

CPSC 304 Project Cover Page

Milestone #: 0

Date: Jan 18

Group Number: 18

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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

Project description:

Our website allows staff to add a new movie to our current movie list, so people can see what do we have in the movie list. Also, staff can remove the movie from the list. Once Users change their information, they can also update it. Users can search movies in our list by type and language, or they can use the checkbox we provided on the website. Users can input the year to find the corresponding movie name, product information, price, and theatre location. There is a button on our website to see the name of the movie that played at all theatres. We provide the different functions to let the user choose, once they select the function, it will show the corresponding info about the director and box office.

Users can also input the box office to find the director that has at least that much the box office. There is other option for the users to choose to see the rating for the directors.

Github: https://github.students.cs.ubc.ca/CPSC304-2020W-T2/CPSC304Project_project_a7u2b_h0m3b_w9y1b.git

Relational schema (different from M2):

Customer_Representitive_1 (Staff_ID: Integer(10), Email: VarChar(20), **Phone_num**: Integer(10))

Candidate key: Staff_ID, Email

Customer_Representitive_2 (Name: Varchar(20), Phone_num: Integer(10))

Explanation: After normalization, the phone_num of CP2 should be the reference of the phone_num of CP1 to make table consistent and lossless normalization.

Candidate key: Phone_num Movie_1(ID: Integer(10), **Name**: VarChar(20), **Director**: VarChar(10) Year: Integer(4))

Candidate key: ID

Movie_2(Name: VarChar(20), Type: VarChar(15), Director: VarChar(10), Language: VarChar(10))

Candidate key: (Name, Director)

Explanation: After normalization, the Name and Director of Movie_2 should be the reference of the Name and Director of Movie_1 to make table consistent and lossless normalization.

Screenshot:

Insert query:

Add Movie to your movies list

Name:

Type:

Director:

Language:

Show all the Movies in List

The movies in your list:

Name	Type	Director	Language
ABadDay	RomanticFilm	Bob	French
AWonderfulDay	RomanticFilm	Bob	English
DaybyDay	RomanticFilm	Bob	English
Dream	AdventureFilm	Jim	French
éon	RomanticFilm	David	French
FutureFireWorld	AdventureFilm	Micheal	English
FutureWaterWorld	AdventureFilm	Micheal	English
FutureWorld	ActionFilm	Micheal	English
Hunter	ActionFilm	Micheal	English
IronMan	ActionFilm	Kim	English
IronWoman	ActionFilm	Kim	English
Léo	RomanticFilm	David	French
Léon	RomanticFilm	David	French
Man	ActionFilm	Kim	English
Manchester	RomanticFilm	Jeff	English
ManchesterByTheSea	RomanticFilm	Jeff	English
Mom'sComing	ComedyFilm	Lebron	Chinese
Monkey	ComedyFilm	Leb	Chinese
Monkey'sComing	ComedyFilm	Lebron	Chinese
Monster	ActionFilm	Samii	English
MonsterHunter	ActionFilm	Sam	English
RunningChild	ComedyFilm	Justin	Korean
RunningMan	ComedyFilm	Justin	Korean
RunningWomen	RomanticFilm	Justin	Korean
Sophia'sDream	RomanticFilm	Jim	French
TheSea	ComedyFilm	Jeffre	English
Tom	ComedyFilm	Zacob	Japanese
TomAndJeffery	ComedyFilm	Zac	Japanese
TomAndJerry	ComedyFilm	Zac	Japanese
Victoria'sDream	RomanticFilm	Jim	French
WaterWorld	AdventureFilm	Sam	English

Show all the Movies in List

The movies in your list:

