Database Analysis & Design
INF10002

Task 4 – Pass Submission

Student Number: 103542974
Student Name: Hai Hoang Le

Pass 4a

Paste your screen capture(s) for this task here.

CAMPAIGN(CampaignCode, CampaignTitle)

PK CampaignCode

PLAYER(Pid, PName, Gender)

PK (Pid)

FK (CampaignCode) references CAMPAIGN (CampaginCode)

Pass 4b

Paste your screen capture(s) for this task here.

```
CREATE TABLE CAMPAIGN2974 (
  campaigncode VARCHAR(6) NULL,
  campaigntitle VARCHAR(100) NULL,
  PRIMARY KEY (campaigncode)
);

CREATE TABLE Player2974 (
  pid INT NULL,
  pname VARCHAR(25) NULL,
  gender VARCHAR(1),
  Campaigncode VARCHAR(6),
  PRIMARY KEY (pid),
  FOREIGN KEY (Campaigncode) REFERENCES CAMPAIGN2974(campaigncode)
);
```

Pass 4c

Paste your screen capture(s) for this task here.

INSERT INTO Campaign2974 (campaigncode, campaigntitle) VALUES (1, 'Campaign One');
INSERT INTO Campaign2974 (campaigncode, campaigntitle) VALUES (2, 'Campaign Two');
INSERT INTO Campaign2974 (campaigncode, campaigntitle) VALUES (3, 'Campaign Three');

INSERT INTO Player2974 (pid, pname, gender, campaigncode) VALUES (21, 'Ali Aien', 'M', 2);
INSERT INTO Player2974 (pid, pname, gender, campaigncode) VALUES (22, 'Peter Ymer', 'M', 1);
INSERT INTO Player2974 (pid, pname, gender, campaigncode) VALUES (23, 'Sarah Rogers', 'F', 1);
INSERT INTO Player2974 (pid, pname, gender, campaigncode) VALUES (24, 'Sheelan Aien', 'F', 2);
INSERT INTO Player2974 (pid, pname, gender, campaigncode) VALUES (25, 'Hai Hoang Le, 'M', 3);
INSERT INTO Player2974 (pid, pname, gender, campaigncode) VALUES (26, 'Emma Watson', 'F', 3);

Pass 4d

Paste your screen capture(s) for this task here.

Feenix Student Environment

Enter Statements: describe campaign2974

[Execute] [Clear]

SELECT COLUMN_NAME, NULLABLE, DATA_TYPE FROM USER_TAB_COLS WHERE TABLE_NAME = 'CAMPAIGN2974'

COLUMN_NAME	NULLABLE	DATA_TYPE
CAMPAIGNCODE	N	VARCHAR2
CAMPAIGNTITLE	Y	VARCHAR2

OK. 2 rows selected.

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Feenix Student Environment

Enter Statements:

select * from campaign2974

Execute   Clear

select * from campaign2974

CAMPAIGNCODE	CAMPAIGNTITLE
1	Campaign One
2	Campaign Two
3	Campaign Three

OK. 3 rows selected.

select * from campaign2974

Feenix Student Environment

Enter Statements:

describe player2974

[Execute] [Clear]

SELECT COLUMN_NAME, NULLABLE, DATA_TYPE FR(

COLUMN_NAME	NULLABLE	DATA_TYPE
PID	N	NUMBER
PNAME	Y	VARCHAR2
GENDER	Y	VARCHAR2
CAMPAIGNCODE	Y	VARCHAR2

OK, 4 rows selected

Enter Statements:

select * from player2974

Execute Clear

select * from player2974

PID	PNAME	GENDER	CAMPAIGNCODE
21	Ali Aien	M	2
22	Peter Ymer	M	1
23	Sarah Rogers	F	1
24	Sheelan Aien	F	2
25	Hai Hoang Le	M	3
26	Emma Watson	F	3

Pass 4e

Paste your screen capture(s) for this task here.

