

# **TRAVEL & STAY**

**Group – 3 Project**

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# 1. INTRODUCTION

Travel and Stay is a platform that offers booking services that include transport and accommodation in a singular, user-friendly interface which contains a streamlined database and an interactive front-end. This makes traveling easier to plan and more efficient.

Travelers are individuals searching for and booking tours, transport, and accommodation online.

Travel Admins are organizational staff or operators who take care of the tour package booking and customer service.

The technology stack is PHP, HTML, CSS, Javascript, Ajax, XAMP, MySQL Server and Database, and Visual Studio Code.

# 2. BUSINESS RULES

1. USERS -> BOOKING\_ORDER (1,0..\*)
  - A USER may have zero or many room booking orders.
  - A USER must be have active status to book.
2. USERS -> FLIGHT\_ORDER (1,0..\*)
  - A USER may have zero or many flight orders.
  - A USER must be have active status to book flights.
3. USERS -> TOUR\_ORDER (1,0..\*)
  - A USER may have zero or many tour orders.
  - A USER must be have active status to book tours.
4. TOUR\_ORDER -> TOUR\_PACKAGES (0..\*,1)
  - A TOUR\_PACKAGES may have zero or many room tour orders.
  - A TOUR\_ORDER belongs to only one tour package.
5. TOUR\_ORDER -> TOUR\_BOOKING\_DETAILS (1,1)
  - Each TOUR\_ORDER will have exactly one TOUR\_BOOKING\_DETAILS.
  - The booking details will be snapshot of reference package details at the time of booking.
  - For occupancy sum of adult and child must be more than zero.

6. TOUR\_PACKAGE -> PACKAGE\_IMAGES (1,M)
  - A TOUR\_PACKAGE may have multiple images.
  - Each image belongs to exactly one package.
7. FLIGHT\_ORDER -> FLIGHTS (0..\*,1)
  - An order can be placed for flights with active status.
  - A FLIGHT can be booked by zero or many FLIGHT\_ORDER
  - A FLIGHT\_ORDER must be booked for one flight.
8. FLIGHT\_ORDER -> FLIGHT\_BOOKING\_DETAILS (1,1)
  - Each FLIGHT\_ORDER will have exactly one FLIGHT\_BOOKING\_DETAILS.
  - The booking details will be snapshot of reference flight details at the time of booking.
9. BOOKING\_ORDER -> BOOKING\_BOOKING\_DETAILS (1,1)
  - Each BOOKING\_ORDER will have exactly one BOOKING\_BOOKING\_DETAILS.
  - The booking details will be snapshot of reference booking details at the time of booking.
10. BOOKING\_ORDER -> ROOM (0..\*,1)
  - A ROOM can be booked by zero or many BOOKING\_ORDER.
  - A ROOM can be only booked when it is active (available).
  - A BOOKING\_ORDER must book one available ROOM.
11. BOOKING\_ORDER -> BOOKING\_BOOKING\_DETAILS (1,1)
  - Each BOOKING\_ORDER will have exactly one BOOKING\_BOOKING\_DETAILS.
  - The booking details will be snapshot of reference booking details at the time of booking.
12. ROOM -> ROOM\_FACILITIES(1,0..\*)
  - A ROOM can have zero or more facilities assignments.
  - A ROOM\_FACILITES is assigned to only one ROOM.
13. FACILITIES -> ROOM\_FACILITIES(1,0..\*)
  - A FACILITIES can refer to zero or many ROOMS.
  - Each assignment refers to exactly one FACILITY.
14. ROOM -> ROOM\_IMAGES(1,M)
  - A ROOM may have multiple images.
  - Each image belongs to exactly one package

15. ROOM -> ROOM\_FEATURES(1,0..\*)

- A ROOM can have zero or more features.
- A assignment belongs to only one ROOM.

16. FACILITIES -> ROOM\_FEATURES (1,0..\*)

- A FEATURES can refer to zero or many ROOMS.
- Each assignment refers to exactly on FEATURE.

17. USER -> FLIGHT\_RATING REVIEW (1,0..\*)

- Only active users may submit the reviews.
- A USER can submit zero or many flight reviews.

