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 scheme does not have any differences from the one we turned in. We found nothing that needed to be changed.

Schema

Entities

Guest(

Email: VARCHAR, Name: VARCHAR, ticket #: INTEGER, phone #: INTEGER)

Event(

Time: DATETIME, event ID: INTEGER, Name: VARCHAR, Description: TEXT)

Staff(

Role: VARCHAR, Email: VARCHAR, Name: VARCHAR, staff ID: INTEGER, phone #: INTEGER)

Department(

Name: VARCHAR, Description: TEXT, **event ID**: INTEGER)

Sponsor(

sponsor name: VARCHAR,

Amount: DOUBLE, Request: TEXT,

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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

```
CREATE TABLE Guest (

guest_name VARCHAR2(20),
email VARCHAR2(20),
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),
```

```
CREATE TABLE Sponsor (
);
CREATE TABLE Performer (
event_time
);
CREATE TABLE Department (
);
```

```
CREATE TABLE Vendor (
);
Vendor(vendor name)
);
CREATE TABLE Merchandise Vendor (
Vendor(vendor name)
);
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)
```

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Staff');
INSERT INTO Sponsor (sponsor name, amount, request, phone number, email)
INSERT INTO Sponsor (sponsor name, amount, request, phone number, email)
INSERT INTO Sponsor (sponsor_name, amount, request, phone_number, email)
INSERT INTO Sponsor (sponsor name, amount, request, phone number, email)
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
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
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);
```

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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)
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');
```

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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');
```

SQL Queries

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

Insert: line 395
Delete: line 366
Update: line 336
Selection: line 271
Projection: line 207

Join:

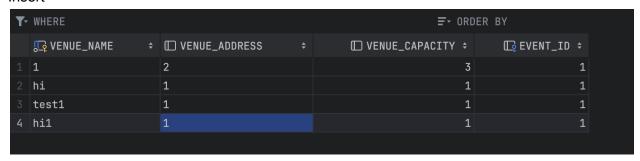
Aggregation with GROUP BY: 144 Aggregation with HAVING: line 174 Nested Aggregation with GROUP BY:

Division: line 52

Screenshots

Tables in the database

Insert



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	∏⊋ VENUE_NAME	□ VENUE_ADDRESS	□ VENUE_CAPACITY ÷	☐ EVENT_ID ÷
1	1	2	3	1
2	cpsc304	111 test	100	2
3	hi	1	1	1
4	test1	1	1	1
5	hi1	1	1	1

Delete

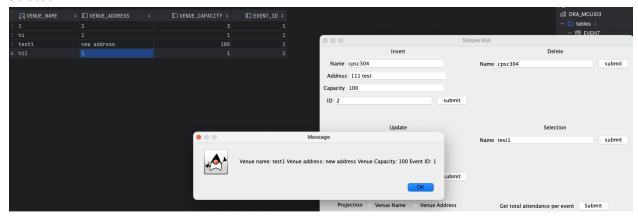
	□ VENUE_NAME	♥ □ VENUE_ADDRESS	\$	□ VENUE_CAPACITY ÷	F EVENT_ID ÷	
1	1	2		3	1	
2	hi	1		1	1	
3	test1	1		1	1	
4	hi1	1		1	1	

Update

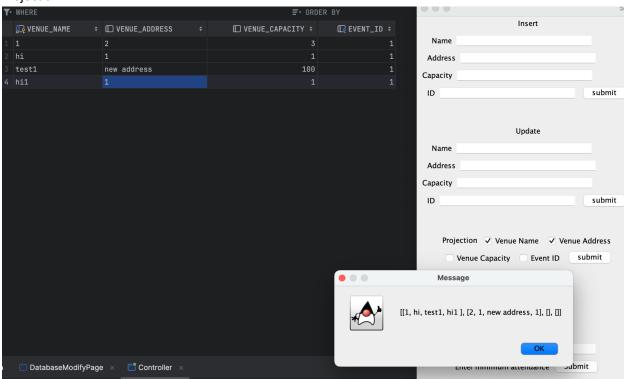
	VENUE_NAME	□ VENUE_ADDRESS	□ VENUE_CAPACITY ÷	☐ EVENT_ID ÷
1	1	2	3	1
2	hi	1	1	1
3	test1	new address	100	1
4	hi1	1	1	1

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Selection

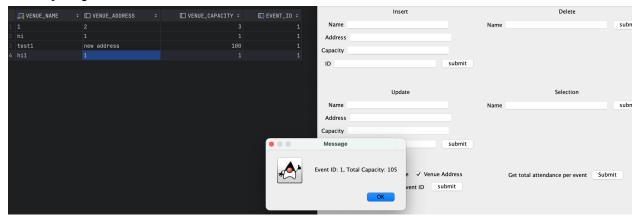


Projection

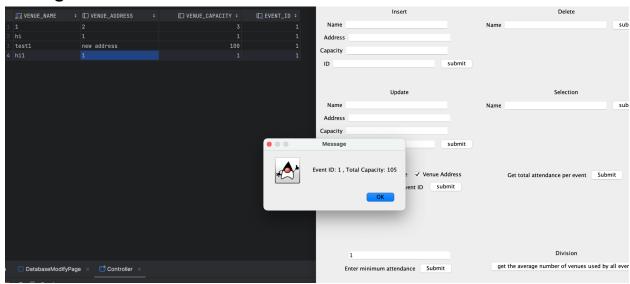


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Group-By



Having



Sources

Tutorial 6