

Daniel Shirk, Andrew Phillips, Claudya Lee-Herrera
Professor Yoon
INFO 364-002
12-3-18

Database Systems Project

Section 1.

The Star Hill Tech Co. is tackling a new project to create a new database system to aid the Maple Grove Hotel with their day-to-day operations. The database will be created to facilitate the many complexities involved with handling room reservations and other logistics when it comes to providing the necessary services to each paying customer. The current data management of the Maple Grove Hotel is all handled on paperwork through the manager. It can take a while for the entire hotel management staff to access the general customer information, because they have to contact the manager to look through the files to find the correct information. This also is a risk for the Maple Grove Hotel because they can easily lose or damage the data since there isn't a proper backup method. Our goal is to make sure that customers are receiving the goods and services they have requested from the hotel, and that it is done in a timely manner. We need a solution that will allow the users to able to easily keep track of instances such as customers, bookings, services, room availability, and make the information easily accessible to all employees that need to access it. The manager also requests that we include employee data in the database that is only accessible to him/her. We want to ensure that the Maple Grove Hotel's operations are run smoothly and efficiently through a clear, defined database management system. We need the design to link all of these important aspects together.

Section 2.

Business Rules:

- Any employee of the hotel including hotel management staff, food staff, and cleaning staff must be able to access the database for general information of any customer to check the goods and/or services they have requested, and their room number
- Every employee must ensure that the customer has received any goods and/or services that have been requested
- A customer may request for a room reservation, service or food order by the hotel
- A customer may leave a customer feedback to review the good and services they have received and evaluate the hotel's customer service
- The manager of the hotel can access employee information and oversee customer information
- Any customer is able to request a service from the Hotel

User Requirements:

- Keep track of all employees (all types)

- Employee id, name, phone, address, city, state, postal code
- Logging all guests
 - guest id, name, phone, address, city, state, postal code
- Food Order
 - Order price, order type
- Hotel
 - Hotel name, hotel location
- Customer feedback
 - rating
- Payment
 - Payment type

Entities

- I. Employee - a person employed for wages or salary by the hotel, at a non-executive level
 - A. Hotel Management Staff - an employee who is in charge of dealing or controlling things or people. They have the ability to handle services that are offered by the hotel
 - B. Hotel Cleaning Staff - an employee who is in charge of keeping the tidiness and cleanliness of the hotel
 - C. Hotel Food Staff - an employee who is in charge of attending to customers at the restaurant or room service by supplying them with food or drinks upon request
- II. Hotel - an establishment that provides accommodations, meals and other services for travelers and tourists
- III. Customer - a person that buys goods or services from a store or business which in this case is a hotel
- IV. Payment - the action or process of the customer paying the hotel (management staff) for a good or service they have received
- V. Service - the services available for customers to choose from to enhance their stay
 - A. Car Rental - allows customers the option to transport themselves
 - B. Tours - allows customers the option to take tours around the area
- VI. Room - shows the different rooms available to the customer
- VII. Food Order - allows customers the option to order food from the hotels food staff
- VIII. Travel Agency - customers can choose to utilize a travel agency to assist in their travels to and from the hotel
- IX. Payment confirmation - part of this is receipt. This links managers and payment.
- X. Food staff order - records order requirements between hotel, food staff, and order.

Attributes

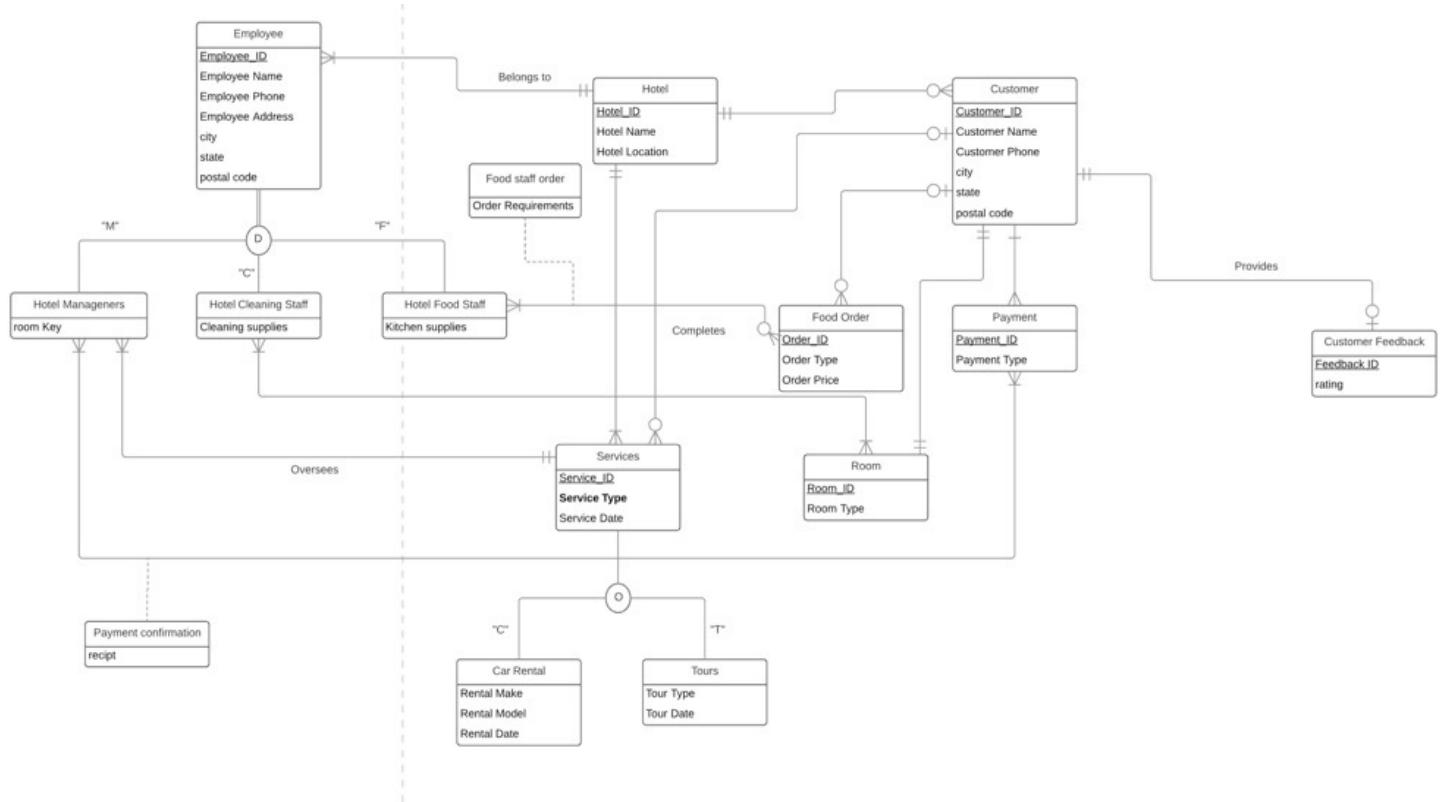
- I. Employee: Employee ID, Employee Name, Employee Type, Employee Phone, Employee Address
- II. Hotel: Hotel ID, Hotel Name, Hotel Location,
- III. Hotel Management Staff:
- IV. Hotel Cleaning Staff:
- V. Hotel Food Staff:
- VI. Services: Service ID, Service Type, Service Date
- VII. Car Rental: Rental Make, Rental Model, Rental Date
- VIII. Tours: Tour Type, Tour Date
- IX. Customer: Customer ID, Customer Name, Customer Phone, Customer Address
- X. Room: Room ID, Room Type
- XI. Food Order: Order ID, Order Type, Order Date
- XII. Payment: Payment ID, Payment Date
- XIII. Payment Type: Payment details, Payment Date
- XIV. Bookings: Booking ID, Booking Type, Booking Date
- XV. Booking Record: Booking Date
- XVI. Travel Agency: Travel ID, Entry Date, Departing Date
- XVII. Customer Feedback: Feedback ID