Feenix Student Environment

Enter Statements: INSERT INTO Campaign2974 (campaigncode, campaigntitle) VALUES (1, 'Campaign Four');

Execute Clear

INSERT INTO Campaign2974 (campaigncode, campaigntitle) VALUES (1, 'Campaign Four')
*

Error at line 1:
ORA-00001: unique constraint (S103542974.SYS_C00953677) violated

This state is fail because the values is being inserted and exists in the tables and violates the constraint.

This Insert statement will cause error because it create a campaign code 4 which is non-existent in the Campaign2974 which is the parent record.

Pass 4f

Paste your screen capture(s) for this task here.

Feenix Student Environment

| Enter Statements: | SELECT p.pname, c.campaigntitle
FROM Player2974 p
JOIN Campaign2974 c ON p.campaigncode = c.campaigncode; |

Execute Clear

SELECT p.pname, c.campaigntitle FROM Player2974 p JOIN Campaign2974 c ON p.camp c.campaigncode

PNAME	CAMPAIGNTITLE
Ali Aien	Campaign Two
Peter Ymer	Campaign One
Sarah Rogers	Campaign One
Sheelan Aien	Campaign Two
Hai Hoang Le	Campaign Three
Emma Watson	Campaign Three

OK. 6 rows selected.

Pass 4g

Paste your screen capture(s) for this task here.

Enter
Statements:

SELECT COUNT(*) FROM Player2974;

Execute   Clear

SELECT COUNT(*) FROM Player2974

COUNT(*)
6

OK. 1 rows selected.

Enter
Statements:

```
SELECT campaigncode, COUNT(*) as row_count
FROM Player2974
GROUP BY campaigncode;
```

Execute   Clear

SELECT campaigncode, COUNT(*) as row_count FROM Player2974 GROUP B

CAMPAIGNCODE	ROW_COUNT
1	2
3	2
2	2

OK. 3 rows selected.

Pass 4h

Paste your screen capture(s) for this task here.

Field:	birthcountry		Count: birthcountry	
Table:	a		a	
Total:	Group By		Count	
Sort:				
Show:	☑		☑	
Criteria:				
or:				

Zoom

```
SELECT a.birthcountry, COUNT(a.birthcountry) as Count
From Actor2974 a
Group by a.birthcountry;
```

T4PI_2974 ✕
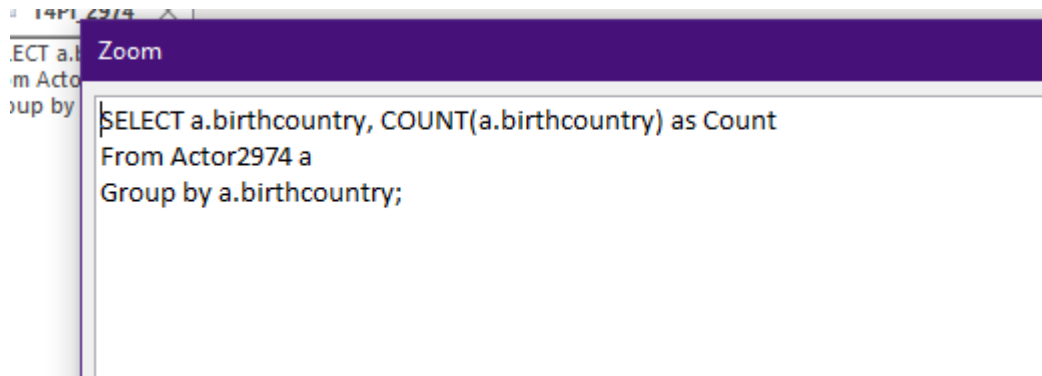
birthcountry ▾	Count ▾
Australia	3
Belgium	1
Benin	1
Brazil	1
Canada	23
China	1
Colombia	1
Croatia	1
Cuba	1
Denmark	1

Pass 4i

Paste your screen capture(s) for this task here.

