Northeastern University
DAMG6210 - Data Management and Database Design
Team Name - Runtime Terror
Project Topic : Event Management System

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SQL Scripts

DDL - Just run this directly

```
BEGIN
EXECUTE IMMEDIATE 'DROP TABLE FEEDBACK';
EXCEPTION
  WHEN OTHERS
  THEN NULL;
END;
/


BEGIN
EXECUTE IMMEDIATE 'DROP TABLE TICKETS';
EXCEPTION
  WHEN OTHERS
  THEN NULL;
END;
/


BEGIN
EXECUTE IMMEDIATE 'DROP TABLE EVENTS';
EXCEPTION
  WHEN OTHERS
  THEN NULL;
END;
/

BEGIN
```

```
EXECUTE IMMEDIATE 'DROP TABLE VENUE';
EXCEPTION
  WHEN OTHERS
  THEN NULL;
END;
/

BEGIN
EXECUTE IMMEDIATE 'DROP TABLE ORGANIZER';
EXCEPTION
  WHEN OTHERS
  THEN NULL;
END;
/

BEGIN
EXECUTE IMMEDIATE 'DROP TABLE DEPARTMENT';
EXCEPTION
  WHEN OTHERS
  THEN NULL;
END;
/


BEGIN
EXECUTE IMMEDIATE 'DROP TABLE LOGIN';
EXCEPTION
  WHEN OTHERS
  THEN NULL;
END;
/
COMMIT;

Create table Login(
USER_ID varchar2(20) PRIMARY KEY,
USER_NAME varchar2(30) NOT NULL,
USER_EMAIL varchar2(80) NOT NULL,
PASSWORD varchar2(20) NOT NULL,
USER_ROLE varchar2(20) NOT NULL
);

Create table Department(
DEPARTMENT_ID varchar2(20) PRIMARY KEY,
DEPARTMENT_NAME varchar2(30) NOT NULL,
DEPARTMENT_HEAD varchar2(30) NOT NULL,
DEPARTMENT_CONTACT varchar2(15) NOT NULL
);
```

```sql
Create table Organizer(
ORGANIZER_ID varchar2(20) PRIMARY KEY,
DEPARTMENT_ID varchar2(20) REFERENCES DEV1.Department(DEPARTMENT_ID),
EMAIL varchar2(80) NOT NULL,
ORGANIZER_LIST varchar2(255),
ORGANIZER_HEAD_CONTACT varchar2(20) NOT NULL,
ORGANIZER_HEAD_NAME varchar2(30) NOT NULL
);


Create table Venue(
VENUE_ID varchar2(20) PRIMARY KEY,
VENUE_NAME varchar2(30) NOT NULL,
VENUE_LOCATION varchar2(50) NOT NULL,
VENUE_OCCUPANCY_LIMIT number(5) NOT NULL,
VENUE_PRICE varchar2(10) NOT NULL
);

Create table Events(
EVENT_ID varchar2(20) PRIMARY KEY,
ORGANIZER_ID varchar2(20) REFERENCES DEV1.ORGANIZER(ORGANIZER_ID),
VENUE_ID varchar2(20) REFERENCES DEV1.VENUE(VENUE_ID),
EVENT_NAME varchar2(30) NOT NULL,
EVENT_START_DATE date NOT NULL,
EVENT_END_DATE date NOT NULL,
EVENT_PRICE varchar2(10) NOT NULL,
MAXIMUM_TICKETS number(5) NOT NULL,
EVENT_STATUS varchar2(20) NOT NULL
);

Create table Tickets(
TICKET_ID varchar2(20) PRIMARY KEY,
USER_ID varchar2(20) REFERENCES DEV1.LOGIN(USER_ID),
EVENT_ID varchar2(20) REFERENCES DEV1.EVENTS(EVENT_ID),
NAME_ON_TICKET varchar2(30) NOT NULL,
GENDER varchar2(10) NOT NULL,
NO_OF_TICKETS number(10) NOT NULL,
ADDRESS varchar2(50) NOT NULL,
MOBILE_NUMBER varchar2(20) NOT NULL,
EMAIL varchar2(80) NOT NULL,
BILL_DATE date NOT NULL,
TICKET_INFORMATION CLOB
);

Create table Feedback(
FEEDBACK_ID varchar2(20) PRIMARY KEY,
USER_ID varchar2(20) REFERENCES DEV1.LOGIN(USER_ID),
EVENT_ID varchar2(20) REFERENCES DEV1.EVENTS(EVENT_ID),
```

FEEDBACK_INFO varchar2(255) NOT NULL
);
COMMIT;

--SCRIPT TO INSERT VALUES IN DEPARTMENT TABLE

truncate table feedback;
truncate table tickets;
truncate table EVENTS;
truncate table venue;
truncate table organizer;
truncate table department;
truncate table login;

--truncate table login;
insert into login VALUES(1,'admin','eventmgtsystemadmin@gmail.com','admin','admin');
