

The project takes in single/multiple image files of various formats (only bmp, jpeg, gif, and png officially supported but feel free to try any valid image format) and outputs a single bmp/png (user choice) of all the taken files as well as an xml file that has an element for the whole sheet with attribute of filename, and element of each sprite with attribute of each sprite name, location on canvas, and size.

Case to test: Import valid image file

Instructions: Click "Import File..." button, click on "image.bmp", click open

Expectation: File is accepted and preview is displayed

Result: Pass

Case to test: Add image to canvas

Instructions: Click "Import File..." button, click on "image.bmp", click open, click "Add To Canvas"

Expectation: File is accepted, preview is displayed, image is added to canvas

Result: Pass

Case to test: Add multiple images to canvas

Instructions: Click "Import and Add Multiple..." button, press CTRL + A, click open, click "Add To Canvas"

Expectation: Valid files are accepted, invalid files are rejected, valid files added to canvas

Result: Pass

Case to test: Save image to directory

Instructions: Click "Import File..." button, click on "image.bmp", click open, click "Add To Canvas", click "Save As...", enter "test" into the File name box, click "Save"

Expectation: File is accepted, preview is displayed, image is added to canvas, test.bmp and test.xml are created in chosen directory

Result: Pass

Case to test: Import a non-image file

Instructions: Click "Import File..." button, click on "nonimage.bat", click open

Expectation: File is rejected as non-image file

Result: Pass

Case to test: Import a false image file (nonimage.bat renamed to nonimage.bmp)

Instructions: Click "Import File..." button, click on "nonimage.bmp", click open

Expectation: File is rejected as invalid image file

Result: Pass

Case to test: Import a corrupt image file

Instructions: Click "Import File..." button, click on "corrupt.bmp", click open

Expectation: File is rejected as corrupt image file

Result: Pass

Case to test: Import an empty file

Instructions: Click "Import File..." button, click on "file", click open

Expectation: File is rejected as NULL

Result: Pass

Case to test: Add empty preview image to canvas

Instructions: Click "Add To Canvas" with no image in the preview

Expectation: Added image is rejected as NULL

Result: Pass