Name	Type	Director	Language
ABadDay	RomanticFilm	Bob	French
ABadDay3	RomanticFilm	Bob	French
AWonderfulDay	RomanticFilm	Bob	English
DaybyDay	RomanticFilm	Bob	English
Dream	AdventureFilm	Jim	French
éon	RomanticFilm	David	French
FutureFireWorld	AdventureFilm	Micheal	English
FutureWaterWorld	AdventureFilm	Micheal	English
FutureWorld	ActionFilm	Micheal	English
Hunter	ActionFilm	Micheal	English
IronMan	ActionFilm	Kim	English
IronWoman	ActionFilm	Kim	English
Léo	RomanticFilm	David	French
Léon	RomanticFilm	David	French
Man	ActionFilm	Kim	English
Manchester	RomanticFilm	Jeff	English
ManchesterByTheSea	RomanticFilm	Jeff	English
Mom'sComing	ComedyFilm	Lebron	Chinese
Monkey	ComedyFilm	Leb	Chinese
Monkey'sComing	ComedyFilm	Lebron	Chinese
Monster	ActionFilm	Samii	English
MonsterHunter	ActionFilm	Sam	English
RunningChild	ComedyFilm	Justin	Korean
RunningMan	ComedyFilm	Justin	Korean
RunningWomen	RomanticFilm	Justin	Korean
Sophia'sDream	RomanticFilm	Jim	French
TheSea	ComedyFilm	Jeffre	English
Tom	ComedyFilm	Zacob	Japanese
TomAndJeffery	ComedyFilm	Zac	Japanese
TomAndJerry	ComedyFilm	Zac	Japanese
Victoria'sDream	RomanticFilm	Jim	French
WaterWorld	AdventureFilm	Sam	English

Delete Query:

Delete Movie from your movies list

Name:

Director:

https://www.students.cs.ubc.ca/...
students.cs.ubc.ca/~rzhong01/handlerdelets.php?countTupleRequest1=&AllTuples-Submit

Show all the Movies in List

Submit

The movies in your list:

Name	Type	Director	Language
ABadDay	RomanticFilm	Bob	French
AWeekofFullDay	RomanticFilm	Bob	English
DaybyDay	RomanticFilm	Bob	English
Dream	AdventureFilm	Jan	French
One	RomanticFilm	David	French
FutureFreeWorld	AdventureFilm	Michael	English
FutureWaterWorld	AdventureFilm	Michael	English
FutureWorld	ActionFilm	Michael	English
Hunter	ActionFilm	Michael	English
IronMan	ActionFilm	Kim	English
IronWoman	ActionFilm	Kim	English
Leo	RomanticFilm	David	French
Leon	RomanticFilm	David	French
Man	ActionFilm	Kim	English
Manchester	RomanticFilm	Jeff	English
ManchesterbyTheSea	RomanticFilm	Jeff	English
Mon'sComing	ComedyFilm	Lebron	Chinese
Monkey	ComedyFilm	Leb	Chinese
Monkey'sComing	ComedyFilm	Lebron	Chinese
Monster	ActionFilm	Sami	English
MonsterHunter	ActionFilm	Sami	English
RunningChild	ComedyFilm	Justin	Korean
RunningMan	ComedyFilm	Justin	Korean
RunningWoman	RomanticFilm	Justin	Korean
Sogial'sOcean	RomanticFilm	Jan	French
TheSea	ComedyFilm	Jeffre	English
Toni	ComedyFilm	Zacob	Japanese
TomAndJeffery	ComedyFilm	Zac	Japanese
Victoria'sSecret	RomanticFilm	Jim	French
WaterWorld	AdventureFilm	Sam	English

Update Query:

Search by Your Own Customer ID, Update Information

Your Customer's ID:

CustomerEmail:

CustomerPhone:

CustomerName:

Update

Show all the Customers in List

Submit

The Customers in our list:

ID	Email	Staff_ID	Phone_num	Name
1	c1@gmail.com	1	778456362	James
2	c2@gmail.com	2	778644915	Chole
3	c3@gmail.com	3	778433631	Fandy
4	c4@gmail.com	4	778944561	Kevin
5	c5@gmail.com	5	778634635	Delvin
6	c6@gmail.com	5	778635414	Dustin
7	c7@gmail.com	1	778963514	Daniel
8	c8@gmail.com	2	778123635	Jermise
9	c9@gmail.com	3	778534651	Jimmy
10	c10@gmail.com	4	778887635	Chole
11	c11@gmail.com	3	772384832	Gary
12	c12@gmail.com	1	778832932	Wendy
13	c13@gmail.com	5	828382432	Suffee
14	c14@gmail.com	2	827874432	Arai
15	c15@gmail.com	3	827827232	Huky

