What's for Dinner? Black Box Test Plan

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Introduction

This black box test plan will be used to ensure that the What's for Dinner project is working correctly. To start the program the user will right click on the PredatorPreyGUI class and click Run as Java project.

Test ID	Description	Expected Results	Actual Results
StartProgram (wcrea)	**Preconditions:** The user has just started the program The user starts the program successfully.	A pop up appears with wolf for predator with a red box next to it. Prey is elk and is the color blue. Scavenger is magpie and is the color black.	Wolf has the color red next to it, elk has the color blue next to it, and magpie has a black rectangle next to it.
InputNonIntegerForCount (wcrea)	**Preconditions:** The user has just started the program and clicks close for the initial pop up. The user starts the program successfully. When prompted for the names of the species and the colors to represent them the user clicks close and keeps the default values. Enter "Ten" in the text box for count of the predator species.	A pop up appears with an error message stating that initial counts must be integers	A pop up appears named input error and says that the initial population counts must be integers.
InputNegativeIntegerForCount (wcrea)	**Preconditions:** The user has just started the program and clicks close for the initial pop up. The user starts the program successfully. When prompted for the names of the species and the colors to represent them the user clicks close and keeps the default values. Enter "-10" in the text box for count of the predator species.	A pop up appears with an error message stating that the initial counts must be positive.	An input error message is displayed saying that the population counts cannot be negative.
InputNonIntegerForBirthRate (wcrea)	**Preconditions:** The user has just started the program and clicks close for the initial pop up. The user starts the program successfully. When prompted for the names of the species and the colors to represent them the user clicks close and keeps the default values. Enter "One Tenth" in the text box for	A pop up appears with an error message stating that the birth/death rates must be numbers.	An input error message is displayed that says the birth/death rates must be numbers.

	Birth Rate of the predator species.		
InputInvalidDeathRate	**Preconditions:** The user has just started the program and clicks close for the initial pop up. The user starts the program successfully. When prompted for the names of the species and the colors to represent them the user clicks close and keeps the default values. Enter "2" in the text box for count of the predator species.	A pop up appears with an error message stating that the birth/death rates must be between 0 and 1.	An input error message is displayed that says the birth/death rates must be between 0 and 1.

Document Revision History

Date	Author	Change Description
9/22/2015	William Rea	• Added 5 tests
10/5/2015	William Rea	• Added the actual results for all tests.