18. FLIGHTS -> FLIGHT\_RATING REVIEW (1,0..\*)

- Only flight with active status can be reviewed.
- A FLIGHT can have zero or many flight reviews.

19. FLIGHTS\_ORDER -> FLIGHT\_RATING REVIEW (1,0..1)

- A FLIGHT\_ORDER can have zero or one review.
- A review for FLIGHT\_ORDER can be submitted after the flight arrival time.

20. USER -> RATING REVIEW (1,0..\*)

- Only active users may submit the reviews.
- A USER can submit zero or many booking order and room reviews.

21. ROOMS -> RATING REVIEW (1,0..\*)

- Only ROOM with active status can be reviewed.
- A ROOM can have zero or many room reviews over time.

22. BOOKING\_ORDER -> RATING REVIEW (1,0..1)

- A BOOKING\_ORDER can have zero or one review.
- A review for BOOKING\_ORDER can be submitted after the room checkout time.

23. USER -> TOUR\_RATING\_REVIEWS (1,0..\*)

- Only active users may submit the reviews.
- A USER can submit zero or many TOUR reviews.

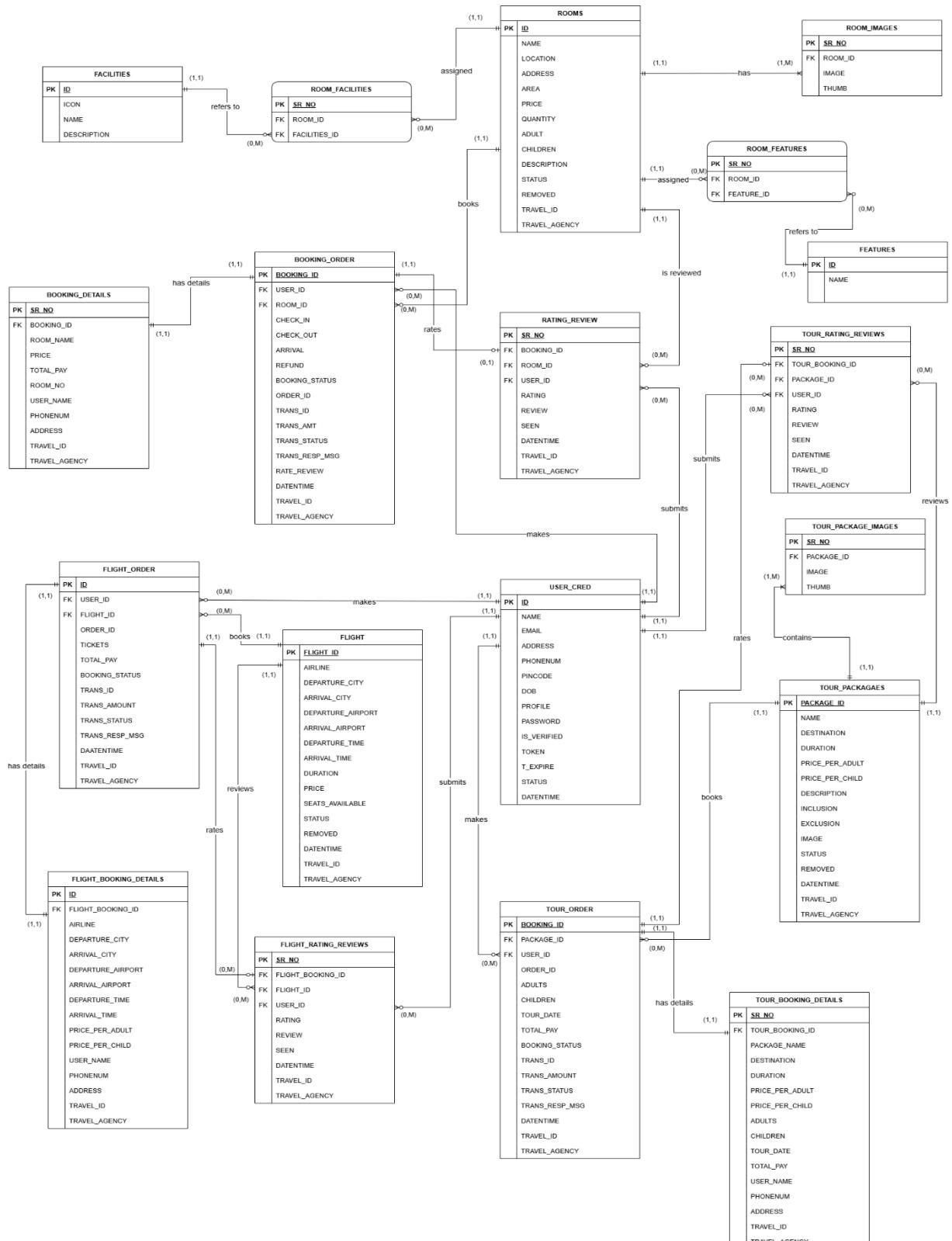
24. TOUR\_PACKAGES -> TOUR\_RATING\_REVIEWS (1,0..\*)