Relationships

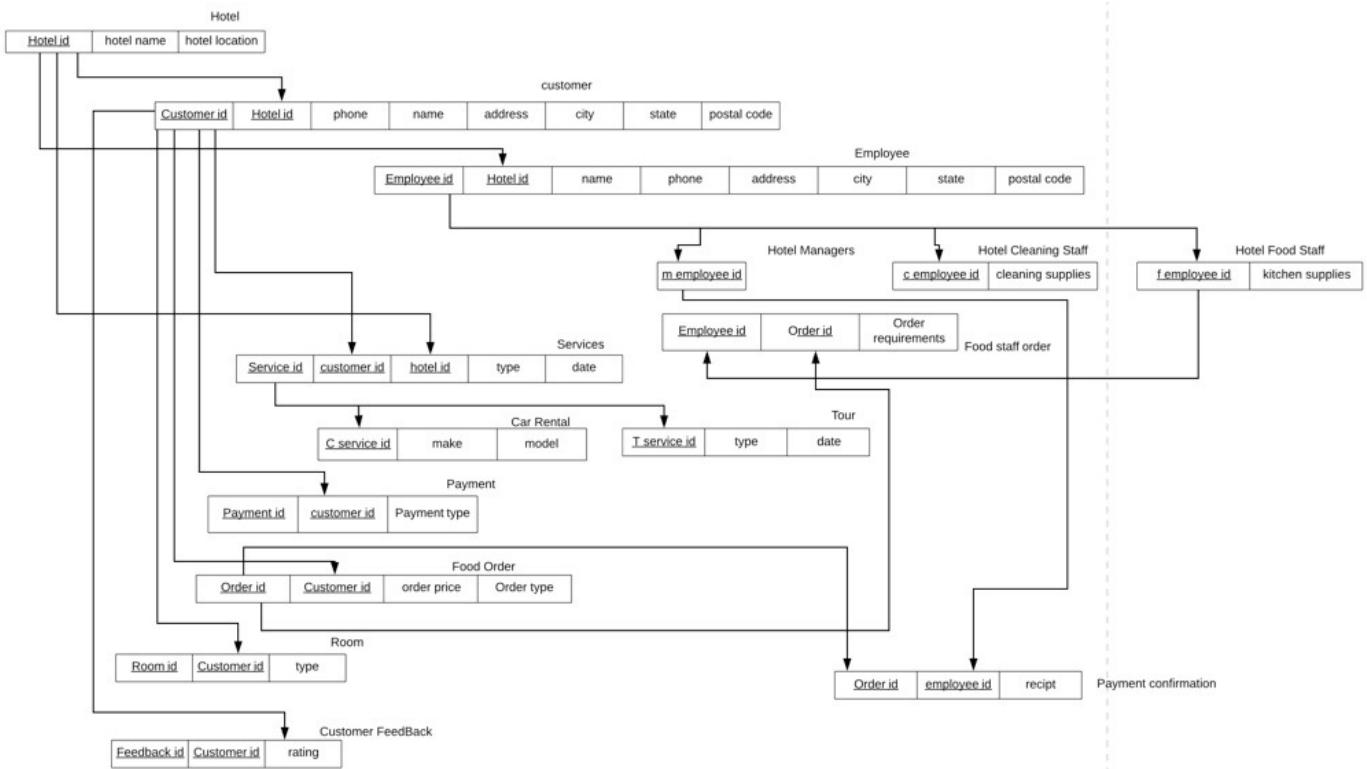
- I. Employee works at one and only one Hotel. A hotel may have one or many Employees.
- II. An Employee may be a member of the management, cleaning, or cooking staff but can only be one.
- III. Food Staff complete many or no orders while each order is completed by one or many food staff.
- IV. Customers may make many or no food orders while each food order belongs to only one customer.
- V. Hotel can have one or many services while each service belongs to one and only one hotel.
- VI. A Service can be divided into cars. A Service can be a car rental, a tour, or a special request. A Service can be any combination of these three.
- VII. Management staff oversee one and only one of each services. One services have one or many staff overseeing it.
- VIII. A service can be requested by one or no customer while a customer can choose many or no services.
- IX. Each customer belongs to one and only one hotel. Each hotel can have none or many customers.
- X. Each room belongs to one and only one customer.
- XI. A customer may make many payments but a payment belongs to only one customer.

