



KFU
جامعة الملك فيصل
KING FAISAL UNIVERSITY
جامعة ووطن.. نماء.. واستدامة..

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Ministry of Higher Education
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College of Computer Sciences & Information Technology

Tourism Management Agency Database System

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No.	Student Name	Student ID
S1	Hissah Almuhaysh	222433855

Instructor:

Maram Al-Majhad

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1. Introduction

The Tourism Management Agency Database System is designed to revolutionize the manner tourism-associated activities are controlled and facilitated. In today's fast-moving world, the tourism enterprise faces demanding situations in successfully coordinating bookings and different associated services. This system's goals are to deal with those demanding situations through offering a centralized platform.

Tourists' requirements and travel agents' services form the foundation of the Tourism Management Agency Database System. **Travel agencies** are used by both individual and group tourists to plan and coordinate their travels. Travel agencies can have thorough client profiles with all their information and travel history on file, which they can use to recommend or assign **hotels** or **airlines** and effectively manage bookings and reservations, guaranteeing **Tourists** a unique travel experience.

Hotels and airlines play important roles in the tourism industry, and effective management is critical to customer satisfaction. The travel agency makes the selections for flights and hotels. **The hotel** provides ratings, pricing, and availability of rooms. **Airlines** can also include information such as prices, arrival time, ratings, etc. A tourists' whole travel experience is improved by a smooth process of hotels and airlines, enhancing the overall travel experience for tourists.

In conclusion, the Tourism Management Agency Database System offers a central platform that transforms the facilitation and control of tourism-related operations. Technology facilitates the smooth management of **bookings** and guarantees an enjoyable trip for **tourists** by perfectly combining the needs of tourists with the services provided by **travel agencies**. The approach also improves the processes of **hotels and airlines**, improving overall customer pleasure, while acknowledging the important role that these businesses play in the tourism industry. The tourist Management Agency Database System solves the difficulties facing the tourism industry by providing a comprehensive solution for efficiently organizing and supporting great travel experiences.

2. System Analysis

A. List of users

- **Tourists**
- **Travel Agents**
- **Hotels**
- **Airlines**

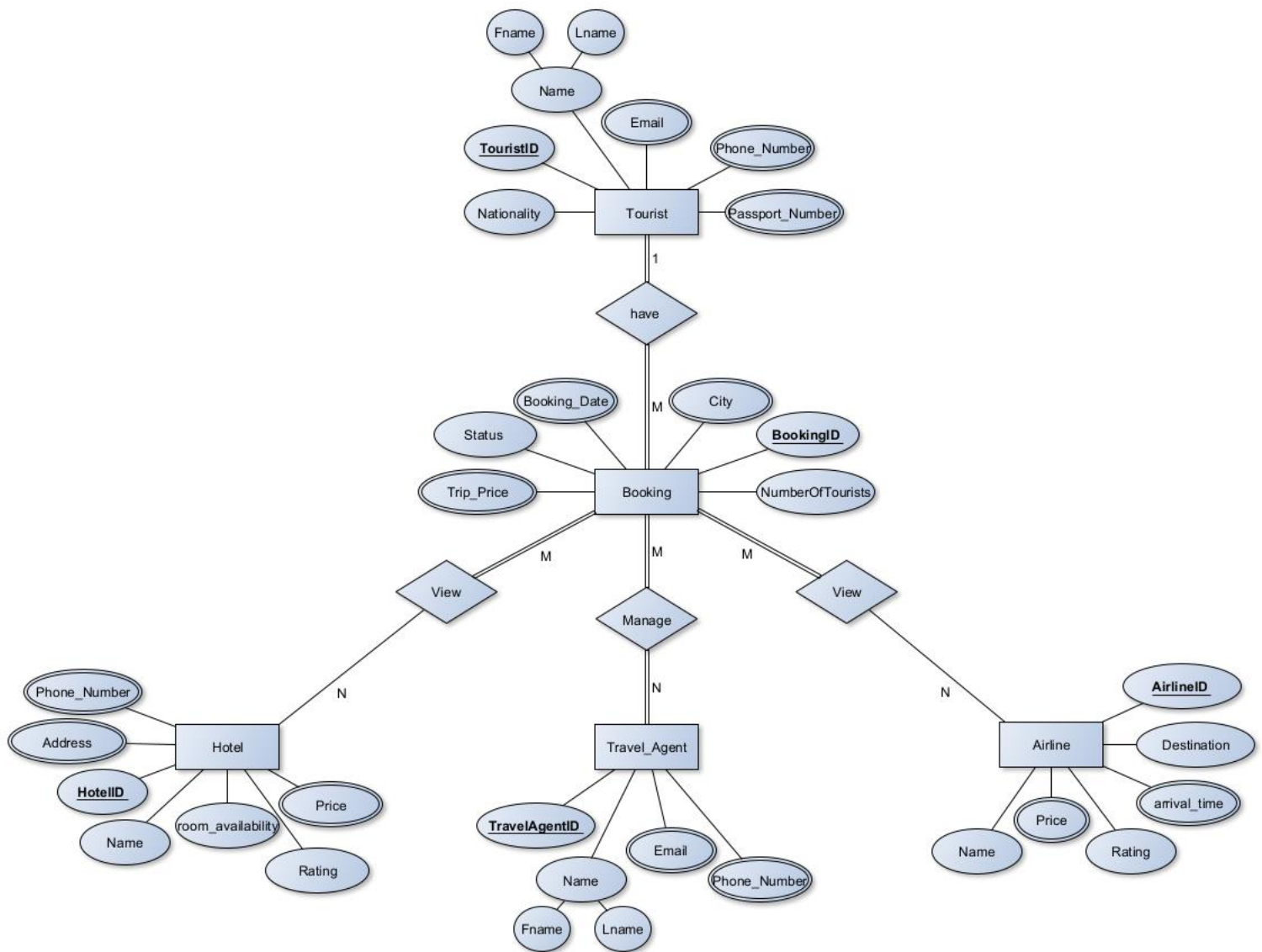
B. List of main functions

- **Agency add Tourists who** can book tours and provide details of the trip.
- **Agency add Travel Agents who** can manage bookings on behalf of tourists, track commissions, and provide assistance during the booking process.
- **Agency add Hotels who** They are assigned by Travel Agents and can view bookings to generate reports to optimize operations, providing details about prices and ratings.
- **Agency add Airlines who** They are assigned by Travel Agents and can view their bookings, provide information about flights such as arrival times, and manage flight-related details.

