University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 4

Date: December 1, 2023

Group Number: 128

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

Project Description

For our project, we have created a platform to manage events. The main relationship is between events and the venue that it will be hosted. The user will be able to perform operations on the data to access important information like how many total people can attend an event across all the venues that the event is performed in. There is also data about merchandisers, and staff at all events so that managers can easily see who will be working and what will be sold at each event and venue.

Our final schema has minor changes. We changed the type of the time column in event to be a string instead of a date time, and we changed the primary key of the venue to just be the name.

Schema
Entities
Guest(

        Email: VARCHAR,
        <u>Name:</u> VARCHAR,
        <u>ticket #:</u> INTEGER,
        phone #: INTEGER)

Event(

        Time: VARCHAR,
        <u>event ID</u>: INTEGER,
        Name: VARCHAR,
        Description: TEXT)

Staff(

        Role: VARCHAR,
        Email: VARCHAR,
        <u>Name</u>: VARCHAR,
        <u>staff ID</u>: INTEGER,
        phone #: INTEGER)

Department(

        <u>Name</u>: VARCHAR,
        Description: TEXT,
        event ID: INTEGER)

Sponsor(

        <u>sponsor name</u>: VARCHAR,
        Amount: DOUBLE,
        Request: TEXT,

phone #: INTEGER,
Email: VARCHAR)

Performer(
Agent: VARCHAR,
Name: VARCHAR,
phone #: INTEGER,
Email: VARCHAR)

Venue(
Name: VARCHAR,
Address: VARCHAR,
Capacity: INTEGER,
event ID: INTEGER)

Vendor(
vendor name: VARCHAR,
Location: VARCHAR,
Hours: INTEGER)

Food Vendor(
vendor name: VARCHAR,
alcohol license number: INTEGER,
Style: VARCHAR)

Merchandise Vendor(
vendor name: VARCHAR,
brands carried: TEXT)