- XII. Payments are recorded by one management staff member and the management staff can record multiple payments.
- XIII. A customer may choose to use one travel agency. Each travel agency may have many or no customers.
- XIV. A customer may provide one optional feedback form. Each form belongs to a single customer.
- XV. A customer may make many bookings while each booking belongs to a single customer.

Section 3. ERD



Section 4. Relation



Section 5.

```
DROP TABLE Customer_T  
DROP TABLE Employee_T  
DROP TABLE Hotel_T  
DROP TABLE FoodOrder_T  
DROP TABLE Manager_T  
DROP TABLE CleaningStaff_T  
DROP TABLE FoodStaff_T  
DROP TABLE CustomerFeedback_T  
DROP TABLE Payment_T  
DROP TABLE Room_T  
DROP TABLE Services_T  
DROP TABLE CarRental_T  
DROP TABLE Tour_T  
DROP TABLE FoodStaffOrder_T  
DROP TABLE PaymentConfirmation
```

```
CREATE TABLE Hotel_T
(HotelID NUMBER(11,0) NOT NULL,
HotelName VARCHAR2(25) NOT NULL,
HotelLocation VARCHAR2(30),
CONSTRAINT Hotel_PK PRIMARY KEY (HotelID));
```

```
CREATE TABLE Customer_T
(CustomerID NUMBER(11,0) NOT NULL,
CustomerName VARCHAR2(25) NOT NULL,
CustomerPhone NUMBER(10,0) NOT NULL,
CustomerAddress VARCHAR2(30),
CustomerCity VARCHAR2(20),
CustomerState CHAR(2),
PostalCode NUMBER(9),
HotelID NUMBER(11,0),
CONSTRAINT Customer_PK PRIMARY KEY (CustomerID),
CONSTRAINT Customer_FK FOREIGN KEY (HotelID) REFERENCES Hotel_T(HotelID));
```

```
CREATE TABLE Employee_T
(EmployeeID NUMBER(11,0) NOT NULL,
EmployeeName VARCHAR2(25) NOT NULL,
EmployeeType VARCHAR2(25),
EmployeePhone NUMBER(10,0),
EmployeeAddress VARCHAR2(30),
EmployeeCity VARCHAR2(20),
EmployeeState CHAR(2),
PostalCode NUMBER(9),
HotelID NUMBER(11,0),
CONSTRAINT Employee_PK PRIMARY KEY (EmployeeID),
CONSTRAINT Employee_FK FOREIGN KEY (HotelID) REFERENCES Hotel_T(HotelID));
```

```
CREATE TABLE Manager_T
(EmployeeID NUMBER(11,0) NOT NULL,
CONSTRAINT Manager_FK FOREIGN KEY (EmployeeID) REFERENCES
Employee_T(EmployeeID));
```

```
CREATE TABLE CleaningStaff_T
(EmployeeID NUMBER(11,0) NOT NULL,
CONSTRAINT CleaningStaff_FK FOREIGN KEY (EmployeeID) REFERENCES
Employee_T(EmployeeID));
```

```
CREATE TABLE FoodStaff_T
(EmployeeID NUMBER(11,0) NOT NULL,
CONSTRAINT FoodStaff_FK FOREIGN KEY (EmployeeID) REFERENCES
Employee_T(EmployeeID);
```

```
CREATE TABLE FoodOrder_T
(OrderID NUMBER(11,0) NOT NULL,
OrderType VARCHAR2(30),
Price NUMBER(11,0),
CustomerID NUMBER(11,0),
CONSTRAINT FoodOrder_PK PRIMARY KEY (OrderID),
CONSTRAINT FoodOrder_FK FOREIGN KEY (CustomerID) REFERENCES
Customer_T(CustomerID));
```

```
CREATE TABLE FoodStaffOrder_T
(OrderID NUMBER(11,0) NOT NULL,
EmployeeID NUMBER(11,0),
OrderRequirements VARCHAR2(30),
CONSTRAINTS FoodStaffOrder_PK PRIMARY KEY (OrderID, EmployeeID),
CONSTRAINTS FoodStaffOrder_FK1 FOREIGN KEY (OrderID) REFERENCES
FoodOrder_T(OrderID),
CONSTRAINTS FoodStaffOrder_FK2 FOREIGN KEY (EmployeeID) REFERENCES
Employee_T(EmployeeID));
```

```
CREATE TABLE Payment_T
(PaymentID NUMBER(11,0) NOT NULL,
PaymentType VARCHAR2(25),
CustomerID NUMBER(11,0),
CONSTRAINT Payment_PK PRIMARY KEY (PaymentID),
CONSTRAINT Payment_FK FOREIGN KEY (CustomerID) REFERENCES
Customer_T(CustomerID));
```

```
CREATE TABLE PaymentConfirmation_T
(OrderID NUMBER(11,0) NOT NULL,
EmployeeID NUMBER(11,0),
Receipt INTEGER,
CONSTRAINTS PaymentConfirmation_PK PRIMARY KEY (OrderID, EmployeeID),
CONSTRAINTS PaymentConfirmation_FK1 FOREIGN KEY (OrderID) REFERENCES
FoodOrder_T(OrderID),
```

```
CONSTRAINTS PaymentConfirmation_FK2 FOREIGN KEY (EmployeeID) REFERENCES Employee_T(EmployeeID);
```

```
CREATE TABLE CustomerFeedback_T  
(FeedbackID NUMBER(11,0) NOT NULL,  
Rating NUMBER(11,0),  
CustomerID NUMBER(11,0),  
CONSTRAINT CustomerFeedback_PK PRIMARY KEY (FeedbackID),  
CONSTRAINT CustomerFeedback_FK FOREIGN KEY (CustomerID) REFERENCES Customer_T(CustomerID));
```

```
CREATE TABLE Room_T  
(RoomID NUMBER(11,0) NOT NULL,  
RoomType VARCHAR2(30),  
CustomerID NUMBER(11,0),  
CONSTRAINT Room_PK PRIMARY KEY (RoomID),  
CONSTRAINT Room_FK FOREIGN KEY (CustomerID) REFERENCES Customer_T(CustomerID));
```

```
CREATE TABLE Services_T  
(ServiceID NUMBER(11,0) NOT NULL,  
ServiceType VARCHAR2(30),  
ServiceDate DATE DEFAULT SYSDATE,  
CustomerID NUMBER(11,0),  
CONSTRAINT Services_PK PRIMARY KEY (ServiceID),  
CONSTRAINT Services_FK FOREIGN KEY (CustomerID) REFERENCES Customer_T(CustomerID));
```

```
CREATE TABLE CarRental_T  
(ServiceID NUMBER(11,0) NOT NULL,  
CONSTRAINT CarRental_FK FOREIGN KEY (ServiceID) REFERENCES Services_T(ServiceID));
```

```
CREATE TABLE Tour_T  
(ServiceID NUMBER(11,0) NOT NULL,  
CONSTRAINT Tour_FK FOREIGN KEY (ServiceID) REFERENCES Services_T(ServiceID));
```

```
delete from Customer_T;  
delete from Employee_T;  
delete from Hotel_T;  
delete from FoodOrder_T;
```

```
delete from Manager_T;  
delete from CleaningStaff_T;  
delete from FoodStaff_T;  
delete from CustomerFeedback_T;  
delete from Payment_T;  
delete from Room_T;  
delete from Services_T;  
delete from CarRental_T;  
delete from Tour_T;  
delete from FoodStaffOrder_T;  
delete from PaymentConfirmation_T;
```

```
INSERT INTO Hotel_T (HotelID, HotelName, HotelLocation)  
VALUES (101, 'Maple Grove', 'Tropical Island');
```

```
INSERT INTO Customer_T (CustomerID, CustomerName, CustomerPhone, CustomerAddress,  
CustomerCity, CustomerState, PostalCode, HotelID)  