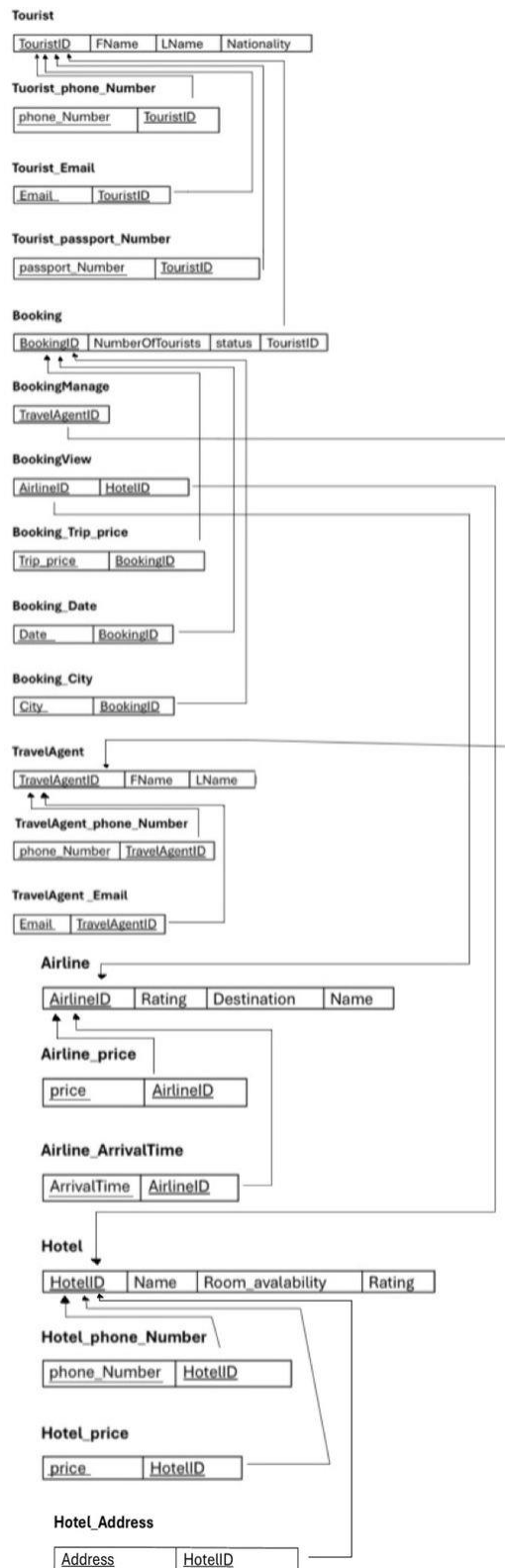
C. List of main reports

1. **Booking Reports:**
Summary of all bookings made by tourists, including tour details, booking dates, and status.
2. **Hotel Operations Reports:**
Reports generated by hotels to optimize operations, including rates, prices, room availability.
3. **Flight Booking Reports:**
Summary of flight bookings made by airlines, including flight details, arrival times, and Destination...

3. Database Conceptual Design (ERD)



4. Logical Design (Relational Schema)



5. Physical Design

Table name: Tourist

Column name	ToristID	FName	LName	Nationality
Key type	PK			
Not null=NN Unique =UN		NN	NN	NN
Check				
Data type	Number	Varchar2	varchar2	Varchar2
Length	10	30	30	50

Create table tourist (

TouristID number(10) ,

Fname varchar2(30) not null ,

Lname varchar2(30) not null ,

Nationality varchar2(50) not null,

Primary key (touristID)

);

Table name: Tourist_phone_Number

Column name	Phone_number	ToristID
Key type	PK	FK
Not null=NN Unique =UN		
Check		
Data type	Number	Number
Length	10	10

CREATE TABLE Tourist_phone_Number (

Phone_number NUMBER(10) CONSTRAINT Phone_number_pk PRIMARY KEY,

TouristID NUMBER(10) CONSTRAINT TouristID_FK REFERENCES tourist(TouristID)

);

Table name: Tourist_Email

Column name	Email	ToristID
Key type	PK	FK
Not null=NN Unique =UN		
Check		
Data type	Varchar2	Number
Length	30	10

CREATE TABLE Tourist_Email(

Email varchar2(30) CONSTRAINT Email_pk PRIMARY KEY,

TouristID NUMBER(10) CONSTRAINT TouristID_Email_FK REFERENCES tourist(TouristID)

);

Table name: Tourist_Passport_Number

Column name	Passport_number	ToristID
Key type	PK	FK
Not null=NN Unique =UN	UN	
Check		
Data type	Number	Number
Length	10	10

CREATE TABLE Tourist_Passport_Number (

Passport_Number number(10) CONSTRAINT Passport_Number_pk PRIMARY KEY,

TouristID NUMBER(10) CONSTRAINT TouristID_Passport_Number_FK REFERENCES tourist(TouristID)

);

Table name:Booking

Column name	BookingID	NumberOfTourists	Status	ToristID
Key type	PK			FK
Not null=NN Unique =UN		NN	NN	
Check				
Data type	Number	Number	Varchar2	Number
Length	10	10	20	10

```

CREATE TABLE Booking (
    BookingID NUMBER(10) PRIMARY KEY,
    NumberOfTourists NUMBER(10) NOT NULL,
    Status VARCHAR2(20) NOT NULL,
    TouristID NUMBER(10),
    CONSTRAINT touristID_booking_FK FOREIGN KEY (TouristID) REFERENCES Tourist(TouristID));

```

Table name:Booking_Trip_price

Column name	Trip_price	ToristID
Key type	PK	FK
Not null=NN Unique =UN		
Check		
Data type	Number	Number
Length	10	10

```

CREATE TABLE Booking_Trip_price (
    Trip_price NUMBER(10),
    TouristID NUMBER(10),
    CONSTRAINT PK_Trip PRIMARY KEY (Trip_price),
    CONSTRAINT FK_Trip_Tourist FOREIGN KEY (TouristID) REFERENCES Tourist(TouristID)
);

```

Table name:Booking_Date

Column name	Booking_date	ToristID
Key type	PK	FK
Not null=NN Unique =UN	NN	
Check		
Data type	TO_DATE	Number
Length		10

```

CREATE TABLE Booking_DATE (
    Booking_date DATE NOT NULL,
    TouristID NUMBER(10),
    CONSTRAINT PK_Booking PRIMARY KEY (Booking_date),
    CONSTRAINT FK_Booking_Tourist FOREIGN KEY (TouristID) REFERENCES Tourist(TouristID)
);

```

Table name:Booking_City

Column name	City	ToristID
Key type	PK	FK
Not null=NN Unique =UN	NN	
Check		
Data type	Varchar2	Number
Length	20	10

```

CREATE TABLE Booking_city (
    City VARCHAR2(20),
    TouristID NUMBER(10),
    CONSTRAINT PK_City PRIMARY KEY (City),
    CONSTRAINT FK_City_Tourist FOREIGN KEY (TouristID) REFERENCES Tourist(TouristID)
);

```

Table name: Travel_agent

Column name	TravelAgentID	FName	LName
Key type	PK		
Not null=NN Unique =UN		NN	NN
Check			
Data type	Number	Varchar2	Varchar2
Length	10	30	30

```

CREATE TABLE TravelAgent (
    TravelAgentID NUMBER(10) PRIMARY KEY,
    FName VARCHAR2(30) NOT NULL,
    LName VARCHAR2(30) NOT NULL
);

```

Table name: TravelAgent_phone_Number

Column name	Phone_number	TravelAgentID
Key type	PK	FK
Not null=NN Unique =UN	NN	
Check		
Data type	Number	Number
Length	10	10

CREATE TABLE TravelAgent_Phone_number (

Phone_number NUMBER(10) PRIMARY KEY,

TravelAgentID NUMBER(10) NOT NULL,

**CONSTRAINT FK_TravelAgent_Phone FOREIGN KEY (TravelAgentID) REFERENCES
TravelAgent(TravelAgentID)**

);

Table name: TravelAgent_Email

Column name	Email	TravelAgentID
Key type	PK	FK
Not null=NN Unique =UN		
Check		
Data type	Varchar2	Number
Length	30	10

CREATE TABLE TravelAgent_Email (

Email VARCHAR2(30) PRIMARY KEY,

TravelAgentID NUMBER(10) NOT NULL,

**CONSTRAINT FK_TravelAgent_Email_TravelAgentID FOREIGN KEY (TravelAgentID) REFERENCES
TravelAgent(TravelAgentID)**

);

Name table: Airline

Column name	AirlineID	Name	Rating	Destination
Key type	PK			
Not null=NN Unique =UN		NN	NN	NN
Check				
Data type	Number	Varchar 2	Char	Varchar2
Length	10	20	20	30

```

CREATE TABLE Airline (
    AirlineID NUMBER(10) PRIMARY KEY,
    Name VARCHAR2(20) NOT NULL,
    Rating CHAR(2) NOT NULL,
    Destination VARCHAR2(30) NOT NULL
);