- Only tour packages with active status can be reviewed.
- A package can have zero or many package reviews.

25. TOUR\_ORDER -> TOUR\_RATING\_REVIEWS (1,0..1)

- A TOUR\_ORDER can have zero or one review.
- A review for TOUR\_ORDER can be submitted after the tour is completed.

### 3. ENTITY RELATIONSHIP DIAGRAM



## 4. DATA DICTIONARY

Table/Attribute	Contents	Type	PK or FK
USER_CRED	ID	INT	PK
	NAME	VARCHAR	
	EMAIL	VARCHAR	
	ADDRESS	VARCHAR	
	PHONENUM	VARCHAR	
	PINCODE	INT	
	DOB	DATETIME	
	PROFILE	VARCHAR	
	PASSWORD	VARCHAR	
	IS_VERIFIED	INT	
FLIGHT	TOKEN	VARCHAR	
	T_EXPIRE	DATETIME	
	STATUS	INT	
	DATETIME	DATETIME	
	FLIGHT_ID	INT	PK
	AIRLINE	VARCHAR	
	DEPARTURE_CITY	VARCHAR	
	DEPARTURE_AIRPORT	VARCHAR	
	ARRIVAL_AIRPORT	VARCHAR	
	DEPARTURE_TIME	DATETIME	
	ARRIVAL_TIME	DATETIME	
	DURATION	VARCHAR	

	PRICE	DECIMAL(10,2)	
	SEATS AVAILABLE	INT	
	REMOVED	INT	
	DATETIME	DATETIME	
	TRAVEL_ID	INT	
	TRAVEL_AGENCY	VARCHAR	
FLIGHT_ORDER	ID	INT	PK
	USER_ID	INT	FK
	FLIGHT_ID	INT	FK
	ORDER_ID	VARCHAR	
	TICKETS	INT	
	TOTAL_PAY	DECIMAL(10,2)	
	BOOKING_STATUS	VARCHAR	
	TRANS_ID	VARCHAR	
	TRANS_AMOUNT	DECIMAL(10,2)	
	TRANS_STATUS	VARCHAR	
	TRANS_RESP_MSG	VARCHAR	
	DATETIME	DATETIME	
	TRAVEL_ID	INT	
	TRAVEL_AGENCY	VARCHAR	
FIGHT_BOOKING_DETAILS	ID	INT	PK
	FLIGHT_BOOKING_ID	INT	FK
	AIRLINE	VARCHAR	
	DEPARTURE_CITY	VARCHAR	
	ARRIVAL_CITY	VARCHAR	

	<b>DEPARTURE_AIRPORT</b>	VARCHAR	
	<b>ARRIVAL_AIRPORT</b>	VARCHAR	
	<b>DEPARTURE_TIME</b>	DATETIME	
	<b>ARRIVAL_TIME</b>	DATETIME	
	<b>PRICE_PER_ADULT</b>	DECIMAL(10,2)	
	<b>PRICE_PER_CHILD</b>	DECIMAL(10,2)	
	<b>USER_NAME</b>	VARCHAR	
	<b>PHONENUM</b>	VARCHAR	
	<b>TRAVEL_ID</b>	INT	
	<b>TRAVEL_AGENCY</b>	VARCHAR	
<b>FLIGHT_RATING_REVIEWS</b>	<b>SR_NO</b>	INT	PK
	<b>FLIGHT_BOOKING_ID</b>	INT	FK
	<b>FLIGHT_ID</b>	INT	FK
	<b>USER_ID</b>	INT	FK
	<b>RATING</b>	INT	
	<b>REVIEW</b>	VARCHAR	
	<b>SEEN</b>	INT	
	<b>DATETIME</b>	DATETIME	
	<b>TRAVEL_ID</b>	INT	
	<b>TRAVEL_AGENCY</b>	VARCHAR	
<b>TOUR_PACKAGES</b>	<b>PACKAGE_ID</b>	INT	PK
	<b>NAME</b>	VARCHAR	

