

# Project 1 Black Box Test Plan

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Date:09/23/16

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## Introduction

The black box test program tests for a failure to specify file in the command line; a file that does not exists; and a file that does not correspond to the required format

Use eclipse to run these tests

The program is started running the GUI with a command line argument in order to load a text file containing the configuration of the ecosystem.

Test ID	Description	Expected Results	Actual Results
Test 1 Failure to specify filename (John Ruisi)	<b>Preconditions: NONE</b>  In the command line argument, enter nothing.  Run the program GUI	Message stating "Input file missing" shows  Program ends execution	<b>Message stating "Input file missing" shows</b>  <b>Program ends execution</b>
Test 2 File that does not exist (John Ruisi)	<b>Preconditions: The file non-existing-file.txt does not exist</b>  In the command line argument, enter "non-existing-file.txt" (a file that does not exist)  Run the program GUI	The simulator throws an <code>IllegalArgumentException</code> and the simulator is not constructed. The GUI displays an error dialog and quits execution.  GUI shows "File Not Found."	<b>The simulator throws an <code>IllegalArgumentException</code> and the simulator is not constructed. The GUI displays an error dialog and quits execution.</b>  <b>GUI shows "File Not Found."</b>

Test 3 File that is incorrectly formatted (John Ruisi)	<p><b>Preconditions: The file incorrectformat.png is in an incorrect format</b></p> <p>In the command line argument, enter "incorrect-format.png" (a file that has incorrect format)</p> <p>Run the program GUI</p>	<p>The simulator throws an <code>IllegalArgumentException</code> and the simulator is not constructed. The GUI displays an error dialog and quits execution.</p> <p>GUI shows "Incorrect format"</p>	<p><b>The simulator throws an <code>IllegalArgumentException</code> and the simulator is not constructed. The GUI displays an error dialog and quits execution.</b></p> <p><b>GUI shows "Incorrect format"</b></p>
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Required Files **incorrect-format.png** – this file is in a format not readable by the program

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#### Document Revision History

Date	Author	Change Description
9/23/16	John Ruisi	☐ Created BBT