```

Name table: Airline_price

Columnname	Price	AirlineID
Key type	PK	FK
Not null=NN Unique =UN	NN	
Check		
Data type	Number	Number
Length	10	10

```

CREATE TABLE Airline_price (
    Price NUMBER(10) NOT NULL,
    AirlineID NUMBER(10),
    CONSTRAINT PK_Flight PRIMARY KEY (Price),
    CONSTRAINT FK_Flight_Airline FOREIGN KEY (AirlineID) REFERENCES Airline(AirlineID)
);

```

Name table: Airline_ArrivalTime

Column name	Arrival_time	AirlineID
Key type	PK	FK
Not null=NN Unique =UN	NN	
Check		
Data type	TO_DATE	Number
Length		10

```

CREATE TABLE Airline_Arrivaltime (
  Arrival_time DATE NOT NULL,
  AirlineID NUMBER(10),
  CONSTRAINT PK_Flight_Arrival PRIMARY KEY (Arrival_time),
  CONSTRAINT FK_Flight_Arrival_Airline FOREIGN KEY (AirlineID) REFERENCES Airline(AirlineID)
);

```

Table name: Hotel

Column name	HotelID	Name	Room_availability	Rating
Key type	PK			
Not null=NN Unique =UN		NN	NN	
Check				
Data type	Number	Varchar2	Char	Varchar2.
Length	10	30	20	20

```

CREATE TABLE Hotel (
  HotelID NUMBER(10) PRIMARY KEY,
  Name VARCHAR2(30) NOT NULL,
  Room_availability CHAR(20) NOT NULL,
  Rating VARCHAR2(20) NOT NULL
);

```

Table name: Hotel_phone_Number

Column name	Phone_number	HotlelID
Key type	PK	FK
Not null=NN Unique =UN	NN	
Check		
Data type	Number	Number.
Length	10	10

```
CREATE TABLE Hotel_Phone (  
    Phone_number NUMBER(10) PRIMARY KEY,  
    HotlelID NUMBER(10) NOT NULL,  
    CONSTRAINT FK_Hotel_Phone_HotelID FOREIGN KEY (HotlelID) REFERENCES Hotel(HotelID)  
);
```

Table name: Hotel_Price

Column name	Price	HotlelID
Key type	PK	FK
Not null=NN Unique =UN	NN	
Check		
Data type	Number	Number.
Length	10	10

```
CREATE TABLE Hotel_Price (  
    Price NUMBER(10) PRIMARY KEY,  
    HotlelID NUMBER(10) NOT NULL,  
    CONSTRAINT FK_Hotel_Price_HotelID FOREIGN KEY (HotlelID) REFERENCES Hotel(HotelID)  
);
```

Table name: Hotel_Address

Column name	Address	HotelID
Key type	PK	FK
Not null=NN Unique =UN	UN	
Check		
Data type	Varchar2	Number.
Length	20	10

```

CREATE TABLE Hotel_Address (
  Address VARCHAR2(20),
  HotelID NUMBER(10),
  CONSTRAINT PK_Hotel_Address PRIMARY KEY (Address),
  CONSTRAINT FK_Hotel_Address_HotelID FOREIGN KEY (HotelID) REFERENCES Hotel(HotelID)
);

```

Table name:BookingManage

Columnname	TravelAgentID
Key type	FK
Not null=NN Unique =UN	
Check	
Data type	Number
Length	10

```

CREATE TABLE BookingManage (
  TravelAgentID NUMBER(10),
  CONSTRAINT FK_Booking_TravelAgentID FOREIGN KEY (TravelAgentID) REFERENCES TravelAgent(TravelAgentID)
);

```

Table name:BookingView

Columnname	AirlineID	HotlelID
Key type	FK	FK
Not null=NN Unique =UN		
Check		
Data type	Number	Number
Length		10

```
CREATE TABLE BookingView (  
    AirlineID NUMBER(10),  
    HotelID NUMBER(10),  
    CONSTRAINT FK_FlightHotel_AirlineID FOREIGN KEY (AirlineID) REFERENCES Airline(AirlineID),  
    CONSTRAINT FK_FlightHotel_HotelID FOREIGN KEY (HotelID) REFERENCES Hotel(HotelID)  
);
```


6. Populate Database

Tourist

INSERT INTO Tourist (TouristID, FName, LName, Nationality)
VALUES (101, 'William', 'Doe', 'British');

TouristID	FName	LName	Nationality
101	William	Doe	British
102	Nancy	Smith	American
103	Suki	Tanaka	Japanese
104	Bruce	Rodgers	American

INSERT INTO Tourist (TouristID, FName, LName, Nationality)
VALUES (102, 'Nancy', 'Smith', 'American');

INSERT INTO Tourist (TouristID, FName, LName, Nationality)
VALUES (103, 'Suki', 'Tanaka', 'Japanese');

INSERT INTO Tourist (TouristID, FName, LName, Nationality)
VALUES (104, 'Bruce', 'Rodgers', 'American');

The screenshot shows the APEX SQL Workshop interface. At the top, there's a navigation bar with 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar is on the right. Below the navigation bar, the 'SQL Commands' tab is active, showing the query 'SELECT * FROM Tourist;'. The 'Run' button is highlighted. Below the query, the 'Results' tab is active, displaying a table with 4 rows. The table has columns: TOURISTID, FNAME, LNAME, and NATIONALITY. The rows contain data for William Doe (British), Suki Tanaka (Japanese), Bruce Rodgers (American), and Nancy Smith (American). At the bottom, it says '4 rows returned in 0.01 seconds' and there is a 'Download' link.

TOURISTID	FNAME	LNAME	NATIONALITY
101	William	Doe	British
103	Suki	Tanaka	Japanese
104	Bruce	Rodgers	American
102	Nancy	Smith	American

4 rows returned in 0.01 seconds [Download](#)

Tourist_phone_Number

TouristID	Phone_Num
101	5677437755
102	1155589944
103	2346569998
104	5873679977

INSERT INTO Tourist_Phone_number (Phone_number, TouristID)

VALUES (5677437755, 101);

INSERT INTO Tourist_Phone_number (Phone_number, TouristID)

VALUES (1155589944, 102);

INSERT INTO Tourist_Phone_number (Phone_number, TouristID)

VALUES (2346569998, 103);

INSERT INTO Tourist_Phone_number (Phone_number, TouristID)

VALUES (5873679977, 104);

APEX App Builder SQL Workshop Team Development Gallery

Search Project DBCD dbcd_project

SQL Commands Schema WKSP_DBCDPROJECT

Language SQL Rows 10 Clear Command Find Tables Save Run

1 SELECT * FROM Tourist_phone_number;

Results Explain Describe Saved SQL History

PHONE_NUMBER	TOURISTID
1155589944	102
5677437755	101
2346569998	103
5873679977	104

4 rows returned in 0.03 seconds Download

Tourist_Email

TouristID	Email
101	William@mymail.com
102	nanhalf@freemail.com
103	Sup@ggmail.com
104	brodgers@coolmail.com

INSERT INTO Tourist_Email (Email, TouristID)

VALUES ('william@mymail.com', 101);

INSERT INTO Tourist_Email (Email, TouristID)

VALUES ('nanhalf@freemail.com', 102);

INSERT INTO Tourist_Email (Email, TouristID)

VALUES ('sup@ggmail.com', 103);

INSERT INTO Tourist_Email (Email, TouristID)

VALUES ('brodgers@coolmail.com', 104);

The screenshot displays the Oracle APEX SQL Workshop interface. At the top, the navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and a 'Project DBCD' dropdown are also visible. The main area is titled 'SQL Commands' and shows a schema dropdown set to 'WKSP_DBCDPROJECT'. Below this, the 'Language' is set to 'SQL' and 'Rows' to '10'. The SQL command entered is 'SELECT * FROM Tourist_Email;'. The 'Run' button is highlighted in green. Below the command area, the 'Results' tab is active, showing a table with two columns: 'EMAIL' and 'TOURISTID'. The table contains four rows of data, matching the data in the 'Tourist_Email' table shown at the top of the page. At the bottom, it indicates '4 rows returned in 0.05 seconds' and provides a 'Download' link.

