

System Test Plan:

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Introduction (anything that is true for all testcases and not specified in each testcase):

Test Files:

movies.txt

shortmovielist.txt

Test Cases

Test ID	Description	Expected Results	Actual Results
testNoCLA Author: Logan Williams	\$ java -cp bin MovieSearch	Usage: java -cp bin MovieSearch infile Program exits.	Usage: java -cp bin MovieSearch infile Program exits.
testMoreThanOneCLA Author: Logan Williams	\$ java -cp bin MovieSearch movies.txt moremovies.txt	Usage: java -cp bin MovieSearch infile Program exits.	Usage: java -cp bin MovieSearch infile Program exits.

testFileNotFound Author: Logan Williams	\$ java -cp bin MovieSearch notmovies.txt (notmovies.txt does not exist for this test)	File not found Program exits	File not found Program exits
notDigitYear Author: Michael Totaro	java -cp bin MovieSearch test_files/shortmovielist.txt <ul style="list-style-type: none"> •Gui opens •User clicks on "Search By Year" button •Dialog box opens that says "Please enter a year" •User types in "Hello" 	<ul style="list-style-type: none"> •Dialog box displays a message that says "Please enter a valid year as an integer" and reprompts the user for a year	<ul style="list-style-type: none"> •Dialog box displays a message that says "Please enter a valid year as an integer" and reprompts the user for a year

invalidGenre author: Michael Totaro	java -cp bin MovieSearch test_files/movies.txt <ul style="list-style-type: none"> •Gui opens •User clicks on “Search By Genre” button •Dialog box opens that says “Please enter a genre from the list and the menu of options”. •User types “Hello” 	Dialog box displays a message which says “There were errors in you search •”Hello” is not valid genre Please enter a genre from the list and the menu of options”. Then reprompts the user	Dialog box displays a message which says “There were errors in you search •”Hello” is not valid genre Please enter a genre from the list and the menu of options”. Then reprompts the user
displayMovies author: Michael Totaro	java -cp bin MovieSearch test_files/shortmovielist.txt <ul style="list-style-type: none"> •Gui opens •User clicks on “Display All Movies” button 	In the text area all the movies and their information is displayed as shown below. “•You chose the "Display All Movies" option. Displaying results for all movie. <ul style="list-style-type: none"> • 2001: A Space Odyssey (1968) 149 minutes. Adventure,Sci-Fi • \$1000 a Touchdown (1939) 71 minutes. Comedy,Sport • Brave New Land (2000) 104 minutes. Drama,War • Braveheart (1995) 178 minutes. Biography,Drama,Histo ry • Jaws (1975) 124 	In the text area all the movies and their information is displayed as shown below. “•You chose the "Display All Movies" option. Displaying results for all movie. <ul style="list-style-type: none"> • 2001: A Space Odyssey (1968) 149 minutes. Adventure,Sci-Fi • \$1000 a Touchdown (1939) 71 minutes. Comedy,Sport • Brave New Land (2000) 104 minutes. Drama,War • Braveheart (1995) 178 minutes. Biography,Drama,Histo ry • Jaws (1975) 124

		<p>minutes. Adventure,Drama,Thriller</p> <ul style="list-style-type: none"> • Life in a Metro (2007) 132 minutes. Comedy,Drama,Romance • Life, Death and Mini-Golf (2004) 115 minutes. Comedy,Drama • Running Wild (1992) 94 minutes. Documentary • The Other Side of Midnight (1977) 165 minutes. Drama,Romance,Thriller • The Other Side of the Tracks (2008) 92 minutes. Drama,Fantasy,Mystery 	<p>minutes. Adventure,Drama,Thriller</p> <ul style="list-style-type: none"> • Life in a Metro (2007) 132 minutes. Comedy,Drama,Romance • Life, Death and Mini-Golf (2004) 115 minutes. Comedy,Drama • Running Wild (1992) 94 minutes. Documentary • The Other Side of Midnight (1977) 165 minutes. Drama,Romance,Thriller • The Other Side of the Tracks (2008) 92 minutes. Drama,Fantasy,Mystery
<p>invalidString</p> <p>author: Michael Totaro</p>	<p>java -cp bin MovieSearch test_files/shortmovielist.txt</p> <ul style="list-style-type: none"> •Gui opens •User clicks on "Search by String" button •Dialog box opens that says "Please enter a string" •User types in the string "jwyqeyuk" 	<p>Dialog box displays message that says</p> <p>"No results were found for"jwyqeyuk". Please enter a valid string."</p> <p>Then reprompts the user</p>	<p>Dialog box displays message that says</p> <p>"No results were found for"jwyqeyuk". Please enter a valid string."</p> <p>Then reprompts the user</p>

