# 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.

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| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| testNoCommandLineArgs    Author:  Dr. Balik | $ java -cp bin ImageViewer | Usage: java ImageViewer filename |  |
| testTwoCommandLineArgs    Author:  Dr. Balik | $ java -cp bin ImageViewer ncstate.txt missingImage.txt | Usage: java ImageViewer filename |  |
| testNonexistingFile    Author:  Dr. Balik | $ java -cp bin ImageViewer junk.txt | Unable to access input file: junk.txt |  |
| testImageMenu    Author:  Dr. Balik | $ java -cp bin ImageViewer test-files/ncstate.txt    (CRTL+C) | 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 CSC 116!  4 - Quit the program  Image:  **Program exits** |  |
| **testQuit**    **Author:**  **Dr. Balik** | $ java -cp bin ImageViewer test-files/ncstate.txt  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** | Goodbye!  **Program exits** |  |
| testDisplayImage    Author:  Dr. Balik | $ java -cp bin ImageViewer test-files/ncstate.txt    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: **1**  (CTRL+C) | Mr. Wuf is displayed in DrawingPanel and Option menu is displayed  Please enter an option below.  G-rey scale  H-igh contrast  N-egative  Option:  **Program exits** |  |
| testMissingImage    Author:  Dr. Balik | $ java -cp bin ImageViewer test-files/missingImage.txt  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: **4**  (CTRL+C) | Talley Student Center missing image file: images/talley.png  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:  **Program exits** |  |
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