EMAIL	TOURISTID
william@mymail.com	101
nanhalf@freemail.com	102
sup@ggmail.com	103
brodgers@coolmail.com	104

4 rows returned in 0.05 seconds [Download](#)

Tourist_passport_Number

TouristID	Passport_Num
101	560333040
102	500304988
103	123456763
104	478553459

INSERT INTO Tourist_Passport_number (Passport_number, TouristID)

VALUES (560333040, 101);

INSERT INTO Tourist_Passport_number (Passport_number, TouristID)

VALUES (500304988, 102);

INSERT INTO Tourist_Passport_number (Passport_number, TouristID)

VALUES (123456763, 103);

INSERT INTO Tourist_Passport_number (Passport_number, TouristID)

VALUES (478553459, 104);

The screenshot displays the APEX SQL Workshop interface. At the top, the navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and user profile are on the right. Below the navigation bar, the 'SQL Commands' section shows a schema dropdown set to 'WKSP_DBCDPROJECT'. The command area contains the SQL query: `SELECT * FROM Tourist_passport_number;`. Below the command area, the 'Results' tab is active, showing a table with two columns: 'PASSPORT_NUMBER' and 'TOURISTID'. The table contains four rows of data. At the bottom, a status bar indicates '4 rows returned in 0.01 seconds' and provides a 'Download' link.

PASSPORT_NUMBER	TOURISTID
560333040	101
500304988	102
123456763	103
478553459	104

4 rows returned in 0.01 seconds [Download](#)

Booking

BOOKINGID	NUMOFTOURISTS	STATUS	TouristID
101	16	Confirmed	101
102	12	Pending	102
103	8	Cancelled	103
104	21	Confirmed	104

INSERT INTO Booking (BookingID, NumberOfTourists, Status, TouristID)
VALUES (101, 16, 'Confirmed', 101);

INSERT INTO Booking (BookingID, NumberOfTourists, Status, TouristID)
VALUES (102, 12, 'Pending', 102);

INSERT INTO Booking (BookingID, NumberOfTourists, Status, TouristID)
VALUES (103, 8, 'Cancelled', 103);

INSERT INTO Booking (BookingID, NumberOfTourists, Status, TouristID)
VALUES (104, 21, 'Confirmed', 104);

The screenshot shows the Oracle APEX SQL Workshop interface. At the top, there are tabs for 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. The 'SQL Workshop' tab is active. Below the tabs, there is a search bar and a 'Project DBCD' button. The main area is titled 'SQL Commands' and shows a query editor with the text 'SELECT * FROM booking;'. Below the editor, there are buttons for 'Save' and 'Run'. The 'Run' button has been clicked, and the results are displayed in a table. The table has four columns: 'BOOKINGID', 'NUMEROFTOURISTS', 'STATUS', and 'TOURISTID'. The results show four rows of data: (101, 16, Confirmed, 101), (104, 21, Confirmed, 104), (103, 8, Cancelled, 103), and (102, 12, Pending, 102). At the bottom of the results, it says '4 rows returned in 0.01 seconds' and there is a 'Download' button.

BOOKINGID	NUMEROFTOURISTS	STATUS	TOURISTID
101	16	Confirmed	101
104	21	Confirmed	104
103	8	Cancelled	103
102	12	Pending	102

4 rows returned in 0.01 seconds [Download](#)

Booking_trip_price

TRIP_PRICE	BOOKINGID
356	101
228	102
389	103
340	104

```
INSERT INTO Booking_Trip_Price (TouristID, Trip_price)
VALUES (101, 356);
```

```
INSERT INTO Booking_Trip_Price (TouristID, Trip_price)
VALUES (102, 228);
```

```
INSERT INTO Booking_Trip_Price (TouristID, Trip_price)
VALUES (103, 389);
```

```
INSERT INTO Booking_Trip_Price (TouristID, Trip_price)
VALUES (104, 340);
```

The screenshot displays the APEX SQL Workshop interface. At the top, there's a navigation bar with 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and user profile are on the right. Below this, the 'SQL Commands' section shows a schema dropdown set to 'WKSP_DBCDPROJECT'. The 'Language' is set to 'SQL' and 'Rows' to '10'. The SQL command entered is 'SELECT * FROM Booking_trip_price;'. The 'Results' tab is active, showing a table with two columns: 'TRIP_PRICE' and 'TOURISTID'. The table contains four rows of data: (356, 101), (389, 103), (228, 102), and (340, 104). At the bottom, it states '4 rows returned in 0.00 seconds' and provides a 'Download' link.

TRIP_PRICE	TOURISTID
356	101
389	103
228	102
340	104

Booking_Date

BOOKING_DATE	BOOKINGID
5/5/2024	101
4/20/2024	102
6/12/2024	103
4/21/2024	104

```
INSERT INTO Booking_Date (TouristID, Booking_date)
VALUES (101, TO_DATE('2024-05-05', 'YYYY-MM-DD'));
```

```
INSERT INTO Booking_Date (TouristID, Booking_date)
VALUES (102, TO_DATE('2024-04-20', 'YYYY-MM-DD'));
```

```
INSERT INTO Booking_Date (TouristID, Booking_date)
VALUES (103, TO_DATE('2024-06-12', 'YYYY-MM-DD'));
```

```
INSERT INTO Booking_Date (TouristID, Booking_date)
VALUES (104, TO_DATE('2024-04-21', 'YYYY-MM-DD'));
```

The screenshot displays the APEX SQL Workshop interface. At the top, there's a navigation bar with 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and user profile are on the right. Below this, the 'SQL Commands' section shows a schema dropdown set to 'WKSP_DBCDPROJECT'. The 'Language' is set to 'SQL' and 'Rows' to '10'. The SQL command entered is 'SELECT * FROM Booking_Date;'. Below the command, the 'Results' tab is active, showing a table with two columns: 'BOOKING_DATE' and 'TOURISTID'. The table contains four rows of data. At the bottom, it states '4 rows returned in 0.00 seconds' and provides a 'Download' link.

BOOKING_DATE	TOURISTID
05/05/2024	101
04/20/2024	102
04/21/2024	104
06/12/2024	103

4 rows returned in 0.00 seconds [Download](#)

Booking_City

CITY	BOOKINGID
London	101
Dubai	102
Rome	103
Tokyo	104

INSERT INTO Booking_City (TouristID, City)

VALUES (101, 'London');

INSERT INTO Booking_City (TouristID, City)

VALUES (102, 'Dubai');

INSERT INTO Booking_City (TouristID, City)

VALUES (103, 'Rome');

INSERT INTO Booking_City (TouristID, City)

VALUES (104, 'Tokyo');

The screenshot displays the APEX SQL Workshop interface. At the top, the navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and user profile icons are on the right. Below the navigation bar, the 'SQL Commands' section shows a schema dropdown set to 'WKSP_DBCDPROJECT'. The 'Language' is set to 'SQL' and 'Rows' to '10'. The SQL command entered is 'SELECT * FROM Booking_City ;'. The 'Run' button is highlighted in green. Below the command, the 'Results' tab is active, showing a table with two columns: 'CITY' and 'TOURISTID'. The table contains four rows of data: London (101), Rome (103), Dubai (102), and Tokyo (104). At the bottom, it states '4 rows returned in 0.01 seconds' with a 'Download' link.