SQL Scripts

```sql
CREATE TABLE Guest (
                guest_name VARCHAR2(255),
                email VARCHAR2(255),
                ticket_number INTEGER,
                phone_number INTEGER,
                PRIMARY KEY (guest_name, ticket_number)
);

CREATE TABLE Staff (
                staff_id INTEGER,
                staff_role VARCHAR2(255), -- Assuming VARCHAR2 for role
                email VARCHAR2(255),
```

```sql
                        phone_number INTEGER,
                        name VARCHAR2(255), -- Assuming VARCHAR2 for name
                        PRIMARY KEY (staff_id, name)
);

CREATE TABLE Sponsor (
                        sponsor_name VARCHAR2(255),
                        amount INTEGER,
                        request VARCHAR2(255),
                        phone_number INTEGER,
                        email VARCHAR2(255),
                        PRIMARY KEY (sponsor_name, email)
);

CREATE TABLE Performer (
                        performer_name VARCHAR2(255) PRIMARY KEY, -- Assuming
VARCHAR2 for performer_name
                        agent VARCHAR2(255),
                        phone_number INTEGER,
                        email VARCHAR2(255)
);

CREATE TABLE Event (
                event_time VARCHAR2(255),
                event_id INTEGER PRIMARY KEY,
                event_name VARCHAR2(255),
                event_description VARCHAR2(255)
);

CREATE TABLE Department (
                        dept_name VARCHAR2(255),
                        dept_description VARCHAR2(255),
                        event_id INTEGER,
                        PRIMARY KEY (dept_name, event_id),
                        FOREIGN KEY (event_id) REFERENCES Event(event_id)
);

CREATE TABLE Venue (
                venue_name VARCHAR2(255),
                venue_address VARCHAR2(255),
                venue_capacity INTEGER,
                event_id INTEGER,
                PRIMARY KEY (venue_name),
                FOREIGN KEY (event_id) REFERENCES EVENT
                ON DELETE CASCADE
);
```

```
CREATE TABLE Vendor (
                     vendor_name VARCHAR2(255),
                     vendor_location VARCHAR2(255),
                     vendor_hours INTEGER,
                     PRIMARY KEY (vendor_name)
);

CREATE TABLE Food_Vendor (
                          vendor_name VARCHAR2(255),
                          alcohol_number INTEGER,
                          style VARCHAR2(255),
                          PRIMARY KEY (vendor_name),
                          FOREIGN KEY (vendor_name) REFERENCES
Vendor(vendor_name)
);

CREATE TABLE Merchandise_Vendor (
                                 vendor_name VARCHAR2(255),
                                 brands_carried VARCHAR2(255),
                                 PRIMARY KEY (vendor_name),
                                 FOREIGN KEY (vendor_name) REFERENCES
Vendor(vendor_name)
);

-- Your INSERT statements remain the same
INSERT INTO Guest (guest_name, email, ticket_number, phone_number)
VALUES ('Leo Wang', 'leo.wang@gmail.com', 1001, 123456789);
INSERT INTO Guest (guest_name, email, ticket_number, phone_number)
VALUES ('Michael Cui', 'michael.cui@gmail.com', 1002, 123456789);
INSERT INTO Guest (guest_name, email, ticket_number, phone_number)
VALUES('Kaiser Ninomiya', 'kaiser.ninomiya@gmail.com', 1003, 123456789);
INSERT INTO Guest (guest_name, email, ticket_number, phone_number)
VALUES('Jason Zhu', 'jason.zhu@gmail.com', 1004, 123456789);
INSERT INTO Guest (guest_name, email, ticket_number, phone_number)
VALUES('Stephen Qiao', 'stephen.qiao@gmail.com', 1005, 123456789);

INSERT INTO Staff (staff_id, name, email, phone_number, staff_role)
VALUES (1, 'Leo Wang', 'leo.wang@gmail.com', 123456789, 'Manager');
INSERT INTO Staff (staff_id, name, email, phone_number, staff_role)
VALUES(2, 'Michael Cui', 'michael.cui@gmail.com', 123456789, 'Supervisor');
INSERT INTO Staff (staff_id, name, email, phone_number, staff_role)
VALUES(3, 'Kaiser Ninomiya', 'kaiser.ninomiya@gmail.com', 123456789,
'Technician');
INSERT INTO Staff (staff_id, name, email, phone_number, staff_role)
VALUES(4, 'Jason Zhu', 'jason.zhu@gmail.com', 123456789, 'Coordinator');
INSERT INTO Staff (staff_id, name, email, phone_number, staff_role)
```

```sql
VALUES(5, 'Stephen Qiao', 'stephen.qiao@gmail.com', 123456789, 'Support
Staff');

INSERT INTO Sponsor (sponsor_name, amount, request, phone_number, email)
VALUES('Facebook', 10000, 'Display advertisement at Main Stage', 123456789,
'facebook@gmail.com');
INSERT INTO Sponsor (sponsor_name, amount, request, phone_number, email)
VALUES('Microsoft', 5000, 'Advertisement', 123456789, 'microsoft@gmail.com');
INSERT INTO Sponsor (sponsor_name, amount, request, phone_number, email)
VALUES('Nike', 7000, 'Pop-up shop', 123456789, 'nike@gmail.com');
INSERT INTO Sponsor (sponsor_name, amount, request, phone_number, email)