Show all the Customers in List

Submit

The Customers in our list:

ID	Email	Staff_ID	Phone_num	Name
1	c1@gmail.com	1	778456362	James
2	c2@gmail.com	2	778644915	Chole
3	cccd3@gmail.com	3	987433631	Xin
4	c4@gmail.com	4	778944561	Kevin
5	c5@gmail.com	5	778634635	Delvin
6	c6@gmail.com	5	778635414	Dustin
7	c7@gmail.com	1	778963514	Daniel
8	c8@gmail.com	2	778123635	Jermise
9	c9@gmail.com	3	778534651	Jimmy
10	c10@gmail.com	4	778887635	Chole
11	c11@gmail.com	3	772384832	Gary
12	c12@gmail.com	1	778832932	Wendy
13	c13@gmail.com	5	828382432	Suffee
14	c14@gmail.com	2	827874432	Arai
15	c15@gmail.com	3	827827232	Huky

Selection Query:

Choose the Movie you wanna watch (Type & Language)

Romantic Language: English

Choose Movie

Show the chosen Movies

The movies in your list:

Name	Type	Director	Language
AWonderfulDay	RomanticFilm	Bob	English
DaybyDay	RomanticFilm	Bob	English
Manchester	RomanticFilm	Jeff	English
ManchesterByTheSea	RomanticFilm	Jeff	English

Projection Query:

Choose what you want to see in Our movie list

☒ Name
☐ Type
☒ Director
☐ Language
Submit

In the list:

ABadDay	Bob
AWonderfulDay	Bob
DaybyDay	Bob
Dream	Jim
éon	David
FutureFireWorld	Micheal
FutureWaterWorld	Micheal
FutureWorld	Micheal
Hunter	Micheal
IronMan	Kim
IronWoman	Kim
Léo	David
Léon	David
Man	Kim
Manchester	Jeff
ManchesterByTheSea	Jeff
Mom'sComing	Lebron
Monkey	Leb
Monkey'sComing	Lebron
Monster	Samii
MonsterHunter	Sam
RunningChild	Justin
RunningMan	Justin
RunningWomen	Justin
Sophia'sDream	Jim
TheSea	Jeffre
Tom	Zacob
TomAndJeffery	Zac
TomAndJerry	Zac
Victoria'sDream	Jim
WaterWorld	Sam

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Division Query:

Find the name of movie that are played at all theatre

Check

ManchesterByTheSea

FutureWaterWorld

TheSea

Monster

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Join Query:

Find the Corresponding Movie Name, product Info, Price and Theatre Location with the input year

Input Year that after: 2000

Submit

Name	Year	ProductID	Price	Location	Theatre Name
RunningMan	2019	7	80	1032 Champlain St	Champlain Theatre
Victoria'sDream	2011	8	80	1928 Steve St	Shelton Theatre
Monkey'sComing	2016	9	150	1545 Melform Rd	Champlain Theatre
IronMan	2019	10	400	1211 New York St	Ocean Theatre
Léo	2001	12	200	2333 Robinson Rd	Ocean Theatre
FutureWorld	2020	13	150	1545 Melform Rd	Champlain Theatre
Tom	2010	14	16	1928 Steve St	Shelton Theatre
Monster	2002	15	200	1211 New York St	Ocean Theatre

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Group-by Query:

Find the box office for all director in our list

average ▾

Submit

Director	Box_office
Bob	325022200.0000
David	1102402500.0000
Jeff	500090000.0000
Jim	430501255.0000
Justin	235185760.0000
Kim	622925000.0000
Leb	278900000.0000
Lebron	571820000.0000
Micheal	300126650.0000
Sam	300513750.0000
Zac	200263440.0000

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Having Query:

Find the director that has more than the box office of your input number

Box_office:

Submit

Director	Box_office
Jeff	500000000
Jim	300002510
Kim	500250000
Lebron	571820000
Micheal	300000000
Sam	300000000

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Nested Query:

Select the type of rating to find the Rating for movie that after year 2000 and its director, for each director have at least 2 movie of any year

average ▼ Submit

Director Rating

David 8.0000

Micheal 9.0000

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