

Wolf Results Black Box Test Plan

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Date: 11/30/2018

Introduction

This Black Box Test Plan tests that the WolfResults program runs correctly by testing the loading files function, that the GUI correctly selects races, that the user is able to edit the race distance and update the information correctly, and that new races and runners are correctly added. It also tests for a few of the error messages displayed when the user incorrectly navigates the program or types incorrect input. This test plan utilizes the "sample.md" file provided in the github "Project 3, Part 1: Wolf Results" page.

To run the tests:

1. Right click on WolfResultsGUI class in the Package Explorer.
2. Select Run As > Java Application

Tests files should be located in the test-files/ folder.

Test ID	Description	Expected Results	Actual Results
T1 OpenTest-File (Abigail Ormond)	Preconditions: WolfResultsGUI is running. Select <i>File</i> then <i>Load</i> from the menu bar. Navigate to the test-files/ folder, select <i>sample.md</i> and click <i>Open</i> . Check results. Close GUI.	Two Races populate the "Races" box. No race is selected and all other boxes are empty.	Two Races populate the "Races" box. No race is selected and all other boxes are empty.
T2 SelectRace (Abigail Ormond)	Preconditions: WolfResultsGUI is running. T1 has passed. Select the first race in the list (CITY OF OAKS MARATHON). Check results.	The race is highlighted. The Race details are filled in and the Race Results box is filled with the runners, their ages, times, and pace.	The race is highlighted. The Race details are filled in and the Race Results box is filled with the runners, their ages, times, and pace.

	Close GUI.		
<p>T3</p> <p>EditRace</p> <p>(Abigail Ormond)</p>	<p>Preconditions: WolfResultsGUI is running. T1-T2 has passed.</p> <p>In the <i>Race Distance</i> text box under the <i>Race Details</i> area, delete 26.2 and type 13.1. Click <i>Edit Race</i> in the <i>Races</i> area.</p> <p>Check results.</p> <p>Close GUI.</p>	<p>The races listing will now show the updated distance (13.1 miles) in the Races box. In the Race Results box on the right, each runner's pace will be updated with the new pace (two times the original pace).</p>	<p>The races listing will now show the updated distance (13.1 miles) in the Races box. In the Race Results box on the right, each runner's pace will be updated with the new pace (two times the original pace).</p>
<p>T4</p> <p>AddRace</p> <p>(Abigail Ormond)</p>	<p>Preconditions: WolfResultsGUI is running. T1 has passed.</p> <p>Select <i>Unselect Race</i>.</p> <p>Type the following in the <i>Race Details</i> fields:</p> <p>KRISPY KREME RUN 2018</p> <p>2.5</p> <p>2018-2-02</p> <p>Raleigh, NC</p> <p>Click <i>Add Race</i>.</p> <p>Check results.</p> <p>Close GUI.</p>	<p>The Race is added to the displayed race list with no races selected. The race detail area is cleared.</p>	<p>The Race is added to the displayed race list with no races selected. The race detail area is cleared.</p>
<p>T5</p> <p>AddRunner-NoRace-Selected</p> <p>(Abigail Ormond)</p>	<p>Preconditions: WolfResultsGUI is running. T1, T2, and T4 have passed.</p> <p>No Race should be selected.</p> <p>Type the following in the specified boxes:</p> <p><i>Runner Name:</i> Abigail Ormond</p> <p><i>Runner Age:</i> 19</p> <p><i>Runner Time:</i> 2:30:00</p> <p>Click <i>Add</i>.</p> <p>View Results.</p> <p>Click <i>OK</i>.</p>	<p>A dialog box opens with the message "No race selected."</p>	<p>A dialog box opens with the message "No race selected."</p>

	Close GUI.		
<p>T6</p> <p>AddRunner-InvalidInput</p> <p>(Abigail Ormond)</p>	<p>Preconditions: WolfResultsGUI is running. T1, T2, and T4 have passed.</p> <p>Select the race you added in T4 (KRISPY KREME RUN 2018). Type the following in the specified boxes: <i>Runner Name:</i> Abigail Ormond <i>Runner Age:</i> Nineteen <i>Runner Time:</i> 2:30:00</p> <p>Click <i>Add</i>. View Results. Click <i>OK</i>.</p> <p>Close GUI.</p>	A dialog box opens with the message "Invalid runner."	A dialog box opens with the message "Invalid runner."
<p>T7</p> <p>AddRunner</p> <p>(Abigail Ormond)</p>	<p>Preconditions: WolfResultsGUI is running. T1, T2, and T4 have passed.</p> <p>Select the race you added in T4 (KRISPY KREME RUN 2018). Type the following in the specified boxes: <i>Runner Name:</i> Abigail Ormond <i>Runner Age:</i> 19 <i>Runner Time:</i> 2:30:00</p> <p>Click <i>Add</i>. Check results.</p> <p>Close GUI.</p>	The race result is added to the result list with the calculated pace (1:00:00).	The race result is added to the result list with the calculated pace (1:00:00).

T8 FilterRunners (Abigail Ormond)	<p>Preconditions: WolfResultsGUI is running. T1-T2 have passed (CITY OF OAKS MARATHON 2017 is selected).</p> <p>Enter the following in the specified boxes: <i>Age Min: 40</i> <i>Age Max: 50</i> <i>Pace Min: 00:06:00</i> <i>Pace Max: 00:06:10</i></p> <p>Click <i>filter</i>. Check results.</p> <p>Close GUI.</p>	The Race Results box is updated to display only the following racer information: IVAYLO BENOV,42,2:41:00,0:06:08	The Race Results box is updated to display only the following racer information: IVAYLO BENOV,42,2:41:00,0:06:08
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Document Revision History

Date	Author	Change Description
11/15/18	Abigail Ormond	Add 5 Black Box tests
11/16/18	Abigail Ormond	Add 3 additional Black Box tests
11/30/18	Abigail Ormond	Add actual results