VALUES('Apple', 12000, 'Video sponsor', 123456789, 'apple@gmail.com');
INSERT INTO Sponsor (sponsor_name, amount, request, phone_number, email)
VALUES('Alibaba', 8000, 'Advertisement', 123456789, 'alibaba@gmail.com');

INSERT INTO Performer (performer_name, agent, phone_number, email)
VALUES('NBA Youngboy', 'Rich Paul', 123456789,
'youngboyneverbrokeagain@gmail.com');
INSERT INTO Performer (performer_name, agent, phone_number, email)
VALUES('Drake', 'Chubbs', 123456789, 'aubreygraham@gmail.com');
INSERT INTO Performer (performer_name, agent, phone_number, email)
VALUES('Travis Scott', 'Kylie Jenner', 123456789, 'tscott@gmail.com');
INSERT INTO Performer (performer_name, agent, phone_number, email)
VALUES('Kanye West', 'Pete Davidson', 123456789, 'ye@gmail.com');
INSERT INTO Performer (performer_name, agent, phone_number, email)
VALUES('Taylor Swift', 'Katy Perry', 123456789, 'taylorswift@gmail.com');

INSERT INTO Event (event_time, event_id, event_name, event_description)
VALUES('2023-11-01 08:00:00', 1, 'NBA Youngboy Concert', 'Concert for rapper
NBA Youngboy ');
INSERT INTO Event (event_time, event_id, event_name, event_description)
VALUES('2023-11-02 18:00:00', 2, 'NBA game', 'Golden State Warriors vs. Toronto
Raptors');
INSERT INTO Event (event_time, event_id, event_name, event_description)
VALUES('2023-11-03 20:00:00', 3, 'NHL game', 'Toronto Maple Leafs vs. Calgary
Flames');
INSERT INTO Event (event_time, event_id, event_name, event_description)
VALUES('2023-11-04 14:00:00', 4, 'Drake Concert', 'live performance by the 6ix
god');
INSERT INTO Event (event_time, event_id, event_name, event_description)
VALUES('2023-11-05 12:00:00', 5, 'WNBA game', 'New York Liberty vs. Las Vegas
Aces');

INSERT INTO Department (dept_name, dept_description, event_id)
VALUES('Tech', 'Controls event technology', 1);
INSERT INTO Department (dept_name, dept_description, event_id)
VALUES('Food', 'Manages food sellers at event', 2);
```

```sql
INSERT INTO Department (dept_name, dept_description, event_id)
VALUES('Lights', 'Controls Lighting at event', 3);
INSERT INTO Department (dept_name, dept_description, event_id)
VALUES('Audio', 'Controls event audio', 4);
INSERT INTO Department (dept_name, dept_description, event_id)
VALUES('Bookings', 'Manages bookings', 5);

INSERT INTO Venue (venue_name, venue_address, venue_capacity, event_id)
VALUES('Apple', '123 Granville Street', 500, 1);
INSERT INTO Venue (venue_name, venue_address, venue_capacity, event_id)
VALUES('McDonald's', '456 Burrard Avenue', 800, 2);
INSERT INTO Venue (venue_name, venue_address, venue_capacity, event_id)
VALUES('Nike', '789 University Blvd', 600, 3);
INSERT INTO Venue (venue_name, venue_address, venue_capacity, event_id)
VALUES('Auto Group', '101 Student Union Blvd', 1000, 4);
INSERT INTO Venue (venue_name, venue_address, venue_capacity, event_id)
VALUES('Merch Store', '202 Lougheed Circle', 1500, 5);

INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
VALUES('VenderA', 'North Side', 8);
INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
VALUES('VenderB', 'East Side', 6);
INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
VALUES('VenderC', 'West Side', 7);
INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
VALUES('VenderD', 'South Side', 5);
INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
VALUES('VenderE', 'Central Area', 10);
INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
VALUES('VenderF', 'Central Area', 10);
INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
VALUES('VenderG', 'Central Area', 10);
INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
VALUES('VenderH', 'Central Area', 10);
INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
VALUES('VenderI', 'Central Area', 10);
INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
VALUES('VenderJ', 'Central Area', 10);

INSERT INTO Food_Vendor (vendor_name, alcohol_number, style)
VALUES('VenderA', 1001, 'Italian');
INSERT INTO Food_Vendor (vendor_name, alcohol_number, style)
VALUES('VenderB', 1002, 'Chinese');
INSERT INTO Food_Vendor (vendor_name, alcohol_number, style)
VALUES('VenderC', 1003, 'Mexican');
INSERT INTO Food_Vendor (vendor_name, alcohol_number, style)
VALUES('VenderD', 1004, 'Indian');
```

```
INSERT INTO Food_Vendor (vendor_name, alcohol_number, style)
VALUES('VenderE', 1005, 'French');

INSERT INTO Merchandise_Vendor (vendor_name, brands_carried)
VALUES('VenderF', 'Nike');
INSERT INTO Merchandise_Vendor (vendor_name, brands_carried)
VALUES('VenderG', 'Lululemon');
INSERT INTO Merchandise_Vendor (vendor_name, brands_carried)
VALUES('VenderH', 'Arcteryx');
INSERT INTO Merchandise_Vendor (vendor_name, brands_carried)
VALUES('VenderI', 'Adidas');
INSERT INTO Merchandise_Vendor (vendor_name, brands_carried)
VALUES('VenderJ', 'Prada');
```