	DESTINATION	VARCHAR	
	DURATION	VARCHAR	
	PRICE_PER_ADULT	DECIMAL(10,2)	
	PRICE_PER_CHILD	DECIMAL(10,2)	
	DESCRIPTION	TEXT	
	INCLUSION	TEXT	
	EXCLUSION	TEXT	
	IMAGE	VARCHAR	
	STATUS	TINYINT	
	REMOVED	INT	
	DATETIME	DATETIME	
	TRAVEL_ID	INT	
	TRAVEL_AGENCY	VARCHAR	
TOUR_ORDER	BOOKING_ID	INT	PK
	PACKAGE_ID	INT	FK
	USER_ID	INT	FK
	ORDER_ID	INT	
	ADULTS	INT	
	CHILDREN	INT	
	TOUR_DATE	DATETIME	
	TOTAL_PAY	DECIMAL(10,2)	
	BOOKING_STATUS	VARCHAR	
	TRANS_ID	VARCHAR	
	TRANS_AMOUNT	VARCHAR	

	<b>TRANS_STATUS</b>	VARCHAR	
	<b>TRANS_RESP_MSG</b>	VARCHAR	
	<b>DATETIME</b>	DATETIME	
	<b>TRAVEL_ID</b>	INT	
	<b>TRAVEL_AGENCY</b>	VARCHAR	
<b>TOUR_BOOKING_DETAILS</b>	<b>SR_NO</b>	INT	PK
	<b>TOUR_BOOKING_ID</b>	INT	FK
	<b>PACKAGE_NAME</b>	VARCHAR	
	<b>DESTINATION</b>	VARCHAR	
	<b>DURATION</b>	VARCHAR	
	<b>PRICE_PER_ADULT</b>	DECIMAL(10,2)	
	<b>PRICE_PER_CHILD</b>	DECIMAL(10,2)	
	<b>ADULTS</b>	INT	
	<b>CHILDREN</b>	INT	
	<b>TOUR_DATE</b>	DATETIME	
	<b>TOTAL_PAY</b>	DECIMAL(10,2)	
	<b>USER_NAME</b>	VARCHAR	
	<b>PHONENUM</b>	VARCHAR	
	<b>ADDRESS</b>	VARCHAR	
	<b>TRAVEL_ID</b>	INT	
	<b>TRAVEL_AGENCY</b>	VARCHAR	
<b>TOUR_RATING_REVIEWS</b>	<b>SR_NO</b>	INT	PK
	<b>TOUR_ORDER_ID</b>	INT	
	<b>PACKAGE_ID</b>	INT	

	<b>USER_ID</b>	<b>INT</b>	
	<b>RATING</b>	<b>INT</b>	
	<b>REVIEW</b>	<b>VARCHAR</b>	
	<b>SEEN</b>	<b>INT</b>	
	<b>DATETIME</b>	<b>DATETIME</b>	
	<b>TRAVEL_ID</b>	<b>INT</b>	
	<b>TRAVEL_AGENCY</b>	<b>VARCHAR</b>	
<b>TOUR_PACKAGE_IMAGES</b>	<b>SR_NO</b>	<b>INT</b>	<b>PK</b>
	<b>PACKAGE_ID</b>	<b>INT</b>	<b>FK</b>
	<b>IMAGE</b>	<b>VARCHAR</b>	
	<b>THUMB</b>	<b>TINYINT</b>	
<b>BOOKING_ORDER</b>	<b>BOOKING_ID</b>	<b>INT</b>	<b>PK</b>
	<b>USER_ID</b>	<b>INT</b>	<b>FK</b>
	<b>ROOM_ID</b>	<b>INT</b>	<b>FK</b>
	<b>CHECK_IN</b>	<b>DATETIME</b>	
	<b>CHECK_OUT</b>	<b>DATETIME</b>	
	<b>ARRIVAL</b>	<b>INT</b>	
	<b>REFUND</b>	<b>INT</b>	
	<b>BOOKING_STATUS</b>	<b>VARCHAR</b>	
	<b>ORDER_ID</b>	<b>VARCHAR</b>	
	<b>TRANS_ID</b>	<b>VARCHAR</b>	
	<b>TRANS_AMT</b>	<b>INT</b>	
	<b>TRANS_STATUS</b>	<b>VARCHAR</b>	
	<b>TRANS_RESP_MSG</b>	<b>VARCHAR</b>	
	<b>RATE_REVIEW</b>	<b>INT</b>	