VALUES (001, 'Tom Butt', 4349116969, '4421 N. Park Ave.', 'Charlottesville', 'VA', 22901,  
101);
```

```
INSERT INTO Customer_T (CustomerID, CustomerName, CustomerPhone, CustomerAddress,  
CustomerCity, CustomerState, PostalCode, HotelID)  
VALUES (002, 'Bill Clark', 7038412618, '7192 S. Woods Rd.', 'Richmond', 'VA', 22981, 101);  
INSERT INTO Customer_T (CustomerID, CustomerName, CustomerPhone, CustomerAddress,  
CustomerCity, CustomerState, PostalCode, HotelID)  
VALUES (003, 'Rick Madden', 5717381980, '1762 W. Grace St.', 'Williamsburg', 'VA', 27861,  
101);
```

```
INSERT INTO Customer_T (CustomerID, CustomerName, CustomerPhone, CustomerAddress,  
CustomerCity, CustomerState, PostalCode, HotelID)  
VALUES (004, 'Frank Woods', 7032761982, '3266 E. Broad St.', 'Norfolk', 'VA', 26371, 101);  
INSERT INTO Customer_T (CustomerID, CustomerName, CustomerPhone, CustomerAddress,  
CustomerCity, CustomerState, PostalCode, HotelID)  
VALUES (005, 'July Tomkins', 5718937289, '6482 N. Laurel St.', 'Blacksburg', 'VA', 26816,  
101);
```

```
INSERT INTO Employee_T (EmployeeID, EmployeeName, EmployeeType, EmployeePhone,  
EmployeeAddress, EmployeeCity, EmployeeState, PostalCode, HotelID)  
VALUES (111, 'Andy Chang', 'Manager', 7037771682, '2678 N. Thompson St.', 'Richmond',  
'VA', 29871, 101);
```

```
INSERT INTO Employee_T (EmployeeID, EmployeeName, EmployeeType, EmployeePhone,  
EmployeeAddress, EmployeeCity, EmployeeState, PostalCode, HotelID)
```

```
VALUES (112, 'Mike Light', 'Food Staff', 8042991678, '6517 W. Glide Rd.', 'Richmond', 'VA',
19871, 101);
INSERT INTO Employee_T (EmployeeID, EmployeeName, EmployeeType, EmployeePhone,
EmployeeAddress, EmployeeCity, EmployeeState, PostalCode, HotelID)
VALUES (113, 'Will Cooke', 'Food Staff', 5712671672, '5749 E. Rack Ave.', 'Williamsburg',
'MD', 22398, 101);
INSERT INTO Employee_T (EmployeeID, EmployeeName, EmployeeType, EmployeePhone,
EmployeeAddress, EmployeeCity, EmployeeState, PostalCode, HotelID)
VALUES (114, 'Richard Peters', 'Cleaning Staff', 5712561982, '4871 N. Cary St.', 'Suffolk', 'VA',
27891, 101);
INSERT INTO Employee_T (EmployeeID, EmployeeName, EmployeeType, EmployeePhone,
EmployeeAddress, EmployeeCity, EmployeeState, PostalCode, HotelID)
VALUES (115, 'Chad Ringler', 'Cleaning Staff', 4018267182, '3746 S. Canal Rd.', 'Blacksburg',
'SC', 27681, 101);

INSERT INTO Manager_T (EmployeeID)
VALUES (111);

INSERT INTO CleaningStaff_T (EmployeeID)
VALUES (114);
INSERT INTO CleaningStaff_T (EmployeeID)
VALUES (115);

INSERT INTO FoodStaff_T (EmployeeID)
VALUES (112);
INSERT INTO FoodStaff_T (EmployeeID)
VALUES (113);

INSERT INTO Payment_T (PaymentID, PaymentType, CustomerID)
VALUES (1111, 'Card', 001);
INSERT INTO Payment_T (PaymentID, PaymentType, CustomerID)
VALUES (1112, 'Card', 002);
INSERT INTO Payment_T (PaymentID, PaymentType, CustomerID)
VALUES (1113, 'Cash', 003);
INSERT INTO Payment_T (PaymentID, PaymentType, CustomerID)
VALUES (1114, 'Card', 004);
INSERT INTO Payment_T (PaymentID, PaymentType, CustomerID)
VALUES (1115, 'Cash', 005);

INSERT INTO CustomerFeedback_T (FeedbackID, Rating, CustomerID)
VALUES (110, 5, 001);
INSERT INTO CustomerFeedback_T (FeedbackID, Rating, CustomerID)
```

```
VALUES (120, 4, 002);
INSERT INTO CustomerFeedback_T (FeedbackID, Rating, CustomerID)
VALUES (130, 4, 003);
INSERT INTO CustomerFeedback_T (FeedbackID, Rating, CustomerID)
VALUES (140, 3, 004);
INSERT INTO CustomerFeedback_T (FeedbackID, Rating, CustomerID)
VALUES (150, 5, 005);
```

```
INSERT INTO Room_T (RoomID, RoomType, CustomerID)
VALUES (1110, 'Single', 001);
INSERT INTO Room_T (RoomID, RoomType, CustomerID)
VALUES (1120, 'Double', 002);
INSERT INTO Room_T (RoomID, RoomType, CustomerID)
VALUES (1130, 'Double', 003);
INSERT INTO Room_T (RoomID, RoomType, CustomerID)
VALUES (1140, 'Single', 004);
INSERT INTO Room_T (RoomID, RoomType, CustomerID)
VALUES (1150, 'Single', 005);
```

```
INSERT INTO FoodOrder_T (OrderID, OrderType, Price, CustomerID)
VALUES (011, 'Burger', 10, 002);
INSERT INTO FoodOrder_T (OrderID, OrderType, Price, CustomerID)
VALUES (012, 'Fish and Chips', 13, 004);
INSERT INTO FoodOrder_T (OrderID, OrderType, Price, CustomerID)
VALUES (013, 'Mac and Cheese', 5, 001);
INSERT INTO FoodOrder_T (OrderID, OrderType, Price, CustomerID)
VALUES (014, 'Steak', 22, 005);
INSERT INTO FoodOrder_T (OrderID, OrderType, Price, CustomerID)
VALUES (015, 'Spaghetti with Meatballs', 12, 002);
INSERT INTO FoodOrder_T (OrderID, OrderType, Price, CustomerID)
VALUES (016, 'Chicken Tenders', 8, 003);
```

```
INSERT INTO Services_T (ServiceID, ServiceType, ServiceDate, CustomerID)
VALUES (1211, 'Car Rental', '11/14/2019', 002);
INSERT INTO Services_T (ServiceID, ServiceType, ServiceDate, CustomerID)
VALUES (1212, 'Tour', '11/18/2019', 004);
```

```
INSERT INTO CarRental_T (ServiceID)
```

```
VALUES (1211);
```

```
INSERT INTO Tour_T (ServiceID)  
VALUES (1212);
```

```
select * from Customer_T;  
select * from Employee_T;  
select * from Hotel_T;  
select * from FoodOrder_T;  
select * from Manager_T;  
select * from CleaningStaff_T;  
select * from FoodStaff_T;  
select * from CustomerFeedback;  
select * from Payment_T;  
select * from Room_T;  
select * from Services_T;  
select * from CarRental_T;  
select * from Tour_T;  
select * from FoodStaffOrder_T;  
select * from PaymentConfirmation_T;
```