Screenshots of scripts being run

```
[2023-12-02 21:40:22] completed in 9 ms
ORA_MCUI03> INSERT INTO Guest (guest_name, email, ticket_number, phone_number)
            VALUES('Stephen Qiao', 'stephen@gmail.com', 1015, 123456789)
[2023-12-02 21:40:22] 1 row affected in 32 ms
ORA_MCUI03> INSERT INTO Guest (guest_name, email, ticket_number, phone_number)
            VALUES ('Leo Wang', 'leo.wang@gmail.com', 1010, 123456789)
[2023-12-02 21:40:47] 1 row affected in 10 ms
ORA_MCUI03> INSERT INTO Guest (guest_name, email, ticket_number, phone_number)
            VALUES ('Michael Cui', 'michael@gmail.com', 1011, 123456789)
[2023-12-02 21:40:47] 1 row affected in 14 ms
ORA_MCUI03> INSERT INTO Guest (guest_name, email, ticket_number, phone_number)
            VALUES('Kaiser Ninomiya', 'kaiser@gmail.com', 1013, 123456789)
[2023-12-02 21:40:47] 1 row affected in 8 ms
ORA_MCUI03> INSERT INTO Guest (guest_name, email, ticket_number, phone_number)
            VALUES('Jason Zhu', 'jason.zhu@gmail.com', 1014, 123456789)
[2023-12-02 21:40:47] 1 row affected in 7 ms
ORA_MCUI03> INSERT INTO Staff (staff_id, name, email, phone_number, staff_role)
            VALUES (1, 'Leo Wang', 'leo.wang@gmail.com', 123456789, 'Manager')
[2023-12-02 21:40:47] 1 row affected in 31 ms
ORA_MCUI03> INSERT INTO Staff (staff_id, name, email, phone_number, staff_role)
            VALUES(2, 'Michael Cui', 'michael@gmail.com', 123456789, 'Supervisor')
[2023-12-02 21:40:47] 1 row affected in 7 ms
ORA_MCUI03> INSERT INTO Staff (staff_id, name, email, phone_number, staff_role)
            VALUES(3, 'Kaiser Ninomiya', 'kaiser@gmail.com', 123456789, 'Technician')
[2023-12-02 21:40:47] 1 row affected in 20 ms
ORA_MCUI03> INSERT INTO Staff (staff_id, name, email, phone_number, staff_role)
            VALUES(4, 'Jason Zhu', 'jason.zhu@gmail.com', 123456789, 'Coordinator')
[2023-12-02 21:40:47] 1 row affected in 11 ms
ORA_MCUI03> INSERT INTO Staff (staff_id, name, email, phone_number, staff_role)
            VALUES(5, 'Stephen Qiao', 'stephen@gmail.com', 123456789, 'Support Staff')
[2023-12-02 21:40:47] 1 row affected in 11 ms
ORA_MCUI03> INSERT INTO Sponsor (sponsor_name, amount, request, phone_number, email)
            VALUES('Facebook', 10000, 'Display advertisement at Main Stage', 123456789, 'facebook@gmail.com')
[2023-12-02 21:40:47] 1 row affected in 16 ms
ORA_MCUI03> INSERT INTO Sponsor (sponsor_name, amount, request, phone_number, email)
            VALUES('Microsoft', 5000, 'Advertisement', 123456789, 'microsoft@gmail.com')
[2023-12-02 21:40:47] 1 row affected in 8 ms
ORA_MCUI03> INSERT INTO Sponsor (sponsor_name, amount, request, phone_number, email)
            VALUES('Nike', 7000, 'Pop-up shop', 123456789, 'nike@gmail.com')
[2023-12-02 21:40:47] 1 row affected in 8 ms
ORA_MCUI03> INSERT INTO Sponsor (sponsor_name, amount, request, phone_number, email)
```

```
[2023-12-02 21:40:48] 1 row affected in 19 ms
ORA_MCUI03> INSERT INTO Sponsor (sponsor_name, amount, request, phone_number, email)
            VALUES('Alibaba', 8000, 'Advertisement', 123456789, 'alibaba@gmail.com')
[2023-12-02 21:40:48] 1 row affected in 8 ms
ORA_MCUI03> INSERT INTO Performer (performer_name, agent, phone_number, email)
            VALUES('NBA Youngboy', 'Rich Paul', 123456789, 'young@gmail.com')
[2023-12-02 21:40:48] 1 row affected in 15 ms
