

INF10002 Database Analysis and Design

Task 1 – Pass submission

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Step 1

Advantages that a query design method has over using a datasheet view combined with filters:

- View the fields that you are interested in without being distracted with other data fields.
- A query lets you view data from multiple tables (sources) while a datasheet view only displays the data that 1 table store at a time.
- The use of expressions like fields, relationships, etc.
- High speed search in comparison to looking up data manually.
- Searches can be repeated multiple times.
- A new query can use an existing query as its source.

Step 2

T1PB_8117

MOVIE8117

*

MOVIE8117

TITLE

RELYEAR

RUNTIME

RATINGCODE

Field:

Table:

Sort:

Show:

Criteria:

or:

MOVIE8117

MOVIE8117

MOVIE8117

MOVIE8117

2010

MOVIE8117

T1PB_8117

MOVIE8117

TITLE

RELYEAR

RUNTIME

44214

Black Swan

2010

108

44147

Wild Target

2010

98

43347

Love & Other Drugs

2010

112

38778

Dinner for Schmucks

2010

114

37799

The Social Network

2010

121

34544

The A-Team

2010

117

32856

Valentine's Day

2010

125

27578

The Expendables

2010

103

27205

Inception

2010

148

22538

Scott Pilgrim vs. the World

2010

112

12444

Harry Potter and the Deathly Hallows: Part 1

2010

146

10193

Toy Story 3

2010

103

10138

Iron Man 2

2010

124

*

Step 3

T1PB_8117

T1PC_8117

MOVIE8117

MOVIE8117

MOVIE8117

TITLE

RELYEAR

RUNTIME

RATINGCODE

Field: MOVIE8117

Table: MOVIE8117

Sort: Ascending

Show: ☒

Criteria: ☒

or: ☐

TITLE

MOVIE8117

RATINGCODE

MOVIE8117

RELYEAR

MOVIE8117

RUNTIME

MOVIE8117

TMDB_SCORE

MOVIE8117

"G" Or "PG"

>=2000 And <=2010

<115

>=6

MOVIE8117

T1PB_8117

T1PC_8117

MOVIE8117

TITLE

RATINGCODE

RELYEAR

RUNTIME

TMDB_SCORE

585

Monsters, Inc.

G

2001

92

7.7

773

Little Miss Sunshine

PG

2006

102

7.6

1584

School of Rock

PG

2003

110

6.9

1593

Night at the Museum

PG

2006

108

6.5

7326

Juno

PG

2007

96

7

7552

Fun with Dick and Jane

PG

2005

90

6

9472

DodgeBall: A True Underdog Story

PG

2004

92

6.2

9486

Johnny English

PG

2003

88

6.2

9502

Kung Fu Panda

PG

2008

90

7

9778

Serendipity

PG

2001

90

6.8

9836

Happy Feet

G

2006

108

6

9928

Robots

PG

2005

91

6.2

10193

Toy Story 3

G

2010

103

7.7

10330

Freaky Friday

PG

2003

97

6.2

10625

Mean Girls

PG

2004

97

7.1

11631

Mamma Mia!

PG

2008

108

6.9

11665

Get Smart

PG

2008

110

6.1

11774

Lemony Snicket's A Series of Unfortunate Events

PG

2004

108

6.8

22538

Scott Pilgrim vs. the World

PG

2010

112

7.3

*

Step 4

T1PD_8117

MOVIE8117

*

MOVIE8117

TITLE

RELYEAR

RUNTIME

RATINGCODE

Field:	MOVIE8117	TITLE	TMDB_VOTES
Table:	MOVIE8117	MOVIE8117	MOVIE8117
Sort:			
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:	Like "*man*"	<6000	
or:	Like "*boy*"	<6000	
	Like "*miss*"	<6000	
	Like "*girl*"	<6000	
	Like "*ms*"	<6000	