CITY	TOURISTID
London	101
Rome	103
Dubai	102
Tokyo	104

4 rows returned in 0.01 seconds [Download](#)

Hotel

HOTELID	NAME	ROOM_AVAILABILITY	RATING
101	Claridges	Available	Five Stars
102	Hyatt Regency	Available	Five Stars
103	Hoshinoya	Limited	Four Stars
104	Royal Plaza	No Available	Five Stars

```

INSERT INTO Hotel (HotelID, Name, Room_availability, Rating)
VALUES (101, 'Claridges', 'Available', 'Five Stars');
INSERT INTO Hotel (HotelID, Name, Room_availability, Rating)
VALUES (102, 'Hyatt Regency', 'Available', 'Five Stars');
INSERT INTO Hotel (HotelID, Name, Room_availability, Rating)
VALUES (103, 'Hoshinoya', 'Limited', 'Four Stars');
INSERT INTO Hotel (HotelID, Name, Room_availability, Rating)
VALUES (104, 'Royal Plaza', 'Not Available', 'Five Stars');

```

The screenshot shows the APEX SQL Workshop interface. The SQL Commands pane contains the query: `SELECT * FROM hotel;`. The Results pane displays the following data:

HOTELID	NAME	ROOM_AVAILABILITY	RATING
101	Claridges	Available	Five Stars
102	Hyatt Regency	Available	Five Stars
103	Hoshinoya	Limited	Four Stars
104	Royal Plaza	Not Available	Five Stars

4 rows returned in 0.01 seconds

Hotel_phone_number

PHONE_NUM	HOTELID
1234567890	101
2893781177	102
5031348096	103
567377966	104

INSERT INTO Hotel_Phone_Number (Phone_number, HotelID)

VALUES (1234567890, 101);

INSERT INTO Hotel_Phone_Number (Phone_number, HotelID)

VALUES (2893781177, 102);

INSERT INTO Hotel_Phone_Number (Phone_number, HotelID)

VALUES (5031348096, 103);

INSERT INTO Hotel_Phone_Number (Phone_number, HotelID)

VALUES (567377966, 104);

The screenshot displays the APEX SQL Workshop interface. At the top, there's a navigation bar with 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and user profile are on the right. Below this, the 'SQL Commands' section shows a query: `SELECT * FROM hotel_phone_number ;`. The 'Results' tab is active, showing a table with two columns: 'PHONE_NUMBER' and 'HOTELID'. The table contains four rows of data. At the bottom, it states '4 rows returned in 0.02 seconds' with a 'Download' link.

PHONE_NUMBER	HOTELID
567377966	104
1234567890	101
2893781177	102
5031348096	103

4 rows returned in 0.02 seconds [Download](#)

Hotel_price

PRICE	HOTELID
1412	101
249	102
1643	103
979	104

INSERT INTO Hotel_Price (HotelID, Price)

VALUES (101, 1412);

INSERT INTO Hotel_Price (HotelID, Price)

VALUES (102, 249);

INSERT INTO Hotel_Price (HotelID, Price)

VALUES (103, 1643);

INSERT INTO Hotel_Price (HotelID, Price)

VALUES (104, 979);

The screenshot displays the APEX SQL Workshop interface. At the top, the navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and user profile icons are on the right. Below the navigation bar, the 'SQL Commands' section shows a schema dropdown set to 'WKSP_DBCDPROJECT'. The 'Language' is set to 'SQL' and 'Rows' to '10'. The SQL command entered is 'SELECT * FROM hotel_price ;'. The 'Run' button is highlighted in green. Below the command, the 'Results' tab is active, showing a table with two columns: 'PRICE' and 'HOTELID'. The table contains four rows of data: (1412, 101), (979, 104), (249, 102), and (1643, 103). At the bottom left, it states '4 rows returned in 0.02 seconds' with a 'Download' link.

PRICE	HOTELID
1412	101
979	104
249	102
1643	103

Hotel_Address

ADDRESS	HOTELID
'41 - 43 Brook Street'	101
'Al Khaleej Road'	102
'Otemachi'	103
'25 Scotts Road'	104

INSERT INTO Hotel_Address (HotelID, Address)

VALUES (101, '41 - 43 Brook Street');

INSERT INTO Hotel_Address (HotelID, Address)

VALUES (102, 'Al Khaleej Road');

INSERT INTO Hotel_Address (HotelID, Address)

VALUES (103, 'Otemachi');

INSERT INTO Hotel_Address (HotelID, Address)

VALUES (104, '25 Scotts Road');

The screenshot displays the APEX SQL Workshop interface. At the top, the navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and a 'Project DBCD' dropdown are also visible. The main area is titled 'SQL Commands' and shows a schema of 'WKSP_DBCDPROJECT'. The SQL command entered is 'SELECT * FROM hotel_address;', which has been executed. The results are displayed in a table with two columns: 'ADDRESS' and 'HOTELID'. The table contains four rows of data. Below the table, it states '4 rows returned in 0.03 seconds' and provides a 'Download' link.

ADDRESS	HOTELID
Al Khaleej Road	102
Otemachi	103
41 - 43 Brook Street	101
25 Scotts Road	104

4 rows returned in 0.03 seconds [Download](#)

Airline

AirlineID	Rating	Name	Destination
101	3	American Airlines	London
102	4	Emirates	Dubai
103	5	Japan Airlines	Tokyo
104	5	Singapore Airlines	Singapore

INSERT INTO Airline (AirlineID, Rating, Name, Destination)

VALUES (101, 3, 'American Airlines', 'London');

INSERT INTO Airline (AirlineID, Rating, Name, Destination)

VALUES (102, 4, 'Emirates', 'Dubai');

INSERT INTO Airline (AirlineID, Rating, Name, Destination)

VALUES (103, 5, 'Japan Airlines', 'Tokyo');

INSERT INTO Airline (AirlineID, Rating, Name, Destination)

VALUES (104, 5, 'Singapore Airlines', 'Singapore');

The screenshot shows the Oracle APEX SQL Workshop interface. The SQL command entered is `SELECT * FROM airline ;`. The results are displayed in a table with the following data:

AIRLINEID	NAME	RATING	DESTINATION
101	American Airlines	3	London
102	Emirates	4	Dubai
104	Singapore Airlines	5	Singapore
103	Japan Airlines	5	Tokyo

4 rows returned in 0.01 seconds

Airline_price

Price	AirlineID
607	101
644	102
1628	103
1829	104

INSERT INTO Airline_Price (Price, AirlineID)

VALUES (607, 101);

INSERT INTO Airline_Price (Price, AirlineID)

VALUES (644, 102);

INSERT INTO Airline_Price (Price, AirlineID)

VALUES (1628, 103);

INSERT INTO Airline_Price (Price, AirlineID) VALUES (1829, 104);

The screenshot displays the APEX SQL Workshop interface. At the top, the navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and a 'Project DBCD' dropdown are also present. The 'SQL Commands' section shows a query: `1 SELECT * FROM airline_price ;`. Below the command area, the 'Results' tab is active, displaying a table with two columns: 'PRICE' and 'AIRLINEID'. The table contains four rows of data: (1628, 103), (1829, 104), (607, 101), and (644, 102). At the bottom of the results, it states '4 rows returned in 0.02 seconds' with a 'Download' link.

PRICE	AIRLINEID
1628	103
1829	104
607	101
644	102

4 rows returned in 0.02 seconds [Download](#)

Airline_ArrivalTime

Arrival_time	AirlineID
05/11/2024	101
04/05/2024	102
04/25/2024	103
05/06/2024	104

INSERT INTO Airline_ArrivalTime (Arrival_time, AirlineID)

VALUES (TO_DATE('05/11/2024', 'MM/DD/YYYY'), 101);

INSERT INTO Airline_ArrivalTime (Arrival_time, AirlineID)

VALUES (TO_DATE('04/05/2024', 'MM/DD/YYYY'), 102);

INSERT INTO Airline_ArrivalTime (Arrival_time, AirlineID)

VALUES (TO_DATE('04/25/2024', 'MM/DD/YYYY'), 103);

INSERT INTO Airline_ArrivalTime (Arrival_time, AirlineID)

VALUES (TO_DATE('05/06/2024', 'MM/DD/YYYY'), 104);

The screenshot displays the Oracle APEX SQL Workshop interface. At the top, the navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and a 'Project DBCD' dropdown are also visible. The main area is titled 'SQL Commands' and shows a schema of 'WKSP_DBCDPROJECT'. The SQL command entered is 'SELECT * FROM airline_Arrivaltime ;'. Below the command, the 'Results' tab is active, displaying a table with two columns: 'ARRIVAL_TIME' and 'AIRLINEID'. The table contains four rows of data: (05/11/2024, 101), (04/05/2024, 102), (04/25/2024, 103), and (05/06/2024, 104). At the bottom, a status message indicates '4 rows returned in 0.02 seconds' with a 'Download' link.