ORA_MCUI03> INSERT INTO Performer (performer_name, agent, phone_number, email)
            VALUES('Drake', 'Chubbs', 123456789, 'aubreygraham@gmail.com')
[2023-12-02 21:40:48] 1 row affected in 9 ms
ORA_MCUI03> INSERT INTO Performer (performer_name, agent, phone_number, email)
            VALUES('Travis Scott', 'Kylie Jenner', 123456789, 'tscott@gmail.com')
[2023-12-02 21:40:48] 1 row affected in 9 ms
ORA_MCUI03> INSERT INTO Performer (performer_name, agent, phone_number, email)
            VALUES('Kanye West', 'Pete Davidson', 123456789, 'ye@gmail.com')
[2023-12-02 21:40:48] 1 row affected in 9 ms
ORA_MCUI03> INSERT INTO Performer (performer_name, agent, phone_number, email)
            VALUES('Taylor Swift', 'Katy Perry', 123456789, 'taylorswift@gmail.com')
[2023-12-02 21:40:48] 1 row affected in 9 ms
ORA_MCUI03> INSERT INTO Event (event_time, event_id, event_name, event_description)
            VALUES('2023-11-01 08:00:00', 1, 'NBA Youngboy Concert', 'Concert for rapper NBA Youngboy ')
[2023-12-02 21:40:48] 1 row affected in 16 ms
ORA_MCUI03> INSERT INTO Event (event_time, event_id, event_name, event_description)
            VALUES('2023-11-02 18:00:00', 2, 'NBA game', 'Golden State Warriors vs. Toronto Raptors')
[2023-12-02 21:40:48] 1 row affected in 9 ms
ORA_MCUI03> INSERT INTO Event (event_time, event_id, event_name, event_description)
            VALUES('2023-11-03 20:00:00', 3, 'NHL game', 'Toronto Maple Leafs vs. Calgary Flames')
[2023-12-02 21:40:48] 1 row affected in 9 ms
ORA_MCUI03> INSERT INTO Event (event_time, event_id, event_name, event_description)
            VALUES('2023-11-04 14:00:00', 4, 'Drake Concert', 'live performance by the 6ix god')
[2023-12-02 21:40:48] 1 row affected in 17 ms
ORA_MCUI03> INSERT INTO Event (event_time, event_id, event_name, event_description)
            VALUES('2023-11-05 12:00:00', 5, 'WNBA game', 'New York Liberty vs. Las Vegas Aces')
[2023-12-02 21:40:48] 1 row affected in 8 ms
ORA_MCUI03> INSERT INTO Department (dept_name, dept_description, event_id)
            VALUES('Tech', 'Controls event technology', 1)
[2023-12-02 21:40:48] 1 row affected in 27 ms
ORA_MCUI03> INSERT INTO Department (dept_name, dept_description, event_id)
```

```
[2023-12-02 21:40:48] 1 row affected in 9 ms
ORA_MCUI03> INSERT INTO Department (dept_name, dept_description, event_id)
            VALUES('Audio', 'Controls event audio', 4)
[2023-12-02 21:40:48] 1 row affected in 8 ms
ORA_MCUI03> INSERT INTO Department (dept_name, dept_description, event_id)
            VALUES('Bookings', 'Manages bookings', 5)
[2023-12-02 21:40:48] 1 row affected in 11 ms
ORA_MCUI03> INSERT INTO Venue (venue_name, venue_address, venue_capacity, event_id)
            VALUES('Apple', '123 Granville Street', 500, 1)
[2023-12-02 21:40:48] 1 row affected in 16 ms
ORA_MCUI03> INSERT INTO Venue (venue_name, venue_address, venue_capacity, event_id)
            VALUES('McDonald's', '456 Burrard Avenue', 800, 2)
[2023-12-02 21:40:48] 1 row affected in 9 ms
ORA_MCUI03> INSERT INTO Venue (venue_name, venue_address, venue_capacity, event_id)
            VALUES('Nike', '789 University Blvd', 600, 3)
[2023-12-02 21:40:48] 1 row affected in 8 ms
ORA_MCUI03> INSERT INTO Venue (venue_name, venue_address, venue_capacity, event_id)
            VALUES('Auto Group', '101 Student Union Blvd', 1000, 4)
[2023-12-02 21:40:48] 1 row affected in 7 ms