Section 6. SQL Screenshots

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
Select * from Employee_T
```

Results Explain Describe Saved SQL History

EMPLOYEEID	EMPLOYEENAME	EMPLOYEEETYPE	EMPLOYEEPHONE	EMPLOYEEADDRESS	EMPLOYEECITY	EMPLOYEESTATE	POSTALCODE	HOTELID
111	Andy Chang	Manager	7037771682	2678 N. Thompson St.	Richmond	VA	29871	101
112	Mike Light	Food Staff	8042991678	6517 W. Glide Rd.	Richmond	VA	19871	101
113	Will Cooke	Food Staff	5712671672	5749 E. Rack Ave.	Williamsburg	MD	22398	101
114	Richard Peters	Cleaning Staff	5712561982	4871 N. Cary St.	Suffolk	VA	27891	101
115	Chad Ringler	Cleaning Staff	4018267182	3746 S. Canal Rd.	Blacksburg	SC	27681	101

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

Application Express 4.2.6.00.03
Workspace: INFO364_002 User: SHIRKDB
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
Select * from Customer_T
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID
1	Tom Butt	4349116969	4421 N. Park Ave.	Charlottesville	VA	22901	101
2	Bill Clark	7038412618	7192 S. Woods Rd.	Richmond	VA	22981	101
3	Rick Madden	5717381980	1762 W. Grace St.	Williamsburg	VA	27861	101
4	Frank Woods	7032761982	3266 E. Broad St.	Norfolk	VA	26371	101
5	July Tomkins	5718937289	6482 N. Laurel St.	Blacksburg	VA	26816	101

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

Application Express 4.2.6.00.03
Workspace: INFO364_002 User: SHIRKDB
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
Select * from Services_T
```