insert into login VALUES(2,'jack.reacher','jack.reacher@gmail.com','jack.reacher123','student');
insert into login VALUES(3,'tim.cook','tim.cook@gmail.com','tim.cook123','student');
insert into login VALUES(4,'scott.raven','scott.raven@gmail.com','scott.raven123','student');
insert into login VALUES(5,'satish.krishnan','satish.krishnan@gmail.com','satish.krishnan123','student');
insert into login VALUES(6,'satyam.mishra','satyam.mishra@gmail.com','satyam.mishra123','student');
insert into login VALUES(7,'shamin.choksi','shamin.choksi@gmail.com','shamin.choksi123','student');
insert into login VALUES(8,'vishwa.shah','vishwa.shah@gmail.com','vishwa.shah123','student');
insert into login VALUES(9,'thejas.bharadwaj','thejas.bharadwaj@gmail.com','thejas.bharadwaj123','student');
insert into login VALUES(10,'nishtha.pandya','nishtha.pandya@gmail.com','nishtha.pandya123','student');
insert into login VALUES(11,'niyati.mehta','niyati.mehta@gmail.com','niyati.mehta123','student');
insert into login VALUES(12,'scott.lang','scott.lang@gmail.com','scott.lang123','departmenthead');
insert into login VALUES(13,'barry.allen','barry.allen@gmail.com','barry.allen123','departmenthead');
insert into login VALUES(14,'clint.barton','clint.barton@gmail.com','clint.barton123','departmenthead');
insert into login VALUES(15,'tony.stark','tony.stark@gmail.com','tony.stark123','departmenthead');
insert into login VALUES(16,'steve.rogers','steve.rogers@gmail.com','steve.rogers123','departmenthead');
insert into login VALUES(17,'oliver.queen','oliver.queen@gmail.com','oliver.queen123','departmenthead');
insert into login VALUES(18,'bruce.wayne','bruce.wayne@gmail.com','bruce.wayne123','departmenthead');
insert into login VALUES(19,'clark.kent','clark.kent@gmail.com','clark.kent123','departmenthead');
insert into login VALUES(20,'thomas.shelby','thomas.shelby@gmail.com','thomas.shelby123','departmenthead');
insert into login VALUES(21,'bruce.banner','bruce.banner@gmail.com','bruce.banner123','departmenthead');
insert into login VALUES(22,'peter.parker','peter.parker@gmail.com','peter.parker123','departmenthead');
insert into login
VALUES(23,'richard.sherman','richard.sherman@northeastern.edu','richard.sherman123','organizer');
insert into login VALUES(24,'tara.rich','tara.rich@northeastern.edu','tara.rich123','organizer');
insert into login VALUES(25,'subhrata.das','subhrata.das@northeastern.edu','subhrata.das123','organizer');
insert into login VALUES(26,'wuping.wang','wuping.wang@northeastern.edu','wuping.wang123','organizer');
COMMIT;

--truncate table department;
insert into department VALUES(101,'Computer science','Scott Lang','8573287765');
insert into department VALUES(102,'Robotics','Barry Allen','8573282569');

```sql
insert into department VALUES(103,'Dance club','Clint Barton','8578847765');
insert into department VALUES(104,' Indian Music Club','Tony stark','9872287765');
insert into department VALUES(105,'Debate society','Steve Rogers','8511187765');
insert into department VALUES(206,'Western Dance club','Oliver Queen','8588547765');
insert into department VALUES(207,'3D Printing club','Bruce Wayne','8573325965');
insert into department VALUES(208,'Gym and Fitness','Clark Kent','8573991165');