	DATETIME	DATETIME	
	TRAVEL_ID	INT	
	TRAVEL_AGENCY	VARCHAR	
BOOKING_DETAILS	SR_NO	INT	PK
	BOOKING_ID	VARCHAR	FK
	ROOM_NAME	VARCHAR	
	PRICE	INT	
	TOTAL_PAY	INT	
	ROOM_NO	VARCHAR	
	USER_NAME	VARCHAR	
	PHONENUM	VARCHAR	
	ADDRESS	VARCHAR	
	TRAVEL_ID	INT	
	TRAVEL_AGENCY	VARCHAR	
RATING_REVIEWS	SR_NO	INT	PK
	BOOKING_ID	INT	FK
	ROOM_ID	INT	FK
	USER_ID	INT	FK
	RATING	INT	
	REVIEW	VARCHAR	
	SEEN	INT	
	DATETIME	DATETIME	
	TRAVEL_ID	INT	
	TRAVEL_AGENCY	VARCHAR	
ROOMS	ID	INT	PK

	NAME	VARCHAR	
	LOCATION	VARCHAR	
	ADDRESS	VARCHAR	
	AREA	VARCHAR	
	PRICE	INT	
	QUANTITY	INT	
	ADULT	INT	
	CHILDREN	INT	
	DESCRIPTION	VARCHAR	
	STATUS	TINYINT	
	REMOVED	INT	
	TRAVEL_ID	INT	
	TRAVEL_AGENCY	VARCHAR	
FACILITIES	ID	INT	PK
	ICON	VARCHAR	
	NAME	VARCHAR	
	DESCRIPTION	VARCHAR	
ROOM_FACILITIES	SR_NO	INT	PK
	ROOM_ID	INT	FK
	FACILITIES_ID	INT	FK
FEATURES	ID	INT	PK
	NAME	VARCHAR	
ROOM_FEATURES	SR_NO	INT	PK
	ROOM_ID	INT	FK

	<b>FEATURE_ID</b>	<b>INT</b>	<b>FK</b>
<b>ROOM_IMAGES</b>	<b>SR_NO</b>	<b>INT</b>	<b>PK</b>
	<b>ROOM_ID</b>	<b>INT</b>	<b>FK</b>
	<b>IMAGE</b>	<b>VARCHAR</b>	
	<b>THUMB</b>	<b>TINYINT</b>	