T1PD_8117

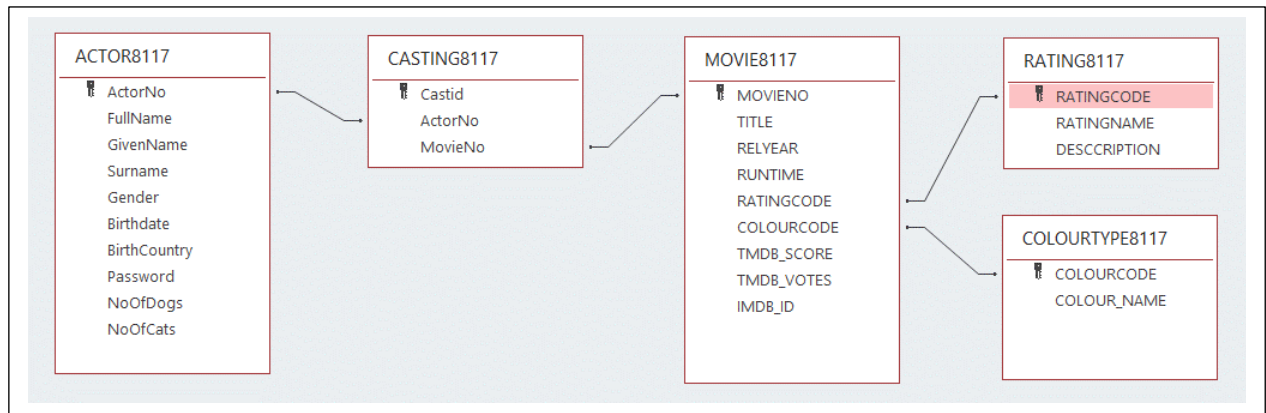
MOVIE8117	TITLE	TMDB_VOTES
114	Pretty Woman	3381
245	About a Boy	1084
268	Batman	3507
314	Catwoman	1570
403	Driving Miss Daisy	588
414	Batman Forever	2551
415	Batman & Robin	2465
773	Little Miss Sunshine	3194
804	Roman Holiday	848
816	Austin Powers: International Man of Mystery	1613
1493	Miss Congeniality	1776
2067	Mission to Mars	601
8699	Anchorman: The Legend of Ron Burgundy	2214
8844	Jumanji	2361
8963	Crimson Tide	759
10625	Mean Girls	4373
56292	Mission: Impossible - Ghost Protocol	5756
58595	Snow White and the Huntsman	4933
65754	The Girl with the Dragon Tattoo	3707
85350	Boyhood	2899
203801	The Man from U.N.C.L.E.	3351
209112	Batman v Superman: Dawn of Justice	2822
297802	Aquaman	3416
346685	The Girl on the Train	3234
353486	Jumanji: Welcome to the Jungle	5597
398978	The Irishman	452
512200	Jumanji: The Next Level	1671

Step 5

Field Name						Data Type					
Membid						Number					
Surname						Short Text					
Givenname						Short Text					
Birthdate						Date/Time					

Membid						Surname					
Givenname						Birthdate					
Click to Add											
1	Bloggs	Fred	6/5/1997								
2	Sue	Davies	4/13/2001								
3	Emma	Pitt	8/23/1992								
4	Jackson	Micheal	8/29/1958								
103488117	Luong Trac Duc	Anh	12/18/2003								
0											

Step 6



Step 7

T1PG_8117

RATING_8117

RATINGCODE

RATINGNAME

DESCRIPTION

COLOURTYPE_8117

COLOURCODE

COLOUR_NAME

MOVIE_8117

MOVIEENO

TITLE

RELYEAR

RUNTIME

RATINGCODE

Field:

Table:

Sort:

Show:

Criteria:

or:

MOVIEENO

MOVIE_8117

Ascending

☒

Like "F"