insert into department VALUES(209,'Finance Club','Thomas Shelby','8573255905');
insert into department VALUES(310,'Marketing Mavericks','Bruce Banner','8573289921');
insert into department VALUES(311,'Architecture society','Peter Parker','8573283341');
COMMIT;

--truncate table organizer;
insert into organizer VALUES(12,101,'richard.sherman@northeastern.edu','Manish Patel, Richard Sherman,
Vishwa Shah, Aangi Shah','8574563278','Richard Sherman');
insert into organizer VALUES(13,102,'tara.rich@northeastern.edu','Tara Rich, Soham Shah, Nishta
Pandya','8573282596','Tara Rich');
insert into organizer VALUES(14,103,'subhrata.das@northeastern.edu','Subhrata Das, Sanket Shah, Samved
Shah','8578847867','Subhrata Das');
insert into organizer VALUES(15,104,'wuping.wang@northeastern.edu','Wuping Wang, Aashka Jain, Aman
Shah','9872287345','Wuping Wang');
COMMIT;

--truncate table venue;
insert into venue VALUES(21,'Shillman Hall','115 Forsyth St, Boston, MA 02115',100,2000);
insert into venue VALUES(22,'Dodge Hall','324 Huntington Ave, Boston, MA 02115',200,4000);
insert into venue VALUES(23,'Richard Hall','360 Huntington Ave, Boston, MA 02115',300,3000);
insert into venue VALUES(24,'Behrakins Hall','460 Huntington Ave, MA 02120',200,1000);
insert into venue VALUES(25,'ISEC Building','805 Columbus Ave, Boston, MA 02120',300,1000);
COMMIT;

--truncate table EVENTS;
alter session set nls_date_format = 'yyyy/mm/dd hh24:mi:ss';
insert into events VALUES(1, 15, 21,'Navratri',TO_DATE('2003/05/03 19:02:44', 'yyyy/mm/dd
hh24:mi:ss'),TO_DATE('2003/05/03 21:02:44', 'yyyy/mm/dd hh24:mi:ss'), 20, 100, 'COMPLETED');
insert into events VALUES(2, 12, 22,'Cisco Hackathon 2022',TO_DATE('2022/12/03 19:02:44', 'yyyy/mm/dd
hh24:mi:ss'),TO_DATE('2022/12/03 21:02:44', 'yyyy/mm/dd hh24:mi:ss'), 25, 200, 'COMPLETED');
insert into events VALUES(3, 15, 22,'Sur Sandhya',TO_DATE('2022/12/11 19:00:00', 'yyyy/mm/dd
hh24:mi:ss'),TO_DATE('2022/12/11 23:00:00', 'yyyy/mm/dd hh24:mi:ss'), 10, 200, 'AVAILABLE');
insert into events VALUES(4, 13, 25,'Robot Exhibition',TO_DATE('2022/12/22 13:00:00', 'yyyy/mm/dd
hh24:mi:ss'),TO_DATE('2022/12/22 19:00:00', 'yyyy/mm/dd hh24:mi:ss'), 15, 50, 'COMPLETED');
insert into events VALUES(5, 14, 24,'Step Up',TO_DATE('2023/01/03 10:00:00', 'yyyy/mm/dd
hh24:mi:ss'),TO_DATE('2023/01/03 12:30:00', 'yyyy/mm/dd hh24:mi:ss'), 5, 100, 'UNAVAILABLE');
insert into events VALUES(6, 12, 21,'FAANG Workshop',TO_DATE('2022/12/03 14:02:44', 'yyyy/mm/dd
hh24:mi:ss'),TO_DATE('2022/12/03 18:02:44', 'yyyy/mm/dd hh24:mi:ss'), 25, 200, 'AVAILABLE');
insert into events VALUES(7, 15, 22,'Arijit Singh Concert',TO_DATE('2022/12/29 19:00:00', 'yyyy/mm/dd
hh24:mi:ss'),TO_DATE('2022/12/29 23:00:00', 'yyyy/mm/dd hh24:mi:ss'), 10, 200, 'CANCELLED');
insert into events VALUES(8, 13, 25,'Robotics and AI Workshop',TO_DATE('2022/12/21 13:00:00', 'yyyy/mm/dd
hh24:mi:ss'),TO_DATE('2022/12/21 19:00:00', 'yyyy/mm/dd hh24:mi:ss'), 15, 100, 'AVAILABLE');
```

```sql
COMMIT;

--truncate table tickets;
insert into tickets VALUES(1002,2,1,'jack reacher','Male',2,'1575 Tremont st.','9979916929','jack.reacher@gmail.com',TO_DATE('2022/12/21','yyyy/mm/dd'),'{"all_info":[{"name":"jack reacher", "age":"19", "gender":"male"},{"name":"priyanka sharma", "age":"18", "gender":"female"}]}');