Zoom

```
SELECT m.*
FROM movie2974 AS m
WHERE (((m.runtime)>130) AND ((m.RATINGCODE)='M'))
ORDER BY m.title;
```
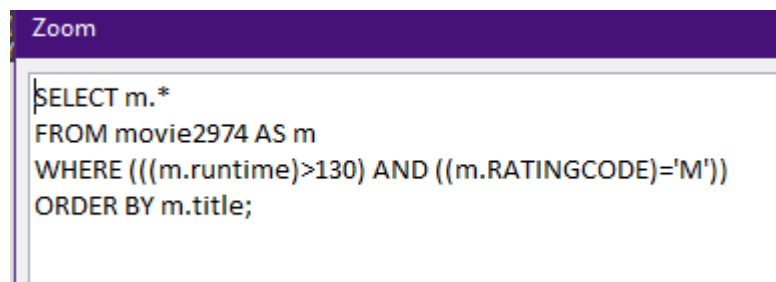
	m.*	title	runtime	RATINGCODE	
Field:	m.*	title	runtime	RATINGCODE	
Table:	m	m	m	m	
Sort:		Ascending			
Show:	☑	☐	☐	☐	
Criteria:			>130	'M'	
or:					

MOVIENO	TITLE	RELYEAR	RUNTIME	RATINGCODE	COLOUR	TMDB_SCORE	TMDB_VOTES	IMDB_ID
881	A Few Good Men	1992	138 M		C	7.3	1483	tt0104257
332562	A Star Is Born	2018	135 M		C	7.4	3360	tt1517451
168672	American Hustle	2013	138 M		C	6.8	4203	tt1800241
190859	American Sniper	2014	133 M		C	7.4	7091	tt2179136
13448	Angels & Demons	2009	138 M		C	6.6	3603	tt0808151
95	Armageddon	1998	151 M		C	6.6	3988	tt0120591
19995	Avatar	2009	162 M		C	7.4	17587	tt0499549
99861	Avengers: Age of Ultron	2015	141 M		C	7.3	11995	tt2395427
299536	Avengers: Infinity War	2018	149 M		C	8.3	11245	tt4154756
272	Batman Begins	2005	140 M		C	7.6	11382	tt0372784

Pass 4j

Paste your screen capture(s) for this task here.

ERD:
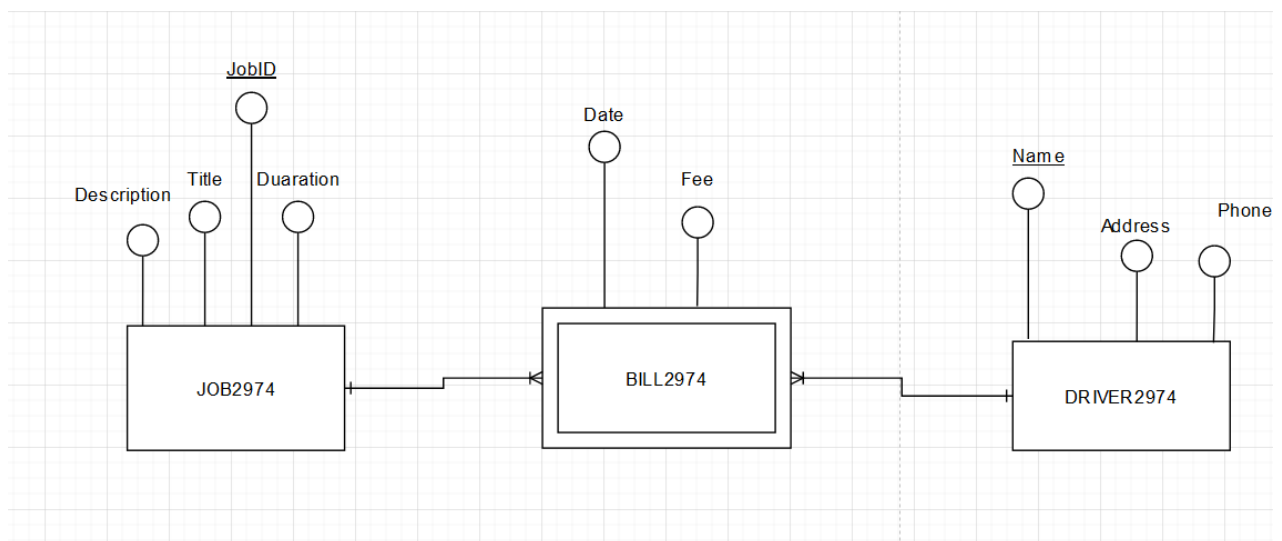
Relational Schema:

