

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

	<p>Menu is displayed</p> <p>Option: y</p> <p>Year (1890-2020): 1936</p> <p>Expected loop</p>	<p>Option: y</p> <p>Year (1890-2020): 1936</p> <p>The Adventures of Pinocchio 1936 60 min Animation,Fantasy</p> <p>Menu is displayed</p>	<p>Option: y</p> <p>Year (1890-2020): 1936</p> <p>The Adventures of Pinocchio 1936 60 min Animation,Fantasy</p> <p>Menu is displayed</p>
<p>testingInvalidYear</p> <p>Author: Nicholas Loftin</p>	<p>java -cp bin MovieSelector test-files/three_movies.txt</p> <p>Menu is displayed</p> <p>Option: y</p> <p>Year (1890-2020): -5</p>	<p>java -cp bin MovieSelector test-files/three_movies.txt</p> <p>Menu is displayed</p> <p>Option: y</p> <p>Year (1890-2020): -5</p> <p>Invalid year</p> <p>Program Exits</p>	<p>java -cp bin MovieSelector test-files/three_movies.txt</p> <p>Menu is displayed</p> <p>Option: y</p> <p>Year (1890-2020): -5</p> <p>Invalid year</p> <p>Program Exits</p>
<p>testingNoResults</p> <p>Author Nicholas Loftin</p>	<p>java -cp bin MovieSelector test-files/three_movies.txt</p> <p>Menu is displayed</p> <p>Option: T</p> <p>Title Keyword: wowowowowoowowowow</p>	<p>java -cp bin MovieSelector test-files/three_movies.txt</p> <p>Menu is displayed</p> <p>Option: T</p> <p>Title Keyword: wowowowowoowowowow</p> <p>Menu is displayed</p>	<p>java -cp bin MovieSelector test-files/three_movies.txt</p> <p>Menu is displayed</p> <p>Option: T</p> <p>Title Keyword: wowowowowoowowowow</p> <p>Menu is displayed</p>
<p>testingUpperCaseTitle</p> <p>Author Nicholas Loftin</p>	<p>Testing to make sure that lower case letters are not left out of the search if searching for upper case letters</p> <p>(This was a problem I ran into a few times, and I think I fixed it before testing this)</p>	<p>java -cp bin MovieSelector test-files/three_movies.txt</p> <p>Menu is displayed</p> <p>Option: T</p> <p>Title (is/contains): S</p> <p>Sleeping Beauty 1959 75 min</p> <p>Animation,Family,Fantasy</p> <p>Snow White and the Seven Dwarfs 1937 83 min</p> <p>Animation,Family,Fantasy</p> <p>The Adventures of Pinocchio 1936 60 min</p> <p>Animation,Fantasy</p>	<p>Sleeping Beauty 1959 75 min</p> <p>Animation,Family,Fantasy</p> <p>Snow White and the Seven Dwarfs 1937 83 min</p> <p>Animation,Family,Fantasy</p> <p>The Adventures of Pinocchio 1936 60 min</p> <p>Animation,Fantasy</p>

testingLowerCaseTitle Author Nicholas Loftin	Testing to make sure upper case letters are not left out of the search if searching with lower case letters	<div>java -cp bin MovieSelector test-files/three_movies.txt</div> <div>Menu is displayed</div> <div>Option: T Title (is/contains): s</div> <div>Sleeping Beauty195975 min Animation,Family,Fantasy Snow White and the Seven Dwarfs193783 min Animation,Family,Fantasy The Adventures of Pinocchio193660 min Animation,Fantasy</div>	<div>Sleeping Beauty195975 min Animation,Family,Fantasy Snow White and the Seven Dwarfs193783 min Animation,Family,Fantasy The Adventures of Pinocchio193660 min Animation,Fantasy</div>
testingYearBoundary Author Nicholas Loftin	Testing if the year searched is 2020 or above the movie does not exist.	<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> <div>Invalid year Program Exits</div>	<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> <div>Invalid year Program Exits</div>
testingInvalidGenre Author: Nicholas Loftin	Making sure that the genre method returns an empty string if the search turns up empty	<div>java -cp bin MovieSelector test-files/three_movies.txt</div> <div>Menu is displayed</div> <div>Option: g Search Genre: what</div> <div>Menu is displayed</div>	<div>java -cp bin MovieSelector test-files/three_movies.txt</div> <div>Menu is displayed</div> <div>Option: g Search Genre: what</div> <div>Menu is displayed</div>
testingInvalidYear Author: Nicholas Loftin	Testing to make sure search by year returns empty if there is no corresponding searches	<div>java -cp bin MovieSelector test-files/three_movies.txt</div> <div>Menu is displayed</div> <div>Option: y</div> <div>Year (1890-2020): 1950</div> <div>Menu is displayed</div>	<div>java -cp bin MovieSelector test-files/three_movies.txt</div> <div>Menu is displayed</div> <div>Option: y</div> <div>Year (1890-2020): 1950</div> <div>Menu is displayed</div>