insert into tickets VALUES(1003,3,2,'tim cook','Male',1,'857 Hungtington Ave','9876458960','tim.cook@gmail.com',TO_DATE('2022/12/20','yyyy/mm/dd'),'{"all_info":[{"name":"tim cook", "age":"20", "gender":"male"}]}');
insert into tickets VALUES(1004,4,3,'scott raven','Male',3,'16 Westland Ave','12348765598','scott.raven@gmail.com',TO_DATE('2022/11/21','yyyy/mm/dd'),'{"all_info":[{"name":"scott raven", "age":"25", "gender":"male"},{"name":"kavisha shah", "age":"28", "gender":"female"},{"name":"soham shah", "age":"29", "gender":"male"}]}');
insert into tickets VALUES(1005,5,4,'satish krishnan','Male',2,'1874 Roxbourgh crossing','7890654789','satish.krishnan@gmail.com',TO_DATE('2022/12/10','yyyy/mm/dd'),'{"all_info":[{"name":"satish krishnan", "age":"29", "gender":"male"},{"name":"nirja shah", "age":"23", "gender":"female"}]}');
insert into tickets VALUES(1006,6,6,'satyam mishra','Male',1,'987 Boylston St.','9876489874','satyam.mishra@gmail.com',TO_DATE('2022/10/21','yyyy/mm/dd'),'{"all_info":[{"name":"satyam mishra", "age":"29", "gender":"male"}]}');
insert into tickets VALUES(1007,7,7,'shamin choksi','Male',3,'786 Newburgh st','6179348885','shamin.choksi@gmail.com',TO_DATE('2022/12/01','yyyy/mm/dd'),'{"all_info":[{"name":"shamin choksi", "age":"19", "gender":"male"},{"name":"Sanket patel", "age":"20", "gender":"male"},{"name":"aman shah", "age":"18", "gender":"male"}]}');
insert into tickets VALUES(1008,8,8,'vishwa shah','Female',2,'888 Park St.','9825973110','vishwa.shah@gmail.com',TO_DATE('2022/11/10','yyyy/mm/dd'),'{"all_info":[{"name":"vishwa shah", "age":"23", "gender":"female"},{"name":"helly shah", "age":"25", "gender":"female"}]}');
insert into tickets VALUES(1009,9,1,'thejas bharadwaj','Male',1,'675 Arlington st.','9724064249','thejas.bharadwaj@gmail.com',TO_DATE('2022/12/21','yyyy/mm/dd'),'{"all_info":[{"name":"thejas bharadwaj", "age":"24", "gender":"male"}]}');
insert into tickets VALUES(1010,10,5,'nishtha pandya','Female',2,' Huntington Ave','9099040777','nishtha.pandya@gmail.com',TO_DATE('2022/11/01','yyyy/mm/dd'),'{"all_info":[{"name":"nishtha pandya", "age":"24", "gender":"female"},{"name":"Mahek pandya", "age":"21", "gender":"female"}]}');
insert into tickets VALUES(1011,11,2,'niyati mehta','Female',1,'Mission Hill','7600617658','niyati.mehta@gmail.com',TO_DATE('2022/12/13','yyyy/mm/dd'),'{"all_info":[{"name":"niyati mehta", "age":"19", "gender":"female"}]}');
COMMIT;

--truncate table feedback;
insert into feedback VALUES(1, 2, 1,'Good garba music');
insert into feedback VALUES(2, 3, 2,'Did not provide Refreshments');
insert into feedback VALUES(3, 5, 4,'Team was nor Technically sound');
insert into feedback VALUES(4, 9, 1,'Really nice decoration and music');
insert into feedback VALUES(5, 11, 2,'Coomittee was very helpful but needed some refreshments like coffee or redbull to go ahead for the hackathon');
COMMIT;

--list of events sorted by department
CREATE OR REPLACE VIEW Events_Departments AS
```

```sql
SELECT e.EVENT_NAME,d.DEPARTMENT_NAME FROM
EVENTS e JOIN
ORGANIZER o ON
