Project 1 – Ecosystem Simulator: Black Box Test Plan

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Date: September 23rd, 2016

Introduction

Provide a brief overview of your black box test plan. Describe how you would start your application.

Test ID	Description	Expected Results	Actual Results
Test 1 – File Does Not Exist (ndboard)	**Preconditions: testFile.txt does not exist** Enter testFile.txt into the Program arguments text field under the Arguments tab of the Run Configurations window. Press enter. Press run button. *Check Results*	A pop-up window is displayed with "Specified file does not exist." Program ends execution.	
Test 2 – File is Invalid Format (ndboard)	**Preconditions: invalidFile.txt does exist, and contains nothing. It is an empty txt document.** Enter invalidFile.txt into the Program arguments text field under the Arguments tab of the Run Configurations window. Press enter. Press run button. *Check Results*	A pop-up window is displayed with "Invalid file format." Program ends execution.	
Test 3 – File is Valid Format	**Preconditions: validFile.txt does exist, and contains the specified information below.** Enter validFile.txt into the Program arguments text field under the Arguments tab of the Run Configurations window. Press enter. Press run button. *Check Results*	The Ecosystem Simulator window appears. "Total steps" should contain 0 by default. "Number of steps to run" should be 1 by default. The grid should contain the same arrangement as the test file below, with the default colors of green, orange, and red. The following species should be listed underneath: Great Grey Owl, Frog, Mouse, & Insect.	

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Required Files:

invalidFile.txt – empty txt file

validFile.txt – a valid test file that contains the information below exactly

4
O Great Gray Owl
M Mouse
F   Frog
I  Insect
..O.M.M.III...OM.MMM
..MMI...MMMM...OIO..
.M.O.......O..O..O..
.OMMMM.IIIIIIIII.MM.
.......F....F.......
.OOMMMMIIIIMMMMOIM.O
....II.....IIII.....
..OO...III.MMMM.III.
............IOO.III.
.IIII......MMI......
...F....FFF.........
OMIOMIOMIOMIOMIOMIOM
....................
.OMIMIMIMIM.MIMI.O..
IIMIOIIO....OO..II.M
......IIII.MMM.OOOO.
......MM....MM....M.
.............O..F.I.
OO.MMMMM...IIIIIMMM
MMIMIMIMIMIMIMIMIMIM
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Document Revision History

Date	Author	Change Description
9/22	ndboard	• Start and finish all three BBT plans. Referenced the SampleBBTP1 file from the project requirements.
9/20	ndboard	• Start the document