Black Box Test Plan for ImageViewer

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
testNoComm andLineArgs	\$ java -cp bin ImageViewer	Usage: java ImageViewer filename	Usage: java ImageViewer filename
Author: Dr. Balik			
testTwoCom mandLineArg s	\$ java -cp bin ImageViewer ncstate.txt missingImage.txt	Usage: java ImageViewer filename	Usage: java ImageViewer filename
Author: Dr. Balik			
testNonexisti ngFile	\$ java -cp bin ImageViewer junk.txt	Unable to access input file: junk.txt	Unable to access input file: junk.txt
Author: Dr. Balik			

testImageMe nu Author: Dr. Balik	\$ java -cp bin ImageViewer test-files/ncstate.txt	Image Menu listing 3 images and 4 to quit is displayed and user is prompted for Image: Image Viewer - Please choose an image to view (or 4 to quit). 1 - Mr. Wuf at NC State 2 - NC State Memorial Belltower 3 - Daniels Hall - Home of	Image Menu listing 3 images and 4 to quit is displayed and user is prompted for Image: Image Viewer - Please choose an image to view (or 4 to quit). 1 - Mr. Wuf at NC State 2 - NC State Memorial Belltower 3 - Daniels Hall - Home of
	(ODTI LO)	CSC 116! 4 - Quit the program Image:	CSC 116! 4 - Quit the program Image:
	(CRTL+C)	Program exits	Program exits
testQuit	\$ java -cp bin ImageViewer test-files/ncstate.txt	Program exits	Program exits
Author: Dr. Balik	Image Viewer - Please choose an image to view (or 4 to quit). 1 - Mr. Wuf at NC State 2 - NC State Memorial Belltower 3 - Daniels Hall - Home of CSC 116! 4 - Quit the program Image: 4		

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testDisplayIm	\$ java -cp bin ImageViewer test-files/ncstate.txt	Mr. Wuf is displayed in	Mr. Wuf is displayed in
age		DrawingPanel and Option menu is displayed	DrawingPanel and Option menu is displayed
Author:	 Image Viewer - Please choose an image to view (or	displayed	displayed
Dr. Balik	4 to quit).	Please enter an option	Please enter an option
		below.	below.
	1 - Mr. Wuf at NC State		
	2 - NC State Memorial Belltower	G-rey scale	G-rey scale
	3 - Daniels Hall - Home of CSC 116! 4 - Quit the program	H-igh contrast N-egative	H-igh contrast N-egative
	4 - Quit the program	N-egative	N-egative
	Image: 1	Option:	Option:
	(CTRL+C)		
	(CTRL+G)	Program exits	Program exits
testMissingIm	\$ java -cp bin ImageViewer test-files/	Talley Student Center missing	Talley Student Center missing
age	missingImage.txt	image file: images/talley.png	image file: images/talley.png
Author:	Image Viewer - Please choose an image to view (or	Image Viewer - Please choose an	Image Viewer - Please choose an
Dr. Balik	5 to quit).	image to view (or 5 to quit).	image to view (or 5 to quit).
	1 - Mr. Wuf at NC State	1 - Mr. Wuf at NC State	1 - Mr. Wuf at NC State
	2 - NC State Memorial Belltower	2 - NC State Memorial Belltower	2 - NC State Memorial Belltower
	3 - Daniels Hall - Home of CSC 116!	3 - Daniels Hall - Home of CSC	3 - Daniels Hall - Home of CSC
	4 - Talley Student Center	116!	116!
	5 - Quit the program	4 - Talley Student Center	4 - Talley Student Center
	 Image: 4	5 - Quit the program	5 - Quit the program
		Image:	Image:
	(CTRL+C)	Program exits	Program exits
	(01112.0)		