ARRIVAL_TIME	AIRLINEID
05/11/2024	101
04/05/2024	102
04/25/2024	103
05/06/2024	104

TRAVELAGENT

TRAVELAGENTID	FNAME	LNAME
101	Alan	Levi
102	Lisa	Parker
103	Gary	Mull
104	Peter	Smith

```
INSERT INTO TravelAgent (TravelAgentID, Fname, Lname)
VALUES (101, 'Alan', 'Levi');
```

```
INSERT INTO TravelAgent (TravelAgentID, Fname, Lname)
VALUES (102, 'Lisa', 'Parker');
```

```
INSERT INTO TravelAgent (TravelAgentID, Fname, Lname)
VALUES (103, 'Gary', 'Mull');
```

```
INSERT INTO TravelAgent (TravelAgentID, Fname, Lname)
VALUES (104, 'Peter', 'Smith');
```

The screenshot shows the APEX SQL Workshop interface. At the top, there are tabs for 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. The 'SQL Workshop' tab is active. Below the tabs, there is a search bar and a 'Project DBCD' dropdown menu. The main area displays the 'SQL Commands' section with a dropdown for 'Language' set to 'SQL' and a 'Rows' dropdown set to '10'. The command area contains the query: `SELECT * FROM travelagent;`. Below the command area, there are tabs for 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is active, showing a table with 4 rows and 4 columns: TRAVELAGENTID, FNAME, LNAME, and AGENCY. The data is as follows:

TRAVELAGENTID	FNAME	LNAME	AGENCY
101	Alan	Levi	CityScape Travel
102	Lisa	Parker	Empire Excursions
104	Peter	Smith	Times Square Travels
103	Gary	Mull	Broadway Bound

At the bottom of the results section, it says '4 rows returned in 0.01 seconds' and there is a 'Download' link.

TRAVELAGENT_Email

EMAIL	TRAVELAGENTID
alevi@safemail.com	101
lisap@gmail.com	102
garymull@nextmail.com	103
Peter@Mail.com	104

INSERT INTO TravelAgent_Email (Email, TravelAgentID)

VALUES ('alevi@safemail.com', 101);

INSERT INTO TravelAgent_Email (Email, TravelAgentID)

VALUES ('lisap@gmail.com', 102);

INSERT INTO TravelAgent_Email (Email, TravelAgentID)

VALUES ('garymull@nextmail.com', 103);

INSERT INTO TravelAgent_Email (Email, TravelAgentID)

VALUES ('Peter@Mail.com', 104);

The screenshot displays the APEX SQL Workshop interface. At the top, the navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and user profile are on the right. Below the navigation bar, the 'SQL Commands' section shows a schema dropdown set to 'WKSP_DBCDPROJECT'. The 'Language' is set to 'SQL' and 'Rows' to '10'. The SQL command entered is 'SELECT * FROM travelagent_email ;'. The 'Run' button is highlighted in green. Below the command, the 'Results' tab is active, showing a table with two columns: 'EMAIL' and 'TRAVELAGENTID'. The table contains four rows of data: 'lisap@gmail.com' (102), 'garymull@nextmail.com' (103), 'alevi@safemail.com' (101), and 'Peter@Mail.com' (104). At the bottom, a status bar indicates '4 rows returned in 0.01 seconds' and provides a 'Download' link.

EMAIL	TRAVELAGENTID
lisap@gmail.com	102
garymull@nextmail.com	103
alevi@safemail.com	101
Peter@Mail.com	104

4 rows returned in 0.01 seconds [Download](#)

TRAVELAGENT_phone_number

PHONE_NUMBER	TRAVELAGENTID
7894432277	101
1234567632	102
4112335565	103
5877849977	104

INSERT INTO TravelAgent_Phone_Number (Phone_number, TravelAgentID)

VALUES (7894432277, 101);

INSERT INTO TravelAgent_Phone_Number (Phone_number, TravelAgentID)

VALUES (1234567632, 102);

INSERT INTO TravelAgent_Phone_Number (Phone_number, TravelAgentID)

VALUES (4112335565, 103);

INSERT INTO TravelAgent_Phone_Number (Phone_number, TravelAgentID) VALUES (5877849977, 104);

The screenshot displays the Oracle APEX SQL Workshop interface. At the top, the navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and a 'Project DBCD' dropdown are also visible. The main area is titled 'SQL Commands' and shows a schema of 'WKSP_DBCDPROJECT'. The SQL command entered is 'SELECT * FROM travelagent_phone_number ;'. The 'Run' button is highlighted in green. Below the command, the 'Results' tab is active, showing a table with two columns: 'PHONE_NUMBER' and 'TRAVELAGENTID'. The table contains four rows of data: (7894432277, 101), (1234567632, 102), (5877849977, 104), and (4112335565, 103). At the bottom, a status bar indicates '4 rows returned in 0.01 seconds' and provides a 'Download' link.

PHONE_NUMBER	TRAVELAGENTID
7894432277	101
1234567632	102
5877849977	104
4112335565	103

4 rows returned in 0.01 seconds [Download](#)

BookingManage

TravelAgentID
101
102
103
104

INSERT INTO BookingManage (TravelAgentID)

VALUES (101);

INSERT INTO BookingManage (TravelAgentID)

VALUES (102);

INSERT INTO BookingManage (TravelAgentID)

VALUES (103);

INSERT INTO BookingManage (TravelAgentID)

VALUES (104);

The screenshot displays the APEX SQL Workshop interface. At the top, the navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and a 'Project DBCD' dropdown are also visible. The main area is titled 'SQL Commands' and shows the 'Schema' set to 'WKSP_DBCDPROJECT'. The 'Language' is set to 'SQL' and 'Rows' to '10'. The SQL command entered is 'SELECT * FROM bookingmanage;'. Below the command, the 'Results' tab is active, showing a table with the column 'TRAVELAGENTID' and four rows containing the values 101, 102, 103, and 104. At the bottom, a status bar indicates '4 rows returned in 0.02 seconds' and provides a 'Download' link.

TRAVELAGENTID
101
102
103
104

4 rows returned in 0.02 seconds [Download](#)

BookingView

AirlineID	HotelID
101	101
102	102
103	103
104	104

INSERT INTO BookingView (AirlineID, HotelID)

VALUES (101, 101);

INSERT INTO BookingView (AirlineID, HotelID)

VALUES (102, 102);

INSERT INTO BookingView (AirlineID, HotelID)

VALUES (103, 103);

INSERT INTO BookingView (AirlineID, HotelID)

VALUES (104, 104);

The screenshot shows the APEX SQL Workshop interface. At the top, there's a navigation bar with 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar is on the right. Below the navigation bar, the 'SQL Commands' tab is active, showing a schema dropdown set to 'WKSP_DBCDPROJECT'. The SQL command area contains the query: `1 SELECT * FROM bookingview ;`. Below the command area, the 'Results' tab is active, displaying a table with two columns: 'AIRLINEID' and 'HOTELID'. The table contains four rows of data: (103, 103), (101, 101), (104, 104), and (102, 102). At the bottom of the results area, it says '4 rows returned in 0.02 seconds' with a 'Download' link.

