INF10002 Database Analysis and Design

Task 1 – Pass submission
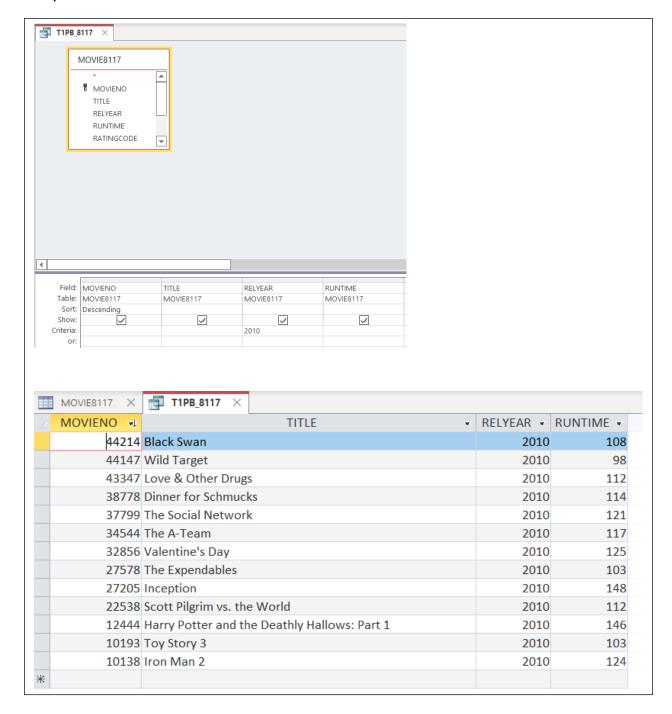
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Step 1

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

MOVIENO	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

Field:	MOVIENO	TITLE	RATINGCODE	RELYEAR	RUNTIME	TMDB_SCORE
Table:	MOVIE8117	MOVIE8117	MOVIE8117	MOVIE8117	MOVIE8117	MOVIE8117
Sort:	Ascending					
Show:	☑	☑	☑	☑	☑	☑
Criteria:			"G" Or "PG"	>=2000 And <=2010	<115	>=6
or:						

MOVIENO	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

Field:	MOVIENO	TITLE	TMDB_VOTES
Table:	MOVIE8117	MOVIE8117	MOVIE8117
Sort:			
Show:	☑	☑	☑
Criteria:		Like "*man*"	<6000
or:		Like "*boy*"	<6000
		Like "*miss*"	<6000
		Like "*girl*"	<6000
		Like "*ms*"	<6000

MOVIENO	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

ACTOR8117
🔑 ActorNo
FullName
GivenName
Surname
Gender
Birthdate
BirthCountry
Password
NoOfDogs
NoOfCats

CASTING8117
🔑 Castid
ActorNo
MovieNo

MOVIE8117
🔑 MOVIENO
TITLE
RELYEAR
RUNTIME
RATINGCODE
COLOURCODE
TMDB_SCORE
TMDB_VOTES
IMDB_ID

RATING8117
🔑 RATINGCODE
RATINGNAME
DESCCRIPTION

COLOURTYPE8117
🔑 COLOURCODE
COLOUR_NAME

Step 7

The query design view shows tables RATING_8117, COLOURTYPE_8117, and MOVIE_8117 with the following fields:

	MOVIENO	TITLE	RATINGCODE	DESCCRIPTION	COLOUR_NAME
Field:	MOVIENO	TITLE	RATINGCODE	DESCCRIPTION	COLOUR_NAME
Table:	MOVIE_8117	MOVIE_8117	MOVIE_8117	RATING_8117	COLOURTYPE_8117
Sort:	Ascending				
Show:	✓	✓	✓	✓	✓
Criteria:		Like "F*"			
or:					

MOVIENO	TITLE	RATINGCODE	DESCCRIPTION	COLOUR_NAME
13	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

Step 9

Step 10

Step 11

Castid	MOVIENO	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)								