testConvertG reyScale	\$ java -cp bin ImageViewer test-files/ncstate.txt	DrawingPanel and Option menu is	Mr. Wuf is displayed in DrawingPanel and Option menu is
Author: Thomas Tillis	Image Viewer - Please choose an image to view (or 5 to quit).	displayed then greyscale mr. wuf is displayed	displayed then greyscale mr. wuf is displayed
	1 - Mr. Wuf at NC State 2 - NC State Memorial Belltower	Image Viewer - Please choose an image to view (or 5 to quit).	Image Viewer - Please choose an image to view (or 5 to quit).
	3 - Daniels Hall - Home of CSC 116! 4 - Quit the program	1 - Mr. Wuf at NC State 2 - NC State Memorial Belltower	1 - Mr. Wuf at NC State 2 - NC State Memorial Belltower
	Image: 3	3 - Daniels Hall - Home of CSC 116!	3 - Daniels Hall - Home of CSC 116!
	Mr. Wuf is displayed in DrawingPanel and Option menu is displayed	4 - Quit the program	4 - Quit the program
		Image: 3	Image: 3
	Please enter an option below.	NA NALE displayed in	NA NACE adjusted to
	0	Mr. Wuf is displayed in	Mr. Wuf is displayed in
	G-rey scale	DrawingPanel and Option menu is	DrawingPanel and Option menu is
	H-igh contrast N-egative	displayed	displayed
		Please enter an option below.	Please enter an option below.
	Option: G		
	(077)	G-rey scale	G-rey scale
	(CTRL+C)	H-igh contrast	H-igh contrast
		N-egative	N-egative
		Option: G	Option: G
		(CTRL+C)	(CTRL+C)

testConvertHi	\$ java -cp bin ImageViewer test-files/ncstate.txt	Invalid Image number printed to console. Program exits	Invalid Image number printed to console. Program exits
gContrast	Image Viewer - Please choose an image to view (or		
	5 to quit).	Image Viewer - Please choose an	Image Viewer - Please choose a
Author:		image to view (or 5 to quit).	image to view (or 5 to quit).
Thomas Tillis	1 - Mr. Wuf at NC State		
	2 - NC State Memorial Belltower	1 - Mr. Wuf at NC State	1 - Mr. Wuf at NC State
	3 - Daniels Hall - Home of CSC 116!	2 - NC State Memorial Belltower	2 - NC State Memorial Belltower
	4 - Quit the program	3 - Daniels Hall - Home of CSC 116!	3 - Daniels Hall - Home of CS0 116!
	Image: 7	4 - Quit the program	4 - Quit the program
	Invalid image number		
		Image: 7	Image: 7
	Image Viewer - Please choose an image to view (or 5 to quit).	Invalid image number	Invalid image number
		Image Viewer - Please choose an	Image Viewer - Please choose a
	1 - Mr. Wuf at NC State	image to view (or 5 to quit).	image to view (or 5 to quit).
	2 - NC State Memorial Belltower		
	3 - Daniels Hall - Home of CSC 116!	1 - Mr. Wuf at NC State	1 - Mr. Wuf at NC State
	4 - Quit the program	2 - NC State Memorial Belltower	2 - NC State Memorial Belltower
		3 - Daniels Hall - Home of CSC	3 - Daniels Hall - Home of CS
	Image: 4	116!	116!
		4 - Quit the program	4 - Quit the program
		Image: 4	Image: 4

testConvert Negative	\$ java -cp bin ImageViewer test-files/ncstate.txt	Mr. Wuf is displayed in DrawingPanel and Option menu is	DrawingPanel and Option menu is
Author: Thomas Tillis	Image Viewer - Please choose an image to view (or 5 to quit).	displayed then negative mr. wuf is displayed	displayed then negative mr. wuf is displayed
	1 - Mr. Wuf at NC State	Image Viewer - Please choose an image to view (or 5 to quit).	Image Viewer - Please choose an image to view (or 5 to quit).
	2 - NC State Memorial Belltower 3 - Daniels Hall - Home of CSC 116! 4 - Quit the program	1 - Mr. Wuf at NC State 2 - NC State Memorial Belltower	1 - Mr. Wuf at NC State 2 - NC State Memorial Belltower
	Image: 3	3 - Daniels Hall - Home of CSC 116!	3 - Daniels Hall - Home of CSC 116!
	Mr. Wuf is displayed in DrawingPanel and Option menu is displayed	4 - Quit the program Image: 3	4 - Quit the program Image: 3
	Please enter an option below.	Mr. Wuf is displayed in	Mr. Wuf is displayed in
	G-rey scale H-igh contrast	DrawingPanel and Option menu is displayed	DrawingPanel and Option menu is displayed
	N-egative	Please enter an option below.	Please enter an option below.
	Option: N	G-rey scale H-igh contrast	G-rey scale H-igh contrast
	(CTRL+C)	N-egative	N-egative
		Option: N	Option: N
		(CTRL+C)	(CTRL+C)

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1 - Mr. Wuf at NC State 2 - NC State Memorial Belltower 3 - Daniels Hall - Home of CSC 116! 4 - Quit the program Image: 7 Mr. Wuf is displayed in DrawingPanel and Option menu is displayed Please enter an option below. G-rey scale	
·	
Option: N	
(CTRL+C)	