while processing payments efficiently. The app should provide a user-friendly experience, facilitating smooth transactions and increasing the overall efficiency of short-term rental processes for all users.
* What constraints will be placed on your eventual design?
  + The design of the "Inn Doors" Airbnb app will prioritize platform compatibility across devices, stringent data security measures, scalable architecture to accommodate growth, dependable payment integration, intuitive user experience, adherence to local regulations, and meeting Airbnb's hosting standards. These constraints are critical for providing a reliable and trustworthy platform for both users and hosts.
* What criteria should be used to judge if your design is a success or not?
  + The success of the "Inn Doors" Airbnb app is dependent on user satisfaction, engagement metrics such as active users and booking frequency, host satisfaction with management tools, high booking conversion rates, financial performance from booking fees, operational efficiency under load, regulatory compliance, and continuous innovation to differentiate itself in the market. These criteria collectively assess its effectiveness, user trust, and competitive advantage in the short-term rental market.