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Database Management Demonstration

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To track my movie collection, I decided to create a database using Microsoft Access. For my purposes, I created tables listing out actor names, movie titles, genres, personal ratings, and storage mediums. The data for each of these tables was entered and edited over a two-week period as free time allowed.

All Access Objects		
Search...		
Tables		
Actor List		
Genre List		
Movie List		
My Rating List		
Storage List		
Queries		
Find Duplicate Actor Entries		
Show Movie Count By Genre		
Show Movies By Actor Name		
Forms		
Movie Entry Form		

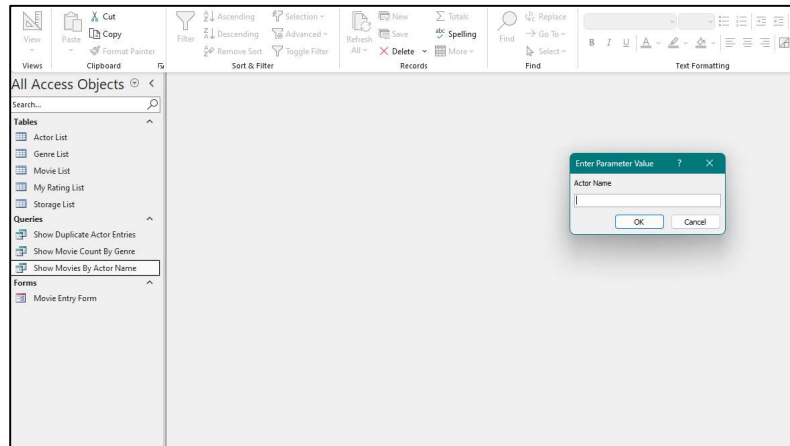
ID	Actors	Click to Add
746	Peter Shinkoda	
747	Michelle Ferre	
748	David Leong Fie	
750	James Dean	
751	James Stewart	
752	Cary Grant	
753	Gregory Peck	
754	Clark Gable	
755	Gary Cooper	
756	Burt Lancaster	
757	Gene Kelly	
758	William Holden	
759	Anthony Quinn	
760	Jack Lemmon	
761	Henry Fonda	
762	Alec Guinness	
763	Spencer Tracy	
764	Rock Hudson	
765	Frank Sinatra	
766	Elvis Presley	
767	Ginger Rogers	
768	Humphrey Bogart	
769	Ingrid Bergman	
770	Laurence Olivier	
771	James Cagney	
772	Katharine Hepburn	
773	Bette Davis	
774	Barbara Stanwyck	
775	Greta Garbo	
777	Richard Dreyfuss	
778	Meryl Streep	

To simplify the entry of new movie titles, I created a simple form that allows the user to enter the data to labeled fields. To reduce data entry errors and speed data entry, the genre and actor name tables were populated extensively so that the user simply has to use drop-down selections to make a choice.

The image shows a software form for adding a new movie. The form is set against a light teal background. On the left, there is a vertical list of labels: 'Movie Title', 'Genre', 'Storage Medium', 'My Star Rating', 'Starring 1', 'Starring 2', and 'Starring 3'. To the right of these labels are the corresponding input fields. 'Movie Title' is a text box containing 'A New Title'. 'Genre' is a dropdown menu showing 'Documentary'. 'Storage Medium' is a dropdown menu showing 'Digital File/SSD'. 'My Star Rating' is a dropdown menu showing '3'. Below these are three more dropdown menus labeled 'Starring 1', 'Starring 2', and 'Starring 3'. The 'Starring 1' dropdown is open, displaying a scrollable list of actors, each preceded by an unchecked checkbox. The actors listed are: Gary Oldman, Gaylen Ross, Geena Davis, Gene Hackman, Gene Kelly, General Narrator, Geoffrey Rush, George Clooney, George Gaynes, George Seagal, Gerard Butler, Ginger Rogers, Gong Li, Gregg Henry, Gregory Harrison, and Gregory Peck. At the bottom of the dropdown list are 'OK' and 'Cancel' buttons.