## 5. ENTITIES

- The **FACILITIES** table holds data about the various amenities offered, including their names and descriptions. It is linked to the **ROOM\_FACILITIES** table via the field.
- The **ROOM\_FACILITIES** table acts as a junction, associating rooms with their respective facilities using `ROOM_ID` and `FACILITY_ID`. It serves as a bridge between the **ROOMS** and **FACILITIES** tables.
- The **ROOMS** table contains comprehensive information about hotel rooms, such as location, pricing, and availability. It is associated with several other tables, including **ROOM\_FACILITIES**, **ROOM\_IMAGES**, **ROOM\_FEATURES**, **BOOKING\_ORDER**, and **RATING\_REVIEW**.
- **ROOM\_IMAGES** stores visual content related to rooms and is connected to the **ROOMS** table through `ROOM_ID`.
- The **ROOM\_FEATURES** table links specific features to rooms using `ROOM_ID` and `FEATURE_ID`, effectively bridging the **ROOMS** and **FEATURES** tables.
- **FEATURES** stores the names of individual features offered in rooms and is related to **ROOM\_FEATURES**.
- The **BOOKING\_ORDER** table records reservations for hotel rooms, capturing information about users and rooms. It is connected to **ROOMS**, **USER\_CRED**, and **BOOKING\_DETAILS**.
- **BOOKING\_DETAILS** provides more in-depth information for each booking, such as pricing and customer-related data. It is linked back to the **BOOKING\_ORDER** table.
- **RATING\_REVIEW** stores user-submitted feedback and ratings for rooms and is linked to both the **ROOMS** and **USER\_CRED** tables.
- **TOUR\_PACKAGE\_IMAGES** stores images related to tour packages and is linked to the **TOUR\_PACKAGES** table.

- **TOUR\_PACKAGES** contains details of travel packages including destinations, pricing, and descriptions. It is associated with **TOUR\_ORDER**, **TOUR\_PACKAGE\_IMAGES**, and **TOUR\_PACKAGE\_REVIEWS**.
- **TOUR\_ORDER** keeps track of tour bookings made by users, and it connects to both **USER\_CRED** and **TOUR\_PACKAGES**.
- **TOUR\_BOOKING\_DETAILS** adds supplementary information to tour bookings, such as costs per adult and child. It is related to the **TOUR\_ORDER** table.
- **TOUR\_RATING\_REVIEWS** collects user reviews for tour packages and links **USER\_CRED** to **TOUR\_PACKAGES**.
- **FLIGHT\_ORDER** records flight bookings and connects users with flight details via the **USER\_CRED** and **FLIGHT** tables.
- **FLIGHT** holds all relevant flight data, including pricing and schedules, and is linked to **FLIGHT\_ORDER** and **FLIGHT\_BOOKING\_DETAILS**.
- **FLIGHT\_BOOKING\_DETAILS** includes additional flight booking information like seat type and departure time. It connects to both **FLIGHT** and **FLIGHT\_ORDER**.
- **FLIGHT\_RATING\_REVIEWS** contains reviews left by users for their flight experiences and connects **USER\_CRED** with **FLIGHT**.
- Finally, the **USER\_CRED** table stores user login credentials and personal details, and it is linked to multiple tables such as **BOOKING\_ORDER**, **FLIGHT\_ORDER**, **TOUR\_ORDER**, and all review-related tables.

## 6. QUERIES

### 1. Retrieve the tour package with the highest booking

```
SELECT tp.package_id, tp.name AS package_name, tp.destination,
COUNT(to2.booking_id) AS booking_count FROM tour_packages tp JOIN tour_order to2 ON
tp.package_id = to2.package_id GROUP BY tp.package_id, tp.name, tp.destination ORDER
BY booking_count DESC LIMIT 1;
```

#### OUTPUT:

package_id	package_name	destination	booking_count
1	Paris Explorer	Paris, France	5

**2. Retrieve travelers who booked for the Tour after its start date.**

```
SELECT uc.id, uc.name AS traveler_name, tp.name AS package_name, tp.destination,
       to2.tour_date AS tour_start_date, to2.datetime AS booking_date
  FROM tour_order to2
 JOIN user_cred uc ON to2.user_id = uc.id
 JOIN tour_packages tp ON to2.package_id = tp.package_id
 WHERE to2.datetime > to2.tour_date
 ORDER BY to2.datetime;
```

**OUTPUT:**

<b>id</b>	<b>traveler_name</b>	<b>package_name</b>	<b>destination</b>	<b>tour_start_date</b>	<b>booking_date</b>
1	Alice Cooper	Greek Islands Cruise	Athens, Greece	2025-05-10	2025-05-12 09:00:00
2	Bob Smith	Amazon Rainforest Expedition	Manaus, Brazil	2025-05-15	2025-05-17 10:15:00
3	Carol Johnson	Iceland Northern Lights	Reykjavik, Iceland	2025-05-20	2025-05-25 11:30:00
4	David Brown	African Safari Adventure	Nairobi, Kenya	2025-05-25	2025-05-30 12:45:00
5	Emma Wilson	Venice and Florence Art Tour	Venice, Italy	2025-05-30	2025-06-05 14:00:00

