Black Box Test Plan: ImageViewer program

Test Files: ncstate.txt, missinglmage.txt, misc.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	\$java -cp bin ImageViewer	Usage: java -cp bin ImageViewer filename	Usage: java -cp bin ImageViewer filename
Author: Dr. Balik			
testTwoCommandLineAr	\$java -cp bin ImageViewer test-files/ncstate.txt	Usage: java -cp bin ImageViewer filename	java -cp bin ImageViewer test-files/ncstate.txt test-files/missingImage.txt
gs	test-files/missingImage.txt		
Author: Dr. Balik			
testNonexistentFile	\$java -cp bin ImageViewer	Unable to access input file:	Unable to access input file:
Author: Dr. Balik	test-files/no_such_file.txt	test-files/no_such_file.txt	test-files/no_such_file.txt
testImageMenu	\$ java -cp bin ImageViewer test-files/ncstate.txt	Image Viewer - Please choose an image to view (or 4 to quit).	Image Viewer - Please choose an image to view (or 4 to quit).
Author: Dr. Balik		1 - Mr. Wuf at NC State	1 - Mr. Wuf at NC State
	(Ctrl+C to stop execution)	2 - NC State Memorial Belltower	2 - NC State Memorial Belltower
		3 - Daniels Hall - Home of CSC 116! 4 - Quit the program	3 - Daniels Hall - Home of CSC 116! 4 - Quit the program
		Image:	Image:
testQuit	\$java -cp bin ImageViewer test-files/ncstate.txt	Goodbye!	Goodbye!
Author: Dr. Balik	Menu is displayed	Program exits	Program exits
	Image: 4		

testInvalidImageNumb er	\$java -cp bin ImageViewer test-files/ncstate.txt	Invalid image number	Invalid image number
Author: Dr. Balik	Menu is displayed	Menu is displayed	Menu is displayed
Addition Br. Ballix	Image: 8		
	(Ctrl+C to stop execution)		
testDisplayImageAndOpti onMenu	\$java -cp bin ImageViewer test-files/ncstate.txt	Mr. Wuf is displayed in DrawingPanel	Mr. Wuf is displayed in DrawingPanel
Author: Dr. Balik	Menu is displayed	Please enter an option below.	Please enter an option below.
, add on 2 in Same	Image: 1	G-rey scale H-igh contrast N-egative	G-rey scale H-igh contrast N-egative
	(Ctrl+C to stop execution)	Option:	Option:
testGreyScale	\$java -cp bin ImageViewer test-files/ncstate.txt	Mr. Wuf is redisplayed in DrawingPanel in grey scale	Mr. Wuf is redisplayed in DrawingPanel in grey scale
Author: Dr. Balik	Menu is displayed		
	Image: 1		
	Option menu is displayed		
	Option: g (Ctrl+C to stop execution)		
testMissingImage	\$java -cp bin ImageViewer test-files/missingImage.txt	Talley Student Center missing image file: images/talley.png	Talley Student Center missing image file: images/talley.png
Author: Dr. Balik	Menu is displayed	<pre>Image Viewer - Please choose an image to view (or 5 to quit).</pre>	<pre>Image Viewer - Please choose an image to view (or 5 to quit).</pre>
	Image: 4		_
		1 - Mr. Wuf at NC State	1 - Mr. Wuf at NC State
		2 - NC State Memorial Belltower 3 - Daniels Hall - Home of CSC 116!	2 - NC State Memorial Belltower 3 - Daniels Hall - Home of CSC 116!
		4 - Talley Student Center	4 - Talley Student Center
		5 - Quit the program	5 - Quit the program
		Image:	Image:

testEmptyInputFile	\$ java -cp bin ImageViewer test-files/empty.txt	Goodbye!	Goodbye!
Author: Christine Park	Image Viewer - Please choose an image to view (or 1 to quit).	Program exits.	Program exits.
	1 - Quit the program		
	Image: 1		
testNegativeLowerCase	\$java -cp bin ImageViewer test-files/ncstate.txt	NC State Memorial Belltower is displayed in negative.	NC State Memorial Belltower is displayed in negative.
Author: Christine Park	Menu is displayed		
	Image: 2		
	Option menu is displayed		
	Option: n (Ctrl+C to stop execution)		
testNegativeUpperCase	\$java -cp bin ImageViewer test-files/ncstate.txt	Mr. Wuf at NC State is displayed in negative.	Mr. Wuf at NC State is displayed in negative.
Author: Christine Park	Menu is displayed		
	Image: 1		
	Option menu is displayed		
	Option: N (Ctrl+C to stop execution)		
testHighContrastLowerCa se	\$java -cp bin ImageViewer test-files/ncstate.txt	NC State Memorial Belltower is displayed in high contrast.	NC State Memorial Belltower is displayed in high contrast.
	Menu is displayed	contract.	contract.
Author: Christine Park	Image: 2		
	Option menu is displayed		
	Option: h (Ctrl+C to stop execution)		

testHighContrastUpperCa se Author: Christine Park	\$java -cp bin ImageViewer test-files/ncstate.txt Menu is displayed Image: 3 Option menu is displayed Option: H (Ctrl+C to stop execution)	Daniels Hall - Home of CSC116! is displayed in high contrast.	Daniels Hall - Home of CSC116! is displayed in high contrast.
testGreyScaleUpperCase Author: Dr. Balik	\$java -cp bin ImageViewer test-files/ncstate.txt Menu is displayed Image: 1 Option menu is displayed Option: G (Ctrl+C to stop execution)	Mr. Wuf is redisplayed in DrawingPanel in grey scale	Mr. Wuf is redisplayed in DrawingPanel in grey scale
testImageFilterInvalidOpt ion	\$java -cp bin ImageViewer test-files/ncstate.txt Menu is displayed Image: 3 Option menu is displayed Option: b	<pre>Invalid option. Image Viewer - Please choose an image to view (or 5 to quit). 1 - Mr. Wuf at NC State 2 - NC State Memorial Belltower 3 - Daniels Hall - Home of CSC 116! 4 - Talley Student Center 5 - Quit the program Image:</pre> <pre>Image:</pre>	<pre>Invalid option. Image Viewer - Please choose an image to view (or 5 to quit). 1 - Mr. Wuf at NC State 2 - NC State Memorial Belltower 3 - Daniels Hall - Home of CSC 116! 4 - Talley Student Center 5 - Quit the program Image:</pre>

testImageMenumisctxtfil	\$java -cp bin ImageViewer test-files/misc.txt	Image Viewer - Please choose an image to view (or 5 to quit)	Image Viewer - Please choose an image to view (or 4 to quit)
Author: Christine Park	(Ctrl+C to stop execution)	1 -Somewhere over the rainbow2 -Have a great day!3 -Is it time for lunch?4 -Too cute for words	 1 -Somewhere over the rainbow 2 -Have a great day! 3 -Is it time for lunch? 4 -Too cute for words
		5 - Quit the program Image:	5 - Quit the program Image: