Comprehensive Data Requirements for Hotel Booking App

1. Authentication & User Data

User Model Core Data:
- Unique identifier (UUID)
- Username (unique, alphanumeric)
- Email (unique, valid format)
- Password hash (encrypted)
- Authentication provider (email/Google)
- Email verification status

Profile Data:
- Avatar image URL/file
- First name
- Last name
- Phone number (with country code)
- Date of birth
- language (Client side with React i18n)
- Currency (Default, USD. Conversion on Client)

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2. Trip Data

Booking Record:
- Unique booking identifier
- User reference
- Hotel reference
- Check-in date
- Check-out date
- Number of guests
- Room type reference (Types of Rooms to be included here)
- Total price
- Currency (USD)
- Payment status

- Creation timestamp
- Last modified timestamp
- *Cancellation timestamp (if applicable)*
- *Cancellation reason (if applicable)*

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3. Hotel Data

Core Hotel Information:
- Unique identifier
- Hotel name
- Description (short and long versions)
- Star rating (1-5)
- Property type
- Built year
- Last renovation year
- Chain affiliation (if any), for example, Marriot Hotel Kigali (Marriot Hotel Chain)

Location Data (displayed on the Client Side with Google Maps API):
- Street address
- City
- State/Province
- Country
- Postal code
- GPS coordinates
- Map URL
- Neighborhood info

Operational Data:
- Check-in time
- Check-out time
- Cancellation policy type
- Payment options
- Status (active/inactive)

Media:
- Photo URLs
- Video URLs
- Virtual tour URL (if any)

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4. Room Data

Room Type:
- Unique identifier
- Hotel reference
- Room type name
- Description
- Maximum occupancy
- Number of beds
- Bed types
- Room size (in sq ft/m²)
- Floor Level

Pricing:
- Base price
- Currency
- Tax percentage
- Child policy
- Price modifiers for the season, for example, Christmas festive discounts, etc…
- Special rates (corporate, group, honeymoon)

Availability:
- Total rooms of type
- Available rooms
- Maintenance status

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5. Review System

Review Data:
- Unique identifier
- User reference
- Hotel reference
- Booking reference
- Rating score (1-5)
- Review text

- Stay date
- Review date
- Photo URLs

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 6. Content Discovery & Exploration Data

Launch/Explore Videos:
Video ID
Title
Video URL/file
Thumbnail URL
Duration
Category/type
Display order
Upload date
View count (default 0; client-side should increment the views count when a video is viewed)

Top Destinations:
Destination ID
Name
Description
Cover image URL
Location data
Featured status
Display order
Associated hotels
Season recommendations

Sponsorship Content:
Sponsor ID
Campaign name
Content type (hotel/destination)
Featured item reference
Start date
End date
Target audience

Best Deals:
Deal ID
Title
Description
Hotel reference
Original price
Discounted price
Discount percentage
Valid period
Terms and conditions
Available inventory
Booking count

Recommended Places:
Place ID
Name
Type (hotel/destination)
Reference ID (hotel/destination ID)
Recommendation reason

7. User Engagement
Wishlist:
- User reference
- Hotel reference
- Added timestamp
- Notes

Search History:
- User reference
- Search query
- Filters applied
- Timestamp
- Results count

User Activity:
- Activity type

- User reference
- Target reference (hotel/room/review)
- Timestamp
- Device info
- IP address

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8. Notification System

Notification:
- Unique identifier
- User reference
- Type (booking/promo/system)
- Title
- Message
- Creation timestamp
- Read status
- Expiry date

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9. Support System

Help Center:
- Article ID
- Category
- Title
- Content
- Last updated
- Related articles
- View count

Support Ticket:
- Ticket ID
- User reference
- Subject
- Description
- Status
- Priority

- Creation date
- Last update
- Resolution notes

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10. Analytics Data

User Analytics:
- Page views
- Search patterns
- Booking patterns
- Session duration
- Device info
- Location data

Business Metrics:
- Booking conversion rates
- Revenue per available room
- Average daily rate
- Occupancy rates
- Customer acquisition cost
- Customer lifetime value