**3. Retrieve the travelers who are senior citizens (>=60)-- Assuming current date is April 24, 2025**

```
SELECT id, name, email, dob, TIMESTAMPDIFF(YEAR, dob, '2025-04-24') AS age
  FROM user_cred
 WHERE TIMESTAMPDIFF(YEAR, dob, '2025-04-24') >= 60
 ORDER BY age DESC;
```

**OUTPUT:**

<b>id</b>	<b>name</b>	<b>email</b>	<b>dob</b>	<b>age</b>
17	Eleanor Davis	eleanor@example.com	1940-03-28	85
16	Robert Miller	robert@example.com	1945-11-10	79
19	Dorothy White	dorothy@example.com	1948-05-30	76
15	Martha Wilson	martha@example.com	1950-07-22	74
18	Thomas Clark	thomas@example.com	1953-09-14	71
14	George Harris	george@example.com	1955-02-15	70

**4. Count travelers having an invalid email ID**

**Valid emails should have "@" anywhere after the first character and should end with ".com"**

```
SELECT COUNT(*) AS invalid_email_count FROM user_cred WHERE email NOT REGEXP '^.+@.+\\\\.com$';
```

**Bonus: List the invalid emails for verification**

```
SELECT id, name, email FROM user_cred WHERE email NOT REGEXP '^.+@.+\\\\.com$' ORDER BY id;
```

**OUTPUT:**

**invalid\_email\_count**

5

<b>id</b>	<b>name</b>	<b>email</b>
24	James Johnson	jamesjohnson.com
25	Sarah Williams	sarah@company
26	Kevin Anderson	kevin@
27	Nicole Brown	nicole.brown@website
28	Eric Taylor	@example.com

## 7. DATABASE IMPLEMENTATION

The screenshot shows a web browser displaying a travel website. The URL in the address bar is `localhost/hbwebsite/index.php`. The page has a dark header with the logo "Travel & Stay". Below the header, there is a large banner featuring a sunset over a city skyline with a swimming pool in the foreground. The banner text reads "Your Dream Stay Awaits" and "Exceptional accommodations and experiences that create lasting memories." A green button labeled "Explore Our Services" is visible in the center of the banner. The main content area below the banner has a title "Our Premium Services" and a subtitle "Everything you need for your perfect stay, all in one place".

localhost/hbwebsite/rooms.php

# Travel & Stay

- Home
- Rooms
- Flights
- Tours
- Contact us
- About

- Login
- Register

## OUR ROOMS

### FILTERS

#### CHECK AVAILABILITY

Check-in  
mm/dd/yyyy

Check-out  
mm/dd/yyyy

#### FACILITIES

Wi-Fi  
 AC  
 TV

**Deluxe Room**



**New York**  
**Features**  
 King Size Bed Mini Bar  
**Facilities**  
 Wi-Fi AC TV Wi-Fi AC TV  
**Guests**  
 2 Adults 1 Children

**\$200 per night**  
[Book Now](#)  
[More details](#)

**Premium Suite**



**Los Angeles**  
**Features**  
 King Size Bed Ocean View Balcony Mini Bar  
**\$350 per night**  
[More details](#)

localhost/hbwebsite/flights.php

# Travel & Stay

- Home
- Rooms
- Flights
- Tours
- Contact us
- About

- Login
- Register

## AVAILABLE FLIGHTS

### FILTERS

Departure Date  
mm/dd/yyyy

From (Departure City)

To (Arrival City)

Airline

**Delta Airlines**

**From:** New York  
**To:** Los Angeles  
**Departure:** 2025-05-10 08:00:00  
**Arrival:** 2025-05-10 11:30:00  
**Seats Available:** 50

**\$350.00 per ticket**  
[More details](#)

**American Airlines**

**From:** Chicago  
**To:** Miami  
**Departure:** 2025-05-15 10:30:00  
**Arrival:** 2025-05-15 14:45:00  
**Seats Available:** 35

**\$400.00 per ticket**  
[More details](#)

localhost/hbwebsite/tours.php

## AVAILABLE TOURS

### FILTERS

Destination

Duration

Max Price (per adult)



### Paris Explorer

Destination: Paris, France

Duration: 5 days

Description:

Explore the beautiful city of Paris including the Eiffel Tower, Louvre Museum, and more....