ORA_MCUI03> INSERT INTO Venue (venue_name, venue_address, venue_capacity, event_id)
            VALUES('Merch Store', '202 Lougheed Circle', 1500, 5)
[2023-12-02 21:40:48] 1 row affected in 11 ms
ORA_MCUI03> INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
            VALUES('VenderA', 'North Side', 8)
[2023-12-02 21:40:48] 1 row affected in 17 ms
ORA_MCUI03> INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
            VALUES('VenderB', 'East Side', 6)
[2023-12-02 21:40:48] 1 row affected in 8 ms
ORA_MCUI03> INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
            VALUES('VenderC', 'West Side', 7)
[2023-12-02 21:40:48] 1 row affected in 9 ms
ORA_MCUI03> INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
            VALUES('VenderD', 'South Side', 5)
[2023-12-02 21:40:48] 1 row affected in 9 ms
ORA_MCUI03> INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
            VALUES('VenderE', 'Central Area', 10)
[2023-12-02 21:40:48] 1 row affected in 9 ms
ORA_MCUI03> INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
            VALUES('VenderF', 'Central Area', 10)
[2023-12-02 21:40:48] 1 row affected in 13 ms
```

```
[2023-12-02 21:40:49] 1 row affected in 13 ms
ORA_MCUI03> INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
            VALUES('VenderG', 'Central Area', 10)
[2023-12-02 21:40:49] 1 row affected in 8 ms
ORA_MCUI03> INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
            VALUES('VenderH', 'Central Area', 10)
[2023-12-02 21:40:49] 1 row affected in 9 ms
ORA_MCUI03> INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
            VALUES('VenderI', 'Central Area', 10)
[2023-12-02 21:40:49] 1 row affected in 10 ms
ORA_MCUI03> INSERT INTO Vendor (vendor_name, vendor_location, vendor_hours)
            VALUES('VenderJ', 'Central Area', 10)
[2023-12-02 21:40:49] 1 row affected in 10 ms
ORA_MCUI03> INSERT INTO Food_Vendor (vendor_name, alcohol_number, style)
            VALUES('VenderA', 1001, 'Italian')
[2023-12-02 21:40:49] 1 row affected in 20 ms
ORA_MCUI03> INSERT INTO Food_Vendor (vendor_name, alcohol_number, style)
            VALUES('VenderB', 1002, 'Chinese')
[2023-12-02 21:40:49] 1 row affected in 9 ms
ORA_MCUI03> INSERT INTO Food_Vendor (vendor_name, alcohol_number, style)
            VALUES('VenderC', 1003, 'Mexican')
[2023-12-02 21:40:49] 1 row affected in 7 ms
ORA_MCUI03> INSERT INTO Food_Vendor (vendor_name, alcohol_number, style)
            VALUES('VenderD', 1004, 'Indian')
[2023-12-02 21:40:49] 1 row affected in 9 ms
ORA_MCUI03> INSERT INTO Food_Vendor (vendor_name, alcohol_number, style)
            VALUES('VenderE', 1005, 'French')
[2023-12-02 21:40:49] 1 row affected in 8 ms
ORA_MCUI03> INSERT INTO Merchandise_Vendor (vendor_name, brands_carried)
            VALUES('VenderF', 'Nike')
[2023-12-02 21:40:49] 1 row affected in 16 ms
ORA_MCUI03> INSERT INTO Merchandise_Vendor (vendor_name, brands_carried)
            VALUES('VenderG', 'Lululemon')
[2023-12-02 21:40:49] 1 row affected in 9 ms
ORA_MCUI03> INSERT INTO Merchandise_Vendor (vendor_name, brands_carried)
            VALUES('VenderH', 'Arcteryx')
[2023-12-02 21:40:49] 1 row affected in 7 ms
ORA_MCUI03> INSERT INTO Merchandise_Vendor (vendor_name, brands_carried)
            VALUES('VenderI', 'Adidas')
[2023-12-02 21:40:49] 1 row affected in 13 ms
```

