Black Box Test Plan: MovieSelector program

Test Files: movies.txt, three_movies.txt

The text in bold in the **Description** column represents the test inputs to the program. You can stop program execution by pressing Ctrl+C.

Test ID	Description	Expected Results	Actual Results
testNoCommandLineA rgs Author: Dr. Balik	\$java -cp bin MovieSelector	Usage: java -cp bin MovieSelector filename	Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: Index 0 out of bounds for length 0 at MovieSelector.main(MovieSelector.java:94)
testTwoCommandLine Args Author: Dr. Balik	\$java -cp bin MovieSelector test-files/movies.txt test-files/three_movies.txt	Usage: java -cp bin MovieSelector filename	Works as normal, just with the additional movies in the list
testNonexistentFile Author: Dr. Balik	\$java -cp bin MovieSelector test-files/no_such_file.txt	Unable to access input file: test-files/no_such_file.txt	Exception in thread "main" java.lang.IllegalArgumentException: Unable to access input file: test-files/no_such_file.txt at MovieSelector.getMovieList(MovieSelector.java:22) at MovieSelector.main(MovieSelector.java:94)
testOptionMenu Author: Dr. Balik	\$ java -cp bin MovieSelector test-files/three_movies.txt (Ctrl+C to stop execution)	Movie selector - Please enter an option below. T - Search by title Y - Search by year G - Search by genre Q - Quit the program Option:	Movie selector - Please enter an option below. T - Search by title Y - Search by year G - Search by genre Q - Quit the program Option:

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testQuit	\$ java -cp bin MovieSelector test-files/movies.txt	Goodbye!	Have a good one :3 Program exits
Author: Dr. Balik	Menu is displayed	Program exits	
	Option: q		
testInvalidOption	\$java -cp bin MovieSelector test-files/movies.txt	Invalid option	Invalid option
Author: Dr. Balik	Menu is displayed		program loops
	Option: quit		
	(Ctrl+C to stop execution)		
testSearchByTitle	\$ java -cp bin MovieSelector test-files/three_movies.txt	Sleeping Beauty 1959 75 min Animation, Family, Fantasy Snow White and the Seven Dwarfs 1937 83 min	Sleeping Beauty 1959 75 min Animation, Family, Fantasy Snow White and the Seven Dwarfs 1937 83 min
Author: Dr. Balik	Menu is displayed	Snow White and the Seven Dwarfs 1937 83 min Animation, Family, Fantasy The Adventures of Pinocchio 1936 60 min Animation, Fantasy	Animation, Family, Fantasy The Adventures of Pinocchio 1936 60 min
	Option: T Title (is/contains): s	(NOTE: spacing may be slightly off)	Animation, Fantasy
	(Ctrl+C to stop execution)		
testSearchByYear	\$ java -cp bin MovieSelector	The Adventures of Pinocchio 1936 60 min Animation,Fantasy	The Adventures of Pinocchio 1936 60
Author: Dr. Balik	test-files/three_movies.txt	(NOTE: spacing may be slightly off)	min Animation, Fantasy
	Menu is displayed		
	Option: y		
	Year (1890-2020): 1936		
	(Ctrl+C to stop execution)		
testProgramRestart Author: Nicholas Loftin	java -cp bin MovieSelector test-files/three_movies.txt	java -cp bin MovieSelector test-files/three_movies.txt	java -cp bin MovieSelector test-files/three_movies.txt
Author: Nicholas Lottill	test-mes/timee_movies.txt	Menu is displayed	Menu is displayed