Price per adult: \$1200.00

Price per child: \$1200.00

[Book Now](#)

[More details](#)



### Bali Relaxation

Destination: Bali, Indonesia

Duration: 8 days

Description:

Relax in the beautiful beaches and cultural spots of Bali....

Price per adult: \$1300.00

Price per child: \$1300.00

[Book Now](#)

[More details](#)

## CONTACT US



### Address

123 Travel Street, Tourism City

### Send a message

Name

Email

Subject

Message

## Our Premium Services

Everything you need for your perfect stay, all in one place



### Tour Bookings

Explore curated tours and unforgettable experiences tailored just for you.

## Why Choose Us

Stay with confidence knowing you're in good hands

**10+**

Years of Service

**200+**

Premium Rooms

**30K+**

Happy Guests

**24/7**

Customer Support

## ABOUT US

We are here to help you book your next best vacation

### Discover Houston Through the Eyes of Locals

Welcome! We're not just another tour company; we're a team of passionate Houstonians who believe the best way to experience our vibrant city is through the stories and perspectives of those who call it home. Tired of the same old tourist traps? So were we! That's why we created unique and immersive tours that delve into the authentic heart of Houston, from its historic neighborhoods to its buzzing culinary scene.



## 8. CONCLUSION

To summarize, the primary objective of the project was to design a comprehensive and secure system for managing travel and tour reservations, underlying it with a sophisticated database management system. Our application proves that we value user experience simplification from both the passengers as well as the service providers' sides while maintaining security and ease in the booking process.

All entities have preserved the accuracy and coherence of data, in our case, by observing the defined business processes. The architecture of our database is excellently built upon by our Entity Relationship Diagram (ERD), which superbly illustrates the relationships between tour packages, reservations, and users. The data dictionary is granular enough to enable non-experts envision the design of the system by describing the data, their interrelations, and structure with rich transparency promoting metadata.

Furthermore, the SQL queries that we executed, feature prominently in identifying the most active reservations, validating users and performing demographic analysis, therefore proving the efficiency and completeness of our system.

The complete demonstration and provided screenshots illustrates the operational flexibility of our system, showing that our implemented database is seamlessly integrated into real-world scenarios. With rigorous testing using a range of validation queries, we ensured the dependability of our platform.

This project illustrates how the travel industry user's reservation systems can be automated and improved by employing a multidisciplinary approach that is thorough, systematic, and innovative, as well as product-oriented on the user's experience.

## 9. MEMBERS AND THEIR CONTRIBUTIONS

All the team members played a pivotal role in the successful completion of the project. We all combined put together our knowledge and expertise to create an effective solution for the problem statement. The collaborative effort of all the members of the team led to the development of the Travel & Stay platform that meets the plethora of needs of travellers and travel administrators.

- Aswin Kumaran Mahesh Kannan (2396017): Worked with frontend development, building interactive user interfaces and for easy navigation.
- Jatin Abit Sai Srungarapu (2408862): Worked with frontend development, enhancing the design and user experience of the website.
- Murtaza Mustafa (2415417): Focused on building frontend development by improving UI and verifying cross-device compatibility.
- Susmitha Dudipalli (2391951): Worked on frontend implementation, revising layout responsiveness and interface usability for the users.
- Aniketh Bharat (2381419): Helped with backend development and DB integration, writing and building core server-side functions.
- Karthik Nunna (2383284): Worked on backend development, managing data flow operations and ensuring safe connectivity across the database.
- Sree Vardhan Sunkara(2410539): Worked on building backend and database development, optimizing queries, and verifying backend logics.
- Preetham C (2214306): Contributed to backend development by helping with DB operations and backend functionalities.
- Ashish Adhikari (2415545): Created and optimized the Entity-Relationship Diagram (ERD), made business rules, and ensured accurate data modeling.
- Harshith Madhavaneni (2405323): Contributed towards backend testing and was in charge for preparing the presentation slides, project report, and documentations.