Movie Title	A New Title
Genre	Documentary
Storage Medium	Digital File/SSD
My Star Rating	3
Starring 1	<div><input type="checkbox"/> Gary Oldman</div> <div><input type="checkbox"/> Gaylen Ross</div> <div><input type="checkbox"/> Geena Davis</div> <div><input type="checkbox"/> Gene Hackman</div> <div><input type="checkbox"/> Gene Kelly</div> <div><input type="checkbox"/> General Narrator</div> <div><input type="checkbox"/> Geoffrey Rush</div> <div><input type="checkbox"/> George Clooney</div> <div><input type="checkbox"/> George Gaynes</div> <div><input type="checkbox"/> George Seagal</div> <div><input type="checkbox"/> Gerard Butler</div> <div><input type="checkbox"/> Ginger Rogers</div> <div><input type="checkbox"/> Gong Li</div> <div><input type="checkbox"/> Gregg Henry</div> <div><input type="checkbox"/> Gregory Harrison</div> <div><input type="checkbox"/> Gregory Peck</div>
Starring 2	
Starring 3	

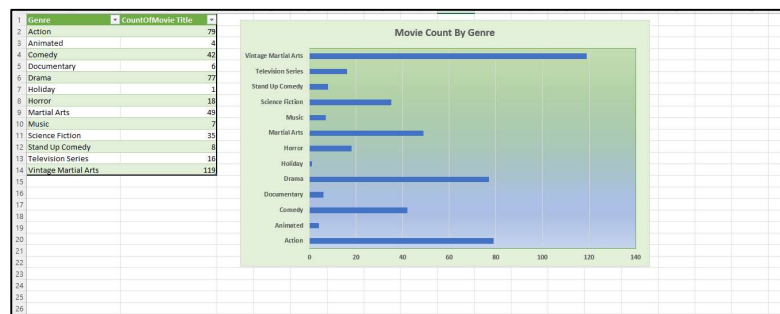
One of the first queries built for the database allows the user to enter partial or full names into a dialog box to display all titles that the actor has starred in. I thought this function would prove useful in the event that I might need to see how many titles starring a particular actor. Here, I entered “Leo” to return a list of all the movies with Leonardo DiCaprio.



Actor List. Actors	Movie List. Movie Title
Leonardo DiCaprio	Body Of Lies
Leonardo DiCaprio	The Departed
Leonardo DiCaprio	Shutter Island
Leonardo DiCaprio	The Revenant
Leonardo DiCaprio	The Wolf Of Wall Street
Leonardo DiCaprio	Catch Me If You Can
Leonardo DiCaprio	Killers Of The Flower Moon
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Another query was created to allow me to analyze the number of movies I had for particular genres. I then imported that data into a simple Excel sheet to allow for a more visually appealing representation.

Genre	CountOfMovie Title
Action	79
Animated	4
Comedy	42
Documentary	6
Drama	77
Holiday	1
Horror	18
Martial Arts	49
Music	7
Science Fiction	35
Stand Up Comedy	8
Television Series	16
Vintage Martial Arts	119



Finally, I decided to build a simple report that could be printed out for sharing with other movie collectors. I customized the report to allow for readability and to allow for titles and descriptions to fit in corresponding fields.

Movie List By Title		
Movie Title	Genre	My Star Rating
10 Magnificent Killers	Vintage Martial Arts	
18 Fatal Strikes	Vintage Martial Arts	
18 Fingers Of Death	Vintage Martial Arts	
18 Shaolin Riders	Vintage Martial Arts	
28 Days Later	Vintage Martial Arts	
36 Crazy Fists	Horror	3
5 Kung Fu Daredevil Heroes	Vintage Martial Arts	
5 Pattern Dragon Claws	Vintage Martial Arts	
7 Steps Of Kung Fu	Vintage Martial Arts	
A Hero's Tears	Vintage Martial Arts	
A Nightmare On Elm Street	Vintage Martial Arts	