	Menu is displayed		
	ivienu is displayed	Option: y	Option: y
	Option: y	option, y	option y
	Year (1890-2020): 1936 Expected loop	Year (1890-2020): 1936 The Adventures of Pinocchio 1936 60 min Animation, Fantasy Menu is displayed	Year (1890-2020): 1936 The Adventures of Pinocchio 1936 60 min Animation, Fantasy Menu is displayed
testingInvalidYear	java -cp bin MovieSelector	java -cp bin MovieSelector test-files/three_movies.txt	java -cp bin MovieSelector test-files/three_movies.txt
Author: Nicholas Loftin	test-files/three_movies.txt	Java -cp bill Movieselector test-files/tiffee_filovies.txt	Java -cp bill Movieselector test-files/tillee_filovies.txt
Addition: Wellolds Lorelli		Menu is displayed	Menu is displayed
	Menu is displayed		
		Option: y	Option: y
	Option: y	Voor (1900 2020). F	Voor (1900 2020). F
	Year (1890-2020): -5	Year (1890-2020): -5	Year (1890-2020): -5
	Teal (1830-2020)3	Invalid year	Invalid year
		Program Exits	Program Exits
testingNoResults	java -cp bin MovieSelector	java -cp bin MovieSelector test-files/three_movies.txt	java -cp bin MovieSelector test-files/three_movies.txt
Author Nicholas Loftin	test-files/three_movies.txt	Manusia diaglassa d	Manusia diaglassa
	Menu is displayed	Menu is displayed Option: T	Menu is displayed Option: T
	Option: T	Title Keyword: wowowowowowowow	Title Keyword: wowowowowowowo
	Title Keyword: wowowowowowowowow	Thie Reyword. Wowowowowowowo	Title Reyword. wowowowowowowo
	, , , , , , , , , , , , , , , , , , , ,	Menu is displayed	Menu is displayed
testingUpperCaseTitle	Testing to make sure that lower case letters are not	java -cp bin MovieSelector test-files/three_movies.txt	Sleeping Beauty 1959 75 min Animation,Family,Fantasy
Author Nicholas Loftin	left out of the search if searching for upper case		Snow White and the Seven Dwarfs 1937 83 min
	letters	Menu is displayed	Animation,Family,Fantasy The Adventures of Pinocchio 1936 60 min
	(This was a problem I ran into a few times, and I think I fixed it before testing this)	Option: T	Animation, Fantasy
	think i fixed it before testing this)	Title (is/contains): S	
		The (is) contains).	
		Sleeping Beauty 1959 75 min	
		Animation,Family,Fantasy Snow White and the Seven Dwarfs 1937 83 min	
		Animation, Family, Fantasy	
		The Adventures of Pinocchio 1936 60 min Animation, Fantasy	

testingLowerCaseTitle Author Nicholas Loftin	Testing to make sure upper case letters are not left out of the search if searching with lower case letters	java -cp bin MovieSelector test-files/three_movies.txt Menu is displayed Option: T Title (is/contains): s Sleeping Beauty 1959 75 min Animation, Family, Fantasy 1937 83 min Animation, Family, Fantasy 1937 83 min Animation, Family, Fantasy 1936 60 min Animation, Fantasy	Sleeping Beauty Animation, Family, Fantasy Snow White and the Seven Dwarfs Animation, Family, Fantasy The Adventures of Pinocchio Animation, Fantasy Animation, Fantasy
testingYearBoundary Author Nicholas Loftin	Testing if the year searched is 2020 or above the movie does not exist.	java -cp bin MovieSelector test-files/three_movies.txt Menu is displayed Option: y Year (1890-2020): 2020 Invalid year Program Exits	java -cp bin MovieSelector test-files/three_movies.txt Menu is displayed Option: y Year (1890-2020): 2020 Invalid year Program Exits
testingInvalidGenre Author: Nicholas Loftin	Making sure that the genre method returns an empty string if the search turns up empty	java -cp bin MovieSelector test-files/three_movies.txt Menu is displayed Option: g Search Genre: what Menu is displayed	java -cp bin MovieSelector test-files/three_movies.txt Menu is displayed Option: g Search Genre: what Menu is displayed
testingInvalidYear Author: Nicholas Loftin	Testing to make sure search by year returns empty if there is no corresponding searches	java -cp bin MovieSelector test-files/three_movies.txt Menu is displayed Option: y Year (1890-2020): 1950 Menu is displayed	java -cp bin MovieSelector test-files/three_movies.txt Menu is displayed Option: y Year (1890-2020): 1950 Menu is displayed