☒

☒

☒

☒

MOVIEENO	TITLE	RATINGCODE	DESCRIPTION	COLOUR_NAME
18	Forrest Gump	PG	Recommended for mature audiences 15 years and over	Colour movie
275	Fargo	MA	Parental guidance recommended for persons under 15 years	Colour movie
550	Fight Club	MA	Parental guidance recommended for persons under 15 years	Colour movie
712	Four Weddings and a Funeral	M	Persons under 15 years must be accompanied by a mature adult	Colour movie
1633	Fried Green Tomatoes	PG	Recommended for mature audiences 15 years and over	Colour movie
7552	Fun with Dick and Jane	PG	Recommended for mature audiences 15 years and over	Colour movie
9377	Ferris Bueller's Day Off	PG	Recommended for mature audiences 15 years and over	Colour movie
10330	Freaky Friday	PG	Recommended for mature audiences 15 years and over	Colour movie
16084	Freaky Friday	G	Suitable for all ages	Colour movie
50544	Friends with Benefits	M	Persons under 15 years must be accompanied by a mature adult	Colour movie
87492	Foxcatcher	M	Persons under 15 years must be accompanied by a mature adult	Colour movie
109445	Frozen	G	Suitable for all ages	Colour movie
127380	Finding Dory	G	Suitable for all ages	Colour movie
216015	Fifty Shades of Grey	MA	Parental guidance recommended for persons under 15 years	Colour movie
330457	Frozen II	PG	Recommended for mature audiences 15 years and over	Colour movie
341174	Fifty Shades Darker	MA	Parental guidance recommended for persons under 15 years	Colour movie

Step 8

T1PG_8117

T1PH_8117

ACTOR8117

ActorNo

FullName

GivenName

Surname

Gender

CASTING8117

Castid

ActorNo

MovieNo

Field:	ActorNo	FullName	Castid
Table:	ACTOR8117	ACTOR8117	CASTING8117
Total:	Group By	Group By	Count
Sort:			Descending
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:			
or:			

T1PG_8117

T1PH_8117

ActorNo	FullName	CountOfCast
7624	Stan Lee	19
51329	Bradley Cooper	15
2231	Samuel L. Jackson	14
1892	Matt Damon	13
1283	Helena Bonham Carter	13
3895	Michael Caine	13
192	Morgan Freeman	12
1331	Hugo Weaving	12
477	Julie Walters	12
62	Bruce Willis	12
287	Brad Pitt	12
9281	Elizabeth Banks	12
1532	Bill Murray	12
70851	Jack Black	11
31	Tom Hanks	11
1245	Scarlett Johansson	11
4495	Steve Carell	11
74568	Chris Hemsworth	11
7399	Ben Stiller	10
4566	Alan Rickman	10
3223	Robert Downey Jr.	10
23659	Will Ferrell	10
1813	Anne Hathaway	10
1896	Don Cheadle	10
1923	Robbie Coltrane	10
112	Cate Blanchett	9
11180	David Bradley	9
2283	Stanley Tucci	9
884	Steve Buscemi	9
Total		821

Step 9

T1Pi_8117

ACTOR8117

*

ActorNo

FullName

GivenName

Surname

Gender

Field:	Gender	Gender
Table:	ACTOR8117	ACTOR8117
Total:	Group By	Count
Sort:		
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:		
or:		

T1Pi_8117

Gender	CountOfGenc
F	224
M	601

Step 10

Field Name		Data Type
ActorNo		Number
FullName		Short Text
GivenName		Short Text
Surname		Short Text
Gender		Short Text
BirtheDate		Date/Time
BirthCountry		Short Text
Password		Short Text
NoOfDogs		Number
NoOfCats		Number

General		Lookup
Field Size	255	
Format		
Input Mask		
Caption		
Default Value		
Validation Rule		
Validation Text		
Required	No	
Allow Zero Length	Yes	
Indexed	Yes (Duplicates OK)	
Unicode Compression	Yes	
IME Mode	No Control	
IME Sentence Mode	None	
Text Align	General	

Step 11

ACTOR8117	MOVIE_8117	CASTING8117	T1PZ_8117						
Castid	MOVIEID	TITLE	RELYEAR	RATINGCODE	ActorNo	FullName	Birthdate	BirthCountry	
3323	1234567	All the Bright Places	2020	PG	103488117	Luong Trac Duc Anh	12/18/2003	Vietnam	
3324	1234567	All the Bright Places	2020	PG	2216110	Jonathan Groff	3/26/1985	USA	
3325	1234567	All the Bright Places	2020	PG	2046029	Juliet Blacher	9/3/1995	USA	
*	(New)								