Results Explain Describe Saved SQL History

SERVICEID	SERVICETYPE	SERVICEDATE	CUSTOMERID
1211	Car Rental	11/14/2019	2
1212	Tour	11/18/2019	4

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

Application Express 4.2.6.00.03
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
Select * from Room_T
```

Results Explain Describe Saved SQL History

ROOMID	ROOMTYPE	CUSTOMERID
1110	Single	1
1120	Double	2
1130	Double	3
1140	Single	4
1150	Single	5

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

Application Express 4.2.6.00.03
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 (Logout)

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
select *  
from foodorder_t
```

Results Explain Describe Saved SQL History

ORDERID	ORDERTYPE	PRICE	CUSTOMERID
11	Burger	10	2
12	Fish and Chips	13	4
13	Mac and Cheese	5	1
14	Steak	22	5
15	Spaghetti with Meatballs	12	2
16	Chicken Tenders	8	3

6 rows returned in 0.00 seconds Download

Application Express 4.2.6.00.03

Workspace: INFO364_002 User: SHIRKDB

Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 (Logout)

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
select *  
from payment_t
```

Results Explain Describe Saved SQL History

PAYMENTID	PAYMENTTYPE	CUSTOMERID
1111	Card	1
1112	Card	2
1113	Cash	3
1114	Card	4
1115	Cash	5

5 rows returned in 0.00 seconds Download

Application Express 4.2.6.00.03

Workspace: INFO364_002 User: SHIRKDB

Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
select *  
from customerfeedback_t
```

Results Explain Describe Saved SQL History

FEEDBACKID	RATING	CUSTOMERID
110	5	1
120	4	2
130	4	3
140	3	4
150	5	5

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

Application Express 4.2.6.00.03
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
Select * from Hotel_T
```

Results Explain Describe Saved SQL History

HOTELID	HOTELNAME	HOTELLOCATION
101	Maple Grove	Tropical Island

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

Application Express 4.2.6.00.03
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

Section 7.

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
Select * from Customer_T
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID
1	Tom Butt	4349116969	4421 N. Park Ave.	Charlottesville	VA	22901	101
2	Bill Clark	7038412618	7192 S. Woods Rd.	Richmond	VA	22981	101
3	Rick Madden	5717381980	1762 W. Grace St.	Williamsburg	VA	27861	101
4	Frank Woods	7032761982	3266 E. Broad St.	Norfolk	VA	26371	101
5	July Tomkins	5718937289	6482 N. Laurel St.	Blacksburg	VA	26816	101

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

Application Express 4.2.6.00.03

Workspace: INFO364_002 User: SHIRKDB Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
Select * from Employee_T
```

Results Explain Describe Saved SQL History

EMPLOYEEID	EMPLOYEENAME	EMPLOYEETYPE	EMPLOYEEPHONE	EMPLOYEEADDRESS	EMPLOYEECITY	EMPLOYEESTATE	POSTALCODE	HOTELID
111	Andy Chang	Manager	7037771682	2678 N. Thompson St.	Richmond	VA	29871	101
112	Mike Light	Food Staff	8042991678	6517 W. Glide Rd.	Richmond	VA	19871	101
113	Will Cooke	Food Staff	5712671672	5749 E. Rack Ave.	Williamsburg	MD	22398	101
114	Richard Peters	Cleaning Staff	5712561982	4871 N. Cary St.	Suffolk	VA	27891	101
115	Chad Ringler	Cleaning Staff	4018267182	3746 S. Canal Rd.	Blacksburg	SC	27681	101

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

Application Express 4.2.6.00.03

Workspace: INFO364_002 User: SHIRKDB Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
Select * from Hotel_T
```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

HOTELID	HOTELNAME	HOTELLOCATION
101	Maple Grove	Tropical Island

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

Application Express 4.2.6.00.03

Workspace: INFO364_002 User: SHIRKDB

Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
Select * from Services_T
```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

SERVICEID	SERVICETYPE	SERVICEDEDATE	CUSTOMERID
1211	Car Rental	11/14/2019	2
1212	Tour	11/18/2019	4

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

Application Express 4.2.6.00.03

Workspace: INFO364_002 User: SHIRKDB

Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
Select * from Room_T
```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

ROOMID	ROOMTYPE	CUSTOMERID
1110	Single	1
1120	Double	2
1130	Double	3
1140	Single	4
1150	Single	5

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

Application Express 4.2.6.00.03

Workspace: INFO364_002 User: SHIRKDB

Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
select *
from customer_t, room_t
where customer_t.customerid = room_t.customerid
```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID	ROOMID	ROOMTYPE	CUSTOMERID
1	Tom Butt	4349116969	4421 N. Park Ave.	Charlottesville	VA	22901	101	1110	Single	1
2	Bill Clark	7038412618	7192 S. Woods Rd.	Richmond	VA	22981	101	1120	Double	2
3	Rick Madden	5717381980	1762 W. Grace St.	Williamsburg	VA	27861	101	1130	Double	3
4	Frank Woods	7032761982	3266 E. Broad St.	Norfolk	VA	26371	101	1140	Single	4
5	July Tomkins	5718937289	6482 N. Laurel St.	Blacksburg	VA	26816	101	1150	Single	5