<p>equalInLength</p> <p>author: Michael Totaro</p>	<p>java -cp bin MovieSearch test_files/shortmovielist.txt</p> <ul style="list-style-type: none"> •Gui opens •User clicks on "Search by Length" button •Dialog box opens that says "Please enter a runtime (in minutes)". •User types in "132" and presses ok. •Another dialog box opens asking the user if they want to display movies that are longer, equal, or shorter in length. •User chooses "equal" option in regards to length 	<p>Text area displays text that says</p> <p>"•You chose the "Search By Length" option.</p> <p>Displaying results for movies equal to 132 minutes in length.</p> <ul style="list-style-type: none"> • Life in a Metro (2007) 132 minutes. Comedy,Drama,Romance" 	<p>Text area displays text that says</p> <p>"•You chose the "Search By Length" option.</p> <p>Displaying results for movies equal to 132 minutes in length.</p> <ul style="list-style-type: none"> • Life in a Metro (2007) 132 minutes. Comedy,Drama,Romance"
<p>shorterInLength</p> <p>author: Michael Totaro</p>	<p>java -cp bin MovieSearch test_files/shortmovielist.txt</p> <ul style="list-style-type: none"> •Gui opens •User clicks on "Search by Length" button •Dialog box opens that says "Please enter a runtime (in minutes)". •User types in "90" and presses ok. •Another dialog box opens asking the user if they want to display movies that are longer, equal, or shorter in length. •User chooses "shorter" option in regards to length 	<p>Text area displays text that says</p> <p>"•You chose the "Search By Length" option.</p> <p>Displaying results for movies shorter than 90 minutes in length.</p> <ul style="list-style-type: none"> • \$1000 a Touchdown (1939) 71 minutes. Comedy,Sport" 	<p>Text area displays text that says</p> <p>"•You chose the "Search By Length" option.</p> <p>Displaying results for movies shorter than 90 minutes in length.</p> <ul style="list-style-type: none"> • \$1000 a Touchdown (1939) 71 minutes. Comedy,Sport"
<p>longerInLength</p> <p>author: Michael Totaro</p>	<p>java -cp bin MovieSearch test_files/shortmovielist.txt</p> <ul style="list-style-type: none"> •Gui opens •User clicks on "Search by 	<p>Text area displays text that says</p>	<p>Text area displays text that says</p>

	<p>Length” button</p> <ul style="list-style-type: none"> •Dialog box opens that says “Please enter a runtime (in minutes)”. •User types in “160” and presses ok. •Another dialog box opens asking the user if they want to display movies that are longer, equal, or shorter in length. •User chooses “longer ” option in regards to length 	<p>“•You chose the "Search By Length" option.</p> <p>Displaying results for movies longer than 160 minutes in length.</p> <ul style="list-style-type: none"> • Braveheart (1995) 178 minutes. Biography,Drama,Histo ry • The Other Side of Midnight (1977) 165 minutes. Drama,Romance,Thrill er” 	<p>“•You chose the "Search By Length" option.</p> <p>Displaying results for movies longer than 160 minutes in length.</p> <ul style="list-style-type: none"> • Braveheart (1995) 178 minutes. Biography,Drama,Histo ry • The Other Side of Midnight (1977) 165 minutes. Drama,Romance,Thrill er”
<p>invalidLength</p> <p>author: Michael Totaro</p>	<p>java -cp bin MovieSearch test_files/movies.txt</p> <ul style="list-style-type: none"> •Gui opens •User clicks on “Search by Length” button •Dialog box opens that says “Please enter a string”. •User types in “10000” •Another dialog box opens asking the user if they want to display movies that are longer, equal, or shorter in length. •User chooses “longer ” option in regards to length 	<p>In the text area a message in displayed that says</p> <p>“•You chose the "Search By Length" option.</p> <p>•No results were found with a runtime longer than 10000 minutes in length.”</p>	<p>In the text area a message in displayed that says</p> <p>“•You chose the "Search By Length" option.</p> <p>“•No results were found with a runtime longer than 10000 minutes in length.”</p>
<p>validString</p> <p>author: Michael Totaro</p>	<p>java -cp bin MovieSearch test_files/movies.txt</p> <ul style="list-style-type: none"> • Gui opens •User clicks on “Search by String” button •Dialog box opens saying 	<p>Text area displays the following</p> <p>“•You chose the "Search By String" option.</p>	<p>Text area displays the following</p> <p>“•You chose the "Search By String" option.</p>