e.ORGANIZER_ID = o.ORGANIZER_ID
JOIN
DEPARTMENT d ON
o.DEPARTMENT_ID = d.DEPARTMENT_ID
GROUP BY e.EVENT_NAME,d.DEPARTMENT_NAME
ORDER BY d.DEPARTMENT_NAME ;
COMMIT;

--total no of tickets sold for completed events
CREATE OR REPLACE VIEW NO_OF_TICKETS_SOLD_BY_EVENT AS SELECT
e.EVENT_NAME,SUM(t.NO_OF_TICKETS) AS NUMBER_OF_TICKETS FROM
EVENTS e
JOIN
TICKETS t
on
t.EVENT_ID = e.EVENT_ID
WHERE EVENT_STATUS = 'COMPLETED'
GROUP BY e.EVENT_NAME
ORDER BY e.EVENT_NAME;
COMMIT;

--list of all the available events for a particular day/month
CREATE OR REPLACE VIEW EVENTS_IN_DECEMBER AS
SELECT EVENT_NAME, EVENT_START_DATE
FROM EVENTS
WHERE to_char(EVENT_START_DATE,'MON')= 'DEC'
ORDER BY EVENT_START_DATE;
COMMIT;

--feedback for a particular event
CREATE OR REPLACE VIEW EVENT_FEEDBACK AS
select e.event_id, e.event_name,
LISTAGG(f.feedback_info,';')
within group (order by f.feedback_info) as info
from feedback f
JOIN events e
ON f.event_id = e.event_id
group by e.event_id, e.event_name
ORDER BY e.event_id;
COMMIT;

--order invoice
CREATE OR REPLACE VIEW ORDER_INVOICE AS
select t.ticket_id, t.event_id, t.no_of_tickets, t.name_on_ticket, e.event_price * t.no_of_tickets as
TOTAL_BILLING_PRICE,
```

```sql
JSON_query(t.ticket_information,'$.all_info[*].name' WITH WRAPPER) as Student_names
from tickets t
JOIN events e
ON t.event_id = e.event_id
ORDER BY t.ticket_id;
COMMIT;


--Number of users for a particular role -
CREATE OR REPLACE VIEW NUMBER_OF_USERS AS
SELECT user_role, count(*) AS Total_count from LOGIN
GROUP BY user_role
ORDER BY Total_count DESC;
COMMIT;


--List of cancelled events -
CREATE OR REPLACE VIEW LIST_OF_CANCELLED_EVENTS AS
select event_id, event_name, event_status
from EVENTS
where event_status = 'CANCELLED';
COMMIT;


--Registered students for a particular event
CREATE OR REPLACE VIEW REGISTERED_STUDENTS AS
select t.event_id, e.event_name,
LISTAGG(JSON_query(t.ticket_information,'$.all_info[*].name' WITH WRAPPER),',')
WITHIN GROUP (ORDER BY t.ticket_information) as Student_names
from tickets t
JOIN events e
ON t.event_id = e.event_id
group by t.event_id, e.event_name
ORDER BY t.event_id;
COMMIT;


--Total revenue generated for a particular event
CREATE OR REPLACE VIEW TOTAL_REVENUE_FOR_A_PARTICULAR_EVENT AS
select t.event_id,e.event_name,SUM(e.event_price * t.no_of_tickets) as TOTAL_EVENT_RVENUE from tickets t
inner join events e on t.event_id = e.event_id GROUP BY t.event_id, e.event_name order by t.event_id ;
COMMIT;


--Total number of tickets for a particular event
CREATE OR REPLACE VIEW TOTAL_TICKETS_FOR_A_PARTICULAR_EVENT AS
select t.event_id,e.event_name,SUM( t.no_of_tickets) as TOTAL_EVENT_TICKETS from tickets t inner join
events e on t.event_id = e.event_id GROUP BY t.event_id, e.event_name order by t.event_id ;
COMMIT;


--Venue Availability (shows booked timings for each venue)
CREATE OR REPLACE VIEW Venue_Availibility_booked_timings AS
```

```sql
select v.venue_id,v.venue_name,e.event_start_date,to_char(e.event_start_date, 'hh24:mi:ss') as
event_start_time,event_end_date,to_char(e.event_end_date, 'hh24:mi:ss')as event_end_time from venue v inner
join events e on v.venue_id=e.venue_id order by v.venue_id;
COMMIT;
```