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

Application Express 4.2.6.00.03

Workspace: INFO364_002 User: SHIRKDB

Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
select *
from customer_t, room_t
where customer_t.customerid = room_t.customerid
Order by roomtype
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID	ROOMID	ROOMTYPE	CUSTOMERID
3	Rick Madden	5717381980	1762 W. Grace St.	Williamsburg	VA	27861	101	1130	Double	3
2	Bill Clark	7038412618	7192 S. Woods Rd.	Richmond	VA	22981	101	1120	Double	2
5	July Tormkins	5718937289	6482 N. Laurel St.	Blacksburg	VA	26816	101	1150	Single	5
4	Frank Woods	7032761982	3266 E. Broad St.	Norfolk	VA	26371	101	1140	Single	4
1	Tom Butt	4349116969	4421 N. Park Ave.	Charlottesville	VA	22901	101	1110	Single	1

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

Application Express 4.2.6.00.03
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
select *
from customer_t, foodorder_t
where customer_t.customerid = foodorder_t.customerid
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID	ORDERID	ORDERTYPE	PRICE	CUSTOMERID
2	Bill Clark	7038412618	7192 S. Woods Rd.	Richmond	VA	22981	101	11	Burger	10	2
4	Frank Woods	7032761982	3266 E. Broad St.	Norfolk	VA	26371	101	12	Fish and Chips	13	4
1	Tom Butt	4349116969	4421 N. Park Ave.	Charlottesville	VA	22901	101	13	Mac and Cheese	5	1
5	July Tormkins	5718937289	6482 N. Laurel St.	Blacksburg	VA	26816	101	14	Steak	22	5
2	Bill Clark	7038412618	7192 S. Woods Rd.	Richmond	VA	22981	101	15	Spaghetti with Meatballs	12	2
3	Rick Madden	5717381980	1762 W. Grace St.	Williamsburg	VA	27861	101	16	Chicken Tenders	8	3

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

Application Express 4.2.6.00.03
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 (Logout)

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
select *
from customer_t, foodorder_t
where customer_t.customerid = foodorder_t.customerid
order by ordertype, price
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID	ORDERID	ORDERTYPE	PRICE	CUSTOMERID
2	Bill Clark	7038412618	7192 S. Woods Rd.	Richmond	VA	22981	101	11	Burger	10	2
3	Rick Madden	5717381980	1762 W. Grace St.	Williamsburg	VA	27861	101	16	Chicken Tenders	8	3
4	Frank Woods	7032761982	3266 E. Broad St.	Norfolk	VA	26371	101	12	Fish and Chips	13	4
1	Tom Butt	4349116969	4421 N. Park Ave.	Charlottesville	VA	22901	101	13	Mac and Cheese	5	1
2	Bill Clark	7038412618	7192 S. Woods Rd.	Richmond	VA	22981	101	15	Spaghetti with Meatballs	12	2
5	July Tomkins	5718937289	6482 N. Laurel St.	Blacksburg	VA	26816	101	14	Steak	22	5

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

Application Express 4.2.6.00.03

INFO364_002 User: SHIRKDB

ORACLE Application Express

Workspace: INFO364_002 (Logout)

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
select *
from customer_t, foodorder_t
where customer_t.customerid = foodorder_t.customerid
And price < 10
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID	ORDERID	ORDERTYPE	PRICE	CUSTOMERID
1	Tom Butt	4349116969	4421 N. Park Ave.	Charlottesville	VA	22901	101	13	Mac and Cheese	5	1
3	Rick Madden	5717381980	1762 W. Grace St.	Williamsburg	VA	27861	101	16	Chicken Tenders	8	3

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

Application Express 4.2.6.00.03

Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
select *
from customer_t, foodorder_t
where customer_t.customerid = foodorder_t.customerid
And price<13 and price>6
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID	ORDERID	ORDERTYPE	PRICE	CUSTOMERID
2	Bill Clark	7038412618	7192 S. Woods Rd.	Richmond	VA	22981	101	11	Burger	10	2
2	Bill Clark	7038412618	7192 S. Woods Rd.	Richmond	VA	22981	101	15	Spaghetti with Meatballs	12	2
3	Rick Madden	5717381980	1762 W. Grace St.	Williamsburg	VA	27861	101	16	Chicken Tenders	8	3

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

Application Express 4.2.6.00.03
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
select *
from customer_t, foodorder_t
where customer_t.customerid = foodorder_t.customerid
And price = 10
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID	ORDERID	ORDERTYPE	PRICE	CUSTOMERID
2	Bill Clark	7038412618	7192 S. Woods Rd.	Richmond	VA	22981	101	11	Burger	10	2

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

Application Express 4.2.6.00.03
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
select *
from customer_t, customerfeedback_t
where customer_t.customerid = customerfeedback_t.customerid
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID	FEEDBACKID	RATING	CUSTOMERID
1	Tom Butt	4349116969	4421 N. Park Ave.	Charlottesville	VA	22901	101	110	5	1
2	Bill Clark	7038412618	7192 S. Woods Rd.	Richmond	VA	22981	101	120	4	2
3	Rick Madden	5717381980	1762 W. Grace St.	Williamsburg	VA	27861	101	130	4	3
4	Frank Woods	7032761982	3266 E. Broad St.	Norfolk	VA	26371	101	140	3	4
5	July Tomkins	5718937289	6482 N. Laurel St.	Blacksburg	VA	26816	101	150	5	5

5 rows returned in 0.01 seconds [Download](#) SQL Workshop

Application Express 4.2.6.00.03
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
select *
from customer_t, customerfeedback_t
where customer_t.customerid = customerfeedback_t.customerid
And rating = 5
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID	FEEDBACKID	RATING	CUSTOMERID
1	Tom Butt	4349116969	4421 N. Park Ave.	Charlottesville	VA	22901	101	110	5	1
5	July Tomkins	5718937289	6482 N. Laurel St.	Blacksburg	VA	26816	101	150	5	5

