

# Project 1 Black Box Test Plan

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## Introduction

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

These tests will test the basic functions of the Ecosystem system through its GUI. The system will require an initialization file to populate the ecosystem, and an optional file to include custom parameters provided by the user. Once initialized by the files, the user will be able to specify a number of steps to run the ecosystem and view its outcomes.

Test ID	Description	Expected Results	Actual Results
Test 1: No file name	<b>Preconditions:</b> <ul style="list-style-type: none"><li>- At the top of the screen, click run</li><li>- Hover over "Run As"</li><li>- Select "Java Application"</li><li>- Make sure no file is in the args array</li><li>- Check results</li></ul>	An error message stating "input file missing".	Error message stating "input file missing is displayed
Test2: Valid File used	<ul style="list-style-type: none"><li>- At the top of the screen, click run</li><li>- Hover over "Run As"</li><li>- Select "Java Application"</li><li>- Make sure a valid init file is in the arguments array</li><li>- Check results</li></ul>	The GUI should open up displaying a grid with the information specified in the file.	Grid with animals in each grid with the correct color are displayed in the GUI, the legend at the bottom is in the correct order displaying the same
Test 3: Invalid file	<ul style="list-style-type: none"><li>- At the top of the screen, click run</li><li>- Hover over "Run As"</li><li>- Select "Java Application"</li><li>- Put a file that does not exist in the test-files folder</li><li>- Check results</li></ul>	An error message stating "invalid file" should display and the GUI should quit running.	Error message stating invalid File is displayed

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## Document Revision History

Date	Author	Change Description
9/22/16	Nikhil Shirsekar	• Added initial black box Tests