JOB2974 (JobID, Title, Description, Duaration)

PK (JobID)

DRIVER2974 (Name, Address, Phone)

PK (Name)

BILL2974 (Date, Fee, JobID, Name)

PK (JobID, Name)

FK1 (JobID) references JOB (JobID)

FK2 (Name) references DRIVER (Name)

Test Data:

INSERT INTO JOB2974 (JobID, Title, Description, Duaration)
VALUES (50, 'Deliver', 'Pizza', 1);

INSERT INTO JOB2974 (JobID, Title, Description, Duaration)
VALUES (51, 'Deliver', 'Sandwich', 2);

INSERT INTO DRIVER2974 (Name, Address, Phone)
VALUES ('Hai Le', 'Cong Hoa Street', '0702917344');

INSERT INTO DRIVER2974 (Name, Address, Phone)
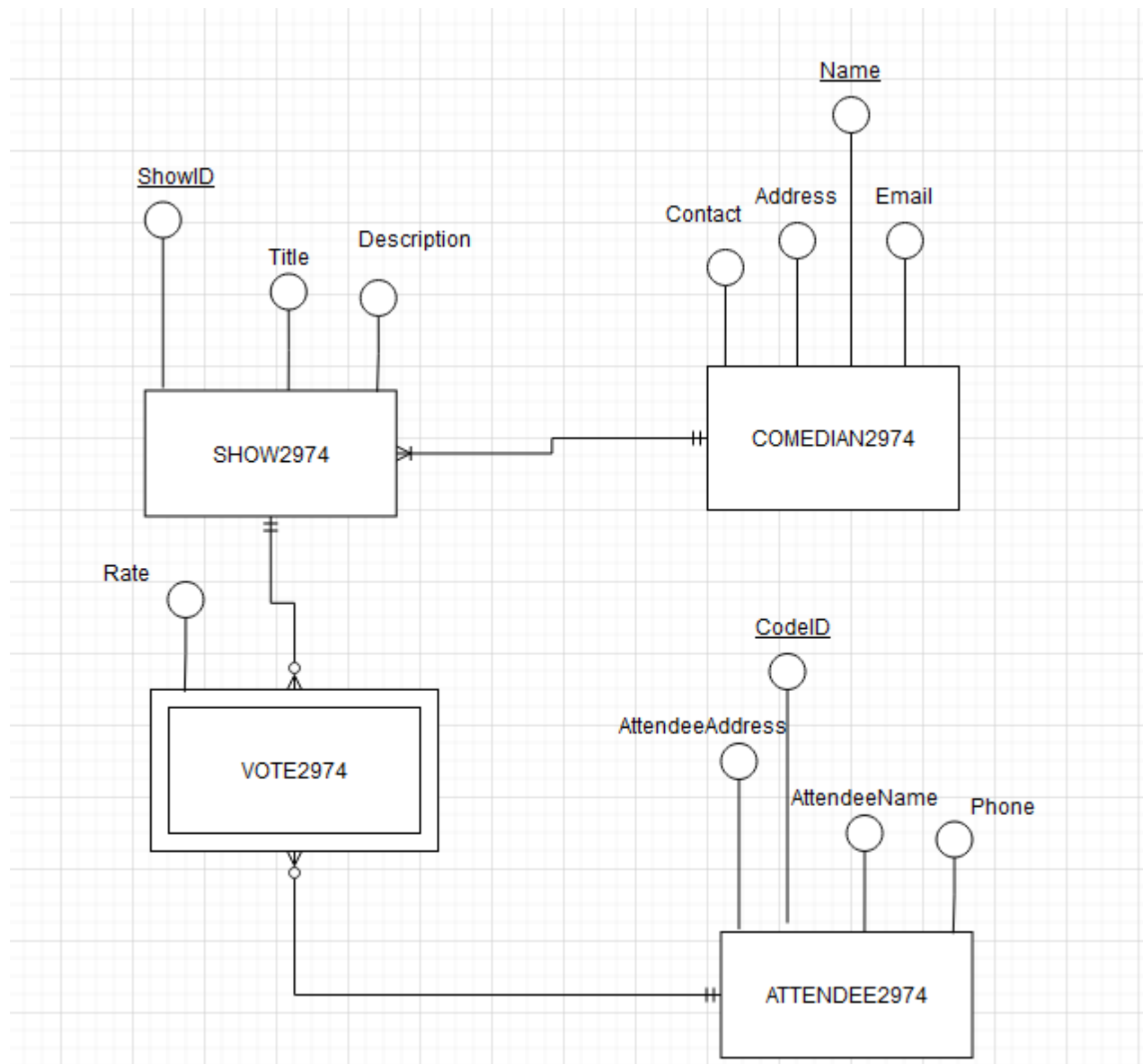VALUES ('Tuan Minh', 'Le Loi Street', '123456788');

INSERT INTO BILL2974 (Date, Fee, JobID, Name)
VALUES ('2023-03-21', 100.00, 50, 'Hai Le');

INSERT INTO BILL2974 (Date, Fee, JobID, Name)
VALUES ('2022-03-15', 200.00, 51, 'Tuan MInh');

Pass 4k

Paste your screen capture(s) for this task here.

ERD:

Relational Schema:

COMEDIAN2974 (Name, Contact, Address, Email)

PK (Name)

SHOW2974 (ShowID, Title, Description, Name)

PK (ShowID)

FK (Name) referencse COMEDIAN2974 (Name)

ATTENDEE2974 (CodeID, AttendeeName, AttendeeAdress, Phone)

PK (CodeID)

VOTE2974 (Rate, CodeID, ShowID)

PK (CodeID, ShowID)

FK1 (CodeID) references ATTENDEE2974(CodeID)

FK2 (ShowID) references SHOW2974(ShowID)

Test Data:

INSERT INTO COMEDIAN2974 (Name, Contact, Address, Email)
VALUES ('Hai Le', '0702917344', '123 Cong Hoa Street', 'hai28022002@gmail.com');

INSERT INTO COMEDIAN2974 (Name, Contact, Address, Email)
VALUES ('Quoc Huy', '0702873562', '128 Xo Viet Nghe Tinh Street', 'wochuyhaha@huhu.com');

INSERT INTO ATTENDEE2974 (CodeID, AttendeeName, AttendeeAdress, Phone)
VALUES ('A001', 'Trung Pham', '789 Bach Dang St', '232323132');

INSERT INTO ATTENDEE2974 (CodeID, AttendeeName, AttendeeAdress, Phone)
VALUES ('A002', 'Thanh Dat', '23 Dia Nguc St', '666666666');

INSERT INTO SHOW2974 (ShowID, Title, Description, Name)
VALUES (123, 'Sketch Comedy', 'Hilarious sketches with Hai Le ', 'Hai Le');

INSERT INTO SHOW2974 (ShowID, Title, Description, Name)
VALUES (321, 'Stand-up Comedy', 'A night of laughs with Woc Huy', 'Woc Huy');

INSERT INTO VOTE2974 (Rate, CodeID, ShowID)
VALUES (8, 'A001', 123);

INSERT INTO VOTE2974 (Rate, CodeID, ShowID)
VALUES (7, 'A002', 321);