AIRLINEID	HOTELID
103	103
101	101
104	104
102	102

4 rows returned in 0.02 seconds [Download](#)

7. Queries

SELECT * FROM Hotel_Price WHERE Price > 300

The screenshot shows the APEX SQL Workshop interface. The top navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and user profile are on the right. The 'SQL Commands' section shows a query: `SELECT * FROM Hotel_Price WHERE Price > 300`. The 'Results' tab is active, displaying a table with two columns: 'PRICE' and 'HOTELID'. The table contains three rows of data. Below the table, it states '3 rows returned in 0.01 seconds' and provides a 'Download' link.

PRICE	HOTELID
1412	101
979	104
1643	103

SELECT * FROM Tourist WHERE Nationality = 'American';

The screenshot shows the APEX SQL Workshop interface. The top navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and user profile are on the right. The 'SQL Commands' section shows a query: `SELECT * FROM Tourist WHERE Nationality = 'American';`. The 'Results' tab is active, displaying a table with four columns: 'TOURISTID', 'FNAME', 'LNAME', and 'NATIONALITY'. The table contains two rows of data. Below the table, it states '2 rows returned in 0.00 seconds' and provides a 'Download' link.

TOURISTID	FNAME	LNAME	NATIONALITY
104	Bruce	Rodgers	American
102	Nancy	Smith	American

SELECT Email FROM TravelAgent_Email;

The screenshot shows the APEX SQL Workshop interface. The top navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and user profile are on the right. The 'SQL Commands' section shows a query: `SELECT Email FROM TravelAgent_Email;`. The 'Results' tab is active, displaying a table with one column: 'EMAIL'. The table contains four rows of data. Below the table, it states '4 rows returned in 0.01 seconds' and provides a 'Download' link.

EMAIL
Peter@Mail.com
alevi@safemail.com
garymull@nextmail.com
lisap@gmail.com

SELECT * FROM Tourist WHERE Lname LIKE 'S%';

APEX App Builder SQL Workshop Team Development Gallery

Search

Project DBCD dbcd_project

SQL Commands

Schema: WKSP_DBCDPROJECT

Language: SQL Rows: 10 Clear Command Find Tables Save Run

```

1 SELECT *
2 FROM Tourist
3 WHERE Lname LIKE 'S%';

```

Results Explain Describe Saved SQL History

TOURISTID	FNAME	LNAME	NATIONALITY
102	Nancy	Smith	American

1 rows returned in 0.01 seconds Download

SELECT * FROM Booking WHERE TouristID = 101 or TouristID = 104;

APEX App Builder SQL Workshop Team Development Gallery

Search

Project DBCD dbcd_project

SQL Commands

Schema: WKSP_DBCDPROJECT

Language: SQL Rows: 10 Clear Command Find Tables Save Run

```

1 SELECT * FROM Booking WHERE TouristID = 101 or TouristID = 104;

```

Results Explain Describe Saved SQL History

BOOKINGID	NUMBEROFTOURISTS	STATUS	TOURISTID
101	16	Confirmed	101
104	21	Confirmed	104

2 rows returned in 0.01 seconds Download

Retrieve the names and ratings of airlines.

APEX App Builder SQL Workshop Team Development Gallery

Search

Project DBCD dbcd_project

SQL Commands

Schema: WKSP_DBCDPROJECT

Language: SQL Rows: 10 Clear Command Find Tables Save Run

```

1 SELECT Name, Rating FROM Airline;
2

```

Results Explain Describe Saved SQL History

NAME	RATING
American Airlines	3
Emirates	4
Singapore Airlines	5
Japan Airlines	5

Retrieve the destination and arrival time of flights sorted by arrival time.

APEX App Builder SQL Workshop Team Development Gallery

Search

Project DBCD dbcd_project

SQL Commands

Schema WKSP_DBCDPROJECT

Language SQL Rows 10 Clear Command Find Tables Save Run

```

1 SELECT A.Destination, F.Arrival_time
2 FROM Airline_ArrivalTime F
3 JOIN Airline A ON F.AirlineID = A.AirlineID
4 ORDER BY F.Arrival_time;
5

```

Results Explain Describe Saved SQL History

DESTINATION	ARRIVAL_TIME
Dubai	04/05/2024
Tokyo	04/25/2024
Singapore	05/06/2024
London	05/11/2024

Retrieve the average trip price booked by tourists.

APEX App Builder SQL Workshop Team Development Gallery

Search

Project DBCD dbcd_project

SQL Commands

Schema WKSP_DBCDPROJECT

Language SQL Rows 10 Clear Command Find Tables Save Run

```

1 SELECT AVG(Trip_price) AS AverageTripPrice
2 FROM Booking_Trip_price;
3

```

Results Explain Describe Saved SQL History

AVERAGETRIPPRICE
328.25

Retrieve all confirmed bookings along with tourist details and destination cities.

APEX App Builder SQL Workshop Team Development Gallery

Search

Project DBCD dbcd_project

SQL Commands

Schema WKSP_DBCDPROJECT

Language SQL Rows 10 Clear Command Find Tables Save Run

```

1 SELECT B.BookingID, B.NumberOfTourists, B.Status, T.FName, T.LName, BC.City
2 FROM Booking B
3 JOIN Tourist T ON B.TouristID = T.TouristID
4 JOIN Booking_City BC ON B.TouristID = BC.TouristID
5 WHERE B.Status = 'Confirmed';

```

Results Explain Describe Saved SQL History

BOOKINGID	NUMBEROFTOURISTS	STATUS	FNAME	LNAME	CITY
101	16	Confirmed	William	Doe	London
104	21	Confirmed	Bruce	Rodgers	Tokyo

Retrieve the contact information of travel agents who have made bookings.

APEX App Builder SQL Workshop Team Development Gallery

Search

Project DBCD dbcd_project

SQL Commands

Schema WKSP_DBCDPROJECT

Language SQL Rows 10 Clear Command Find Tables Save Run

```
1 SELECT DISTINCT TA.FName, TA.LName, TE.Email, TP.Phone_number
2 FROM BookingManage BM
3 JOIN TravelAgent TA ON BM.TravelAgentID = TA.TravelAgentID
4 JOIN TravelAgent_Email TE ON TA.TravelAgentID = TE.TravelAgentID
5 JOIN TravelAgent_Phone_Number TP ON TA.TravelAgentID = TP.TravelAgentID;
6
```

Results Explain Describe Saved SQL History

FNAME	LNAME	EMAIL	PHONE_NUMBER
Alan	Levi	alevi@safemail.com	7894432277
Peter	Smith	Peter@Mail.com	5877849977
Gary	Mull	garymull@nextmail.com	4112335565
Lisa	Parker	lisap@gmail.com	1234567632

calculates the total revenue generated from all bookings.