SQL Queries

All of our SQL queries are in the DatabaseConnectionHandler.java file.

Insert: line 174
Delete: line 99

Screenshots
Tables in the database
Insert

VENUE_NAME	VENUE_ADDRESS	VENUE_CAPACITY	EVENT_ID
1 doug mitchell	123	500	2
2 chase centre	san fran	1000	2
3 bc place	granville	1000	2
4 rogers centre	123	1000	1

Insert Venue

Venue Name

saddledome

Venue Address

324343324

Venue Capacity

100

Event ID

1

Submit

Message

Successfully Added!

OK

VENUE_NAME	VENUE_ADDRESS	VENUE_CAPACITY	EVENT_ID
1 saddledome	324343324	100	1
2 doug mitchell	123	500	2
3 chase centre	san fran	1000	2
4 bc place	granville	1000	2
5 rogers centre	123	1000	1

Delete

VENUE_NAME	VENUE_ADDRESS	VENUE_CAPACITY	EVENT_ID
1 saddledome	324343324	100	1
2 doug mitchell	123	500	2
3 chase centre	san fran	1000	2
4 bc place	granville	1000	2
5 rogers centre	123	1000	1

Delete Venue

Venue Name

saddledome

Submit

Message

Successfully deleted

OK

Submit

VENUE_NAME	VENUE_ADDRESS	VENUE_CAPACITY	EVENT_ID
1 doug mitchell	123	500	2
2 chase centre	san fran	1000	2
3 bc place	granville	1000	2
4 rogers centre	123	1000	1

Update

VENUE_NAME	VENUE_ADDRESS	VENUE_CAPACITY	EVENT_ID
1 doug mitchell	123	500	2
2 chase centre	san fran	1000	2
3 bc place	granville	1000	2
4 rogers centre	123	1000	1

Update Venue Venue Name

chase centre

Venue Address

test new address

Venue Capacity

100

Event ID

1

Submit

Message

The event has been updated

OK

VENUE_NAME	VENUE_ADDRESS	VENUE_CAPACITY	EVENT_ID
1 doug mitchell	123	500	2
2 chase centre	test new address	100	1
3 bc place	granville	1000	2
4 rogers centre	123	1000	1

The rest of the sections are run with these table tables:

	VENUE_NAME	VENUE_ADDRESS	VENUE_CAPACITY	EVENT_ID
1	saddledome	324343324	100	1
2	doug mitchell	123	500	2
3	chase centre	san fran	1000	2
4	bc place	granville	1000	2
5	rogers centre	123	1000	1

WHERE   ORDER BY

	EVENT_TIME	EVENT_ID	EVENT_NAME	EVENT_DESCRIPTION
1	5:30	1	Random Event 1	Random Event
2	1:30	2	Random Event 2	Random

Selection

Update Venue Venue Name   Select a venue to view

saddledome   Venue Name

Venue Address   rogers centre

324343324   Submit

Venue Capacity

Message

Here is the venue you selected:
Venue name: rogers centre, Venue address: 123, Venue Capacity: 1000, Event ID: 1

OK

1300   Submit

Projection

Choose columns to view in the venue table

☑ Venue Name ☑ Venue Address

☑ Venue Capacity ☑ Event ID

Submit

Get total capacity for each event

Submit

Enter minimum atten

0

Message

Here are your specified columns in the venue table:
Venue name: saddledome,   Venue address: 324343324,   Venue capacity: 100,   Event ID: 1,
Venue name: doug mitchell,   Venue address: 123,   Venue capacity: 500,   Event ID: 2,
Venue name: chase centre,   Venue address: san fran,   Venue capacity: 1000,   Event ID: 2,
Venue name: bc place,   Venue address: granville,   Venue capacity: 1000,   Event ID: 2,
Venue name: rogers centre,   Venue address: 123,   Venue capacity: 1000,   Event ID: 1,

OK

Aggregation with Group-By

table

Get total capacity for each event

Enter r

ss

Submit

0

Message

Here are max capacities for each event:
Event ID: 1, Total Capacity: 1100
Event ID: 2, Total Capacity: 2500

OK

Aggregation with Having

Enter minimum attendance of the event

Average capacity for each event by venue

0

Submit

Submit

Message

These events have a higher attendance than the number you specified:
Event ID: 1 , Total Capacity: 1100
Event ID: 2 , Total Capacity: 2500

OK

Enter minimum attendance of the event

Average capacity for each event by venue

1500

Submit

Submit

Message

These events have a higher attendance than the number you specified:
Event ID: 2 , Total Capacity: 2500

OK

Nested Aggregation with Group by

Minimum average venue capacity

Submit

Submit

Message

Minimum average venue capacity: 550

OK

Division

attendance of the event

Average capacity for each event by venue

Submit

Message

Here are the average attendances for each event:
EventID: 1 Average Capacity: 550.0
EventID: 2 Average Capacity: 833.3333333333334

OK

Sources

Tutorial 6