

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
testNoCommandLineArgs Author: Dr. Balik	\$java -cp bin MovieSelector	Usage: java -cp bin MovieSelector filename	Usage: java -cp bin MovieSelector filename
testTwoCommandLineArgs Author: Dr. Balik	\$java -cp bin MovieSelector test-files/movies.txt test-files/three_movies.txt	Usage: java -cp bin MovieSelector filename	Usage: java -cp bin MovieSelector filename
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	Unable to access input file: test-files/no_such_file.txt
testOptionsMenu 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:

testQuit	\$ java -cp bin MovieSelector test-files/movies.txt	Goodbye!	Goodbye!
Author: Dr. Balik	Menu is displayed	Program exits	Program exits
	Option: q		
testInvalidOption	\$java -cp bin MovieSelector test-files/movies.txt	Invalid option	Invalid option
Author: Dr. Balik	Menu is displayed		
	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 Animation,Family,Fantasy The Adventures of Pinocchio 1936 60 min Animation,Fantasy	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
Author: Dr. Balik	Menu is displayed	(NOTE: spacing may be slightly off)	
	Option: T		
	Title (is/contains): s		
	(Ctrl+C to stop execution)		
testSearchByYear	\$ java -cp bin MovieSelector test-files/three_movies.txt	The Adventures of Pinocchio 1936 60 min Animation,Fantasy	The Adventures of Pinocchio 1936 60 min Animation,Fantasy
Author: Dr. Balik	Menu is displayed	(NOTE: spacing may be slightly off)	
	Option: y		
	Year (1890-2020): 1936		
	(Ctrl+C to stop execution)		
testSearchByGenre	\$ 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 Animation,Family,Fantasy The Adventures of Pinocchio 1936 60 min Animation,Fantas	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,Fantas
	Menu is displayed		
	Option: g		

	genres Genre: animation		
testYearOverMax	<pre>\$ java -cp bin MovieSelector test-files/three_movies.txt</pre> Menu is displayed Option: y Year (1890-2020): 2021	Invalid Year	Invalid Year
testYearUnderMind	<pre>\$ java -cp bin MovieSelector test-files/three_movies.txt</pre> Menu is displayed Option: y Year (1890-2020): 1889	Invalid Year	Invalid Year
testInvalidGenre	<pre>java -cp bin MovieSelector test-files/three_movies.txt</pre> Menu is displayed Option: g *genres* Genre: Fake	Invalid genre	Invalid genre
testNonIntAsYear	<pre>\$ java -cp bin MovieSelector test-files/three_movies.txt</pre> Menu is displayed Option: y	Invalid Year	Invalid Year

	Year (1890-2020): yes		
testNoTitleMatches	<div>\$ java -cp bin MovieSelector test-files/three_movies.txt</div> <div>Menu is displayed</div> <div>Option: T</div> <div>Title (is/contains): FakeMovie</div>	*Blank*	*Blank*
testNoYearMatches	<div>\$ java -cp bin MovieSelector test-files/three_movies.txt</div> <div>Menu is displayed</div> <div>Option: y</div> <div>Year (1890-2020): 2020</div>	*Blank*	*Blank*
testNoGenreMatches	<div>java -cp bin MovieSelector test-files/three_movies.txt</div> <div>Menu is displayed</div> <div>Option: g</div> <div>*genres*</div> <div>Genre: Crime</div>	*Blank	*Blank*