APEX App Builder SQL Workshop Team Development Gallery

Search

Project DBCD dbcd_project

SQL Commands

Schema WKSP_DBCDPROJECT

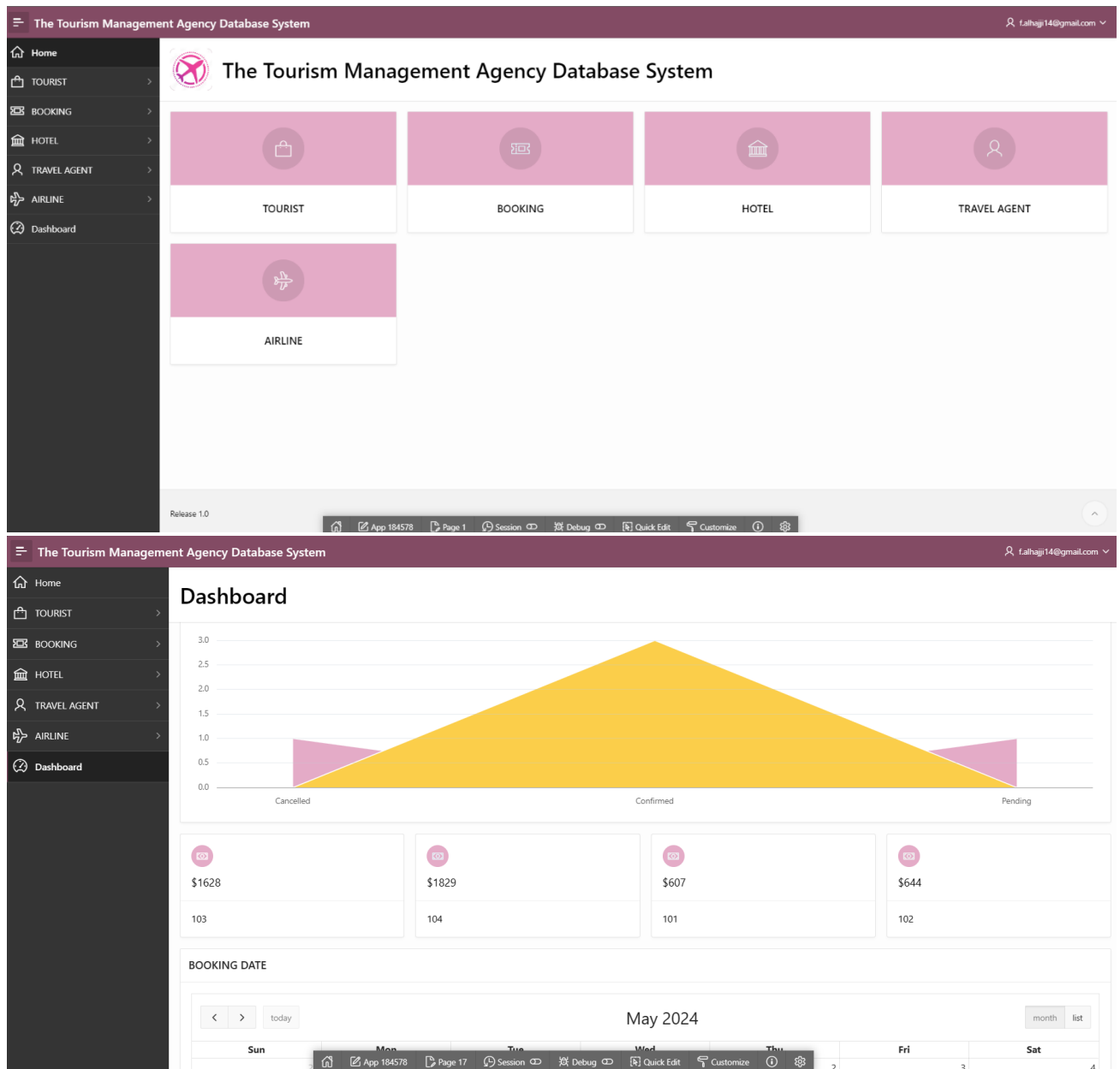
Language SQL Rows 10 Clear Command Find Tables Save Run

```
1 SELECT SUM(TP.Trip_price) AS TotalRevenue
2 FROM Booking_Trip_price TP
3 JOIN Booking B ON TP.TouristID = B.TouristID;
4
```

Results Explain Describe Saved SQL History

TOTALREVENUE
1315

8. Application Development



The Tourism Management Agency Database System

f.alhaggi14@gmail.com

Home

TOURIST

Add tourist

view all tourist

BOOKING

HOTEL

TRAVEL AGENT

AIRLINE

Dashboard

TOURIST

Q

Go

Actions

Create

	Fname	Lname	Nationality
	Bruce	Rodgers	American
	Nancy	Smith	American
	Noha	James	American
	Suki	Tanaka	Japanese
	William	Doe	British
	uyyu	98jo	okoi

1 - 6

Release 1.0

App 184578

Page 2

Session

Debug

Quick Edit

Customize

The Tourism Management Agency Database System

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Home

TOURIST

Add tourist

view all tourist

BOOKING

HOTEL

TRAVEL AGENT

AIRLINE

Dashboard

Add tourist

Add tourist

Fname

Lname

Nationality

Cancel

Create

Release 1.0

App 184578

Page 12

Session

Debug

Quick Edit

Customize

42

The Tourism Management Agency Database System

Home

TOURIST

BOOKING

Add booking

view all booking

HOTEL

TRAVEL AGENT

AIRLINE

Dashboard

Add booking

New

109

Numberoftourists

4

Status

Status must have some value.

Touristid

Cancel

Create

1 error has occurred

Status must have some value.

Release 1.0

App 194578

Page 13

Session

Debug

Quick Edit

Customize

The Tourism Management Agency Database System

Home

TOURIST

BOOKING

Add booking

view all booking

HOTEL

TRAVEL AGENT

AIRLINE

Dashboard

BOOKING

Q

Go

Actions

Create

	Numberoftourists	Status	Touristid
	4	Confirmed	Nancy
	8	Cancelled	Suki
	12	Pending	Nancy
	16	Confirmed	William
	21	Confirmed	Bruce

1 - 5

Row created.

Release 1.0

App 184578

Page 4

Session

Debug

Quick Edit

Customize

The Tourism Management Agency Database System

f.alhaji14@gmail.com

Home

TOURIST

BOOKING

Add booking

view all booking

HOTEL

TRAVEL AGENT

AIRLINE

Dashboard

view all booking

Numberoftourists	Status	Touristid
16	Confirmed	William
8	Cancelled	Suki
4	Confirmed	Nancy
12	Pending	Nancy
21	Confirmed	Bruce

Price

Trip Price	Touristid
\$356.00	101
\$228.00	102
\$389.00	103
\$340.00	104

1 - 4

Release 1.0

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The Tourism Management Agency Database System

f.alhaji14@gmail.com

Home

TOURIST

BOOKING

HOTEL

Add hotel

view all hotel

TRAVEL AGENT

AIRLINE

Dashboard

HOTEL

Go

Actions

Create

	Name	Room Availability	Rating
	Claridges	Available	Five Stars
	Hoshinoya	Limited	Four Stars
	Hyatt Regency	Available	Five Stars
	Royal Plaza	Not Available	Five Stars

1 - 4

Release 1.0

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45

The Tourism Management Agency Database System

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Home

TOURIST

BOOKING

HOTEL

Add hotel

view all hotel

TRAVEL AGENT

AIRLINE

Dashboard

Add hotel

Add hotel

New

Name

Room Availability

Limited

Unavailable

Available

Cancel

Create

Release 1.0

App 184578

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Session

Debug

Quick Edit

Customize

The Tourism Management Agency Database System

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Home

TOURIST

BOOKING

HOTEL

TRAVEL AGENT

Travel agent

view all travel agent

AIRLINE

Dashboard

TRAVEL AGENT

Q

Go

Actions

Create

	Fname ↑%	Lname
	Alan	Levi
	Gary	Mull
	Lisa	Parker
	Peter	Smith

1 - 4

Release 1.0

App 184578

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Session

Debug

Quick Edit

Customize

The Tourism Management Agency Database System

f.alhaji14@gmail.com

Home

TOURIST

BOOKING

HOTEL

TRAVEL AGENT

add Travel agent

view all travel agent

AIRLINE

Dashboard

Travel agent

Add travel agent

Fname

Lname

Cancel

Create

Release 1.0

App 184578Page 15SessionDebugQuick EditCustomize

The Tourism Management Agency Database System

f.alhaji14@gmail.com

Home

TOURIST

BOOKING

HOTEL

TRAVEL AGENT

AIRLINE

Airline

view all airlin

Dashboard

AIRLINE

Q

Go

Actions

Create

	Name	Rating	Destination
	American Airlines	3	London
	Emirates	4	Dubai
	Japan Airlines	5	Tokyo
	Singapore Airlines	5	Singapore

1 - 4

Release 1.0

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