2 rows returned in 0.00 seconds [Download](#) SQL Workshop

Application Express 4.2.6.00.03
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
Select *
From customer_t, services_t
Where customer_t.customerid = services_t.customerid
and servicetype = 'Car Rental'
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID	SERVICEID	SERVICETYPE	SERVICEDATE	CUS
2	Bill Clark	7038412618	7192 S. Woods Rd.	Richmond	VA	22981	101	1211	Car Rental	11/14/2019	2

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

Application Express 4.2.6.00.03
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 User: SHIRKDB ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
Select *
From customer_t, services_t
Where customer_t.customerid = services_t.customerid
and servicetype = 'Tour'
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID	SERVICEID	SERVICETYPE	SERVICEDATE	CUS
4	Frank Woods	7032761982	3266 E. Broad St.	Norfolk	VA	26371	101	1212	Tour	11/18/2019	4

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

Application Express 4.2.6.00.03
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
select *
from customer_t, foodorder_t
where customer_t.customerid = foodorder_t.customerid
and ordertype = 'Burger'
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID	ORDERID	ORDERTYPE	PRICE	CUSTOMERID
2	Bill Clark	7038412618	7192 S. Woods Rd.	Richmond	VA	22981	101	11	Burger	10	2

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

Application Express 4.2.6.00.03
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
select *
from customer_t, foodorder_t
where customer_t.customerid = foodorder_t.customerid
and ordertype = 'Steak'
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID	ORDERID	ORDERTYPE	PRICE	CUSTOMERID
5	July Tomkins	5718937289	6482 N. Laurel St.	Blacksburg	VA	26816	101	14	Steak	22	5

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

Application Express 4.2.6.00.03
Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
Select *
From customer_t, payment_t
Where customer_t.customerid = payment_t.customerid
and paymenttype = 'Card'
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID	PAYMENTID	PAYMENTTYPE	CUSTOMERID
1	Tom Butt	4349116969	4421 N. Park Ave.	Charlottesville	VA	22901	101	1111	Card	1
2	Bill Clark	7038412618	7192 S. Woods Rd.	Richmond	VA	22981	101	1112	Card	2
4	Frank Woods	7032761982	3266 E. Broad St.	Norfolk	VA	26371	101	1114	Card	4

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

Application Express 4.2.6.00.03

Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

ORACLE Application Express

Workspace: INFO364_002 User: SHIRKDB ([Logout](#))

Home Application Builder SQL Workshop Team Development Administration

SQL Workshop SQL Commands Schema SHIRKDB

Autocommit Rows 10 Save Run

```
Select *
From customer_t, payment_t
Where customer_t.customerid = payment_t.customerid
and paymenttype = 'Cash'
```

Results Explain Describe Saved SQL History

CUSTOMERID	CUSTOMERNAME	CUSTOMERPHONE	CUSTOMERADDRESS	CUSTOMERCITY	CUSTOMERSTATE	POSTALCODE	HOTELID	PAYMENTID	PAYMENTTYPE	CUSTOMERID
3	Rick Madden	5717381980	1762 W. Grace St.	Williamsburg	VA	27861	101	1113	Cash	3
5	July Tomkins	5718937289	6482 N. Laurel St.	Blacksburg	VA	26816	101	1115	Cash	5

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

Application Express 4.2.6.00.03

Language: en | Copyright © 1999, 2014, Oracle. All rights reserved.

Queries:

```
Select * from Customer_T
```

```
Select * from Employee_T
```

```
Select * from Hotel_T
```

```
Select * from Services_T
```

```
Select * from Room_T
```

```
select *
from customer_t, room_t
where customer_t.customerid = room_t.customerid
```

```
select *
from customer_t, room_t
where customer_t.customerid = room_t.customerid
Order by roomtype
```

```
select *
from customer_t, foodorder_t
where customer_t.customerid = foodorder_t.customerid
```

```
select *
from customer_t, foodorder_t
where customer_t.customerid = foodorder_t.customerid
order by ordertype, price
```

```
select *
from customer_t, foodorder_t
where customer_t.customerid = foodorder_t.customerid
And ordertype = 'Steak'
```

```
select *
from customer_t, foodorder_t
where customer_t.customerid = foodorder_t.customerid
And ordertype = 'Burger';
```

```
select *
from customer_t, foodorder_t
where customer_t.customerid = foodorder_t.customerid
And price < 10
```

```
select *
from customer_t, foodorder_t
where customer_t.customerid = foodorder_t.customerid
And price<13 and price>6
```

```
select *
from customer_t, foodorder_t
where customer_t.customerid = foodorder_t.customerid
And price = 10
```

```
select *
from customer_t, customerfeedback_t
where customer_t.customerid = customerfeedback_t.customerid
```

```
select *
from customer_t, customerfeedback_t
where customer_t.customerid = customerfeedback_t.customerid
And rating = 5
```

```
Select *
From customer_t, services_t
Where customer_t.customerid = services_t.customerid
And servicetype = 'Car Rental'
```

```
Select *
From customer_t, services_t
Where customer_t.customerid = services_t.customerid
And servicetype = 'Tour'
```

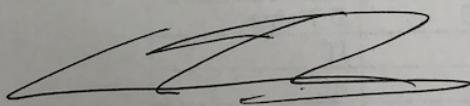
```
Select *
From customer_t, payment_t
Where customer_t.customerid = payment_t.customerid
And paymenttype = 'Card'
```

```
Select *
From customer_t, payment_t
Where customer_t.customerid = payment_t.customerid
And paymenttype = 'Cash'
```

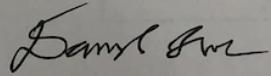
All group members participated
equally and contributed equally.

Signatures:

Andrew Phillips



Daniel Shirk



Claudya Lee-Herrera

