

Project 1 Black Box Test Plan

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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 exist; 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)	Preconditions: NONE In the command line argument, enter nothing. Run the program GUI	Message stating "File required to initialize the ecosystem." Program ends execution	
Test 2 File that does not exist (John Ruisi)	Preconditions: The file non-existing-file.txt does not exist 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. (As specified by the project 1 requirements.)	
Test 3 File that is incorrectly formatted (John Ruisi)	Preconditions: The file incorrect-format.png is in an incorrect format In the command line argument, enter "incorrect-format.png" (a file that has incorrect format) 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. (As specified by the project 1 requirements.)	

Required Files

incorrect-format.png – this file is in a format not readable by the program

Document Revision History

Date	Author	Change Description
9/23/16	John Ruisi	<ul style="list-style-type: none">Created BBT