	<p>“Please enter a string”</p> <ul style="list-style-type: none"> •User types “star wars: e” 	<ul style="list-style-type: none"> • Star Wars: Episode I - The Phantom Menace (1999) 136 minutes. Action,Adventure,Fantasy • Star Wars: Episode II - Attack of the Clones (2002) 142 minutes. Action,Adventure,Fantasy • Star Wars: Episode III - Revenge of the Sith (2005) 140 minutes. Action,Adventure,Fantasy • Star Wars: Episode IV - A New Hope (1977) 121 minutes. Action,Adventure,Fantasy • Star Wars: Episode V - The Empire Strikes Back (1980) 124 minutes. Action,Adventure,Fantasy • Star Wars: Episode VI - Return of the Jedi (1983) 131 minutes. Action,Adventure,Fantasy” 	<ul style="list-style-type: none"> • Star Wars: Episode I - The Phantom Menace (1999) 136 minutes. Action,Adventure,Fantasy • Star Wars: Episode II - Attack of the Clones (2002) 142 minutes. Action,Adventure,Fantasy • Star Wars: Episode III - Revenge of the Sith (2005) 140 minutes. Action,Adventure,Fantasy • Star Wars: Episode IV - A New Hope (1977) 121 minutes. Action,Adventure,Fantasy • Star Wars: Episode V - The Empire Strikes Back (1980) 124 minutes. Action,Adventure,Fantasy • Star Wars: Episode VI - Return of the Jedi (1983) 131 minutes. Action,Adventure,Fantasy”
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tooEarlyYear author: Michael Totaro	java -cp bin MovieSearch test_files/movies.txt •Gui opens •User clicks on “Search by Year” button •Dialog box opens that says “Please enter a year”. •User types in “1889”	Dialog box displays message that says “Please enter a year that is between the years 1890 - 2020.” Then reprompts the user.	Dialog box displays message that says “Please enter a year that is between the years 1890 - 2020.” Then reprompts the user.
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tooLateYear	java -cp bin MovieSearch test_files/shortmovielist.txt	Dialog box displays message that says	Dialog box displays message that says
author: Michael Totaro	<ul style="list-style-type: none">•Gui opens•User clicks on “Search by Year” button•Dialog box opens that says “Please enter a year”.•User types in “2022”	“Please enter a year that is between the years 1890 - 2020.” Then reprompts the user.	“Please enter a year that is between the years 1890 - 2020.” Then reprompts the user.

validYear author: Michael Totaro	java -cp bin MovieSearch test_files/shortmovielist.txt •Gui opens •User clicks on “Search by Year” button •Dialog box opens that says “Please enter a year”. •User types in “1977”	Dialog box displays text that says “•You chose the "Search By Year" option. Displaying search results for movies released in the year "1977". • The Other Side of Midnight (1977) 165 minutes. Drama,Romance,Thrill er”	Dialog box displays text that says “•You chose the "Search By Year" option. Displaying search results for movies released in the year "1977". • The Other Side of Midnight (1977) 165 minutes. Drama,Romance,Thrill er”
validGenre author: Michael Totaro	java -cp bin MovieSearch test_files/shortmovielist.txt •Gui opens •User clicks on “Search By Genre” button •Dialog box opens that says “Please enter a genre from the list and the menu of options”. •User types in “DRAMA, scifi” to the dialog box	Text area displays message that says “•You chose the "Search By Genre" option. Displaying results for "drama" and "sci-fi" movies. • 2001: A Space Odyssey (1968) 149 minutes. Adventure,Sci-Fi • Brave New Land (2000) 104 minutes. Drama,War • Braveheart (1995) 178 minutes. Biography,Drama,Histo ry • Jaws (1975) 124	Text area displays message that says “•You chose the "Search By Genre" option. Displaying results for "drama" and "sci-fi" movies. • 2001: A Space Odyssey (1968) 149 minutes. Adventure,Sci-Fi • Brave New Land (2000) 104 minutes. Drama,War • Braveheart (1995) 178 minutes. Biography,Drama,Histo ry • Jaws (1975) 124

		<p>minutes.</p> <p>Adventure,Drama,Thriller</p> <ul style="list-style-type: none"> • Life in a Metro (2007) 132 minutes. <p>Comedy,Drama,Romance</p> <ul style="list-style-type: none"> • Life, Death and Mini-Golf (2004) 115 minutes. <p>Comedy,Drama</p> <ul style="list-style-type: none"> • The Other Side of Midnight (1977) 165 minutes. <p>Drama,Romance,Thriller</p> <ul style="list-style-type: none"> • The Other Side of the Tracks (2008) 92 minutes. <p>Drama,Fantasy,Mystery”</p>	<p>minutes.</p> <p>Adventure,Drama,Thriller</p> <ul style="list-style-type: none"> • Life in a Metro (2007) 132 minutes. <p>Comedy,Drama,Romance</p> <ul style="list-style-type: none"> • Life, Death and Mini-Golf (2004) 115 minutes. <p>Comedy,Drama</p> <ul style="list-style-type: none"> • The Other Side of Midnight (1977) 165 minutes. <p>Drama,Romance,Thriller</p> <ul style="list-style-type: none"> • The Other Side of the Tracks (2008) 92 minutes. <p>Drama,Fantasy,Mystery”</p>
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