

## Project 3 Black Box Test Plan

---

Document Author(s): Zach Scott

Date: 11/11/16

---

### Introduction

ToDoList maintains Lists of tasks that the user wishes to complete. There can be multiple lists with varying titles and the tasks can be assigned a title, start time, due time, category, and details. The tasks may later be edited to make changes to existing data or to be set to complete. Categories are maintained in a separate list and maintain all possible types of tasks that may be put in task lists. The Black Box Test Plan first attempts to load an invalid file to ensure the error is being handled correctly. Then a category is added to the empty category list to allow for task construction. The default task list is given a name and a task is added. The task is then edited to be marked as complete. Then the task is deleted. The plan represents the life cycle of a task in the task list.

The Application is started through the ToDoListGui. If you are using Eclipse, start the application by right clicking the ToDoListGui file in the package ncsu.edu.csc216.Project3.ui and select Run > Run as Java Application.

Test ID	Description	Expected Results	Actual Results
Test 1: Loading an Invalid File (Zach Scott)	<b>Preconditions: The file invalid_test.txt does not exist</b>  Start the application Click on File in the GUI's frame and from the drop-down list select Open File. Input test-files/invalid_test.txt Click Open.  <b>Check Results</b>	Dialog box opens and the error message "File is not a valid ToDoList data file" is displayed	Console displays FileNotFoundException
Test 2: Adding a new category (Zach Scott)	<b>Preconditions: none</b>  Start the application Click on Categories in the frame and select Add Category.  <b>Check Results</b>  In the Category Edit area. Input the following: <ul style="list-style-type: none"><li>Name: Homework</li><li>Description: School work at home</li></ul> The Add button should not be clickable until both fields contain non-whitespace text. After the information is input Click Add  <b>Check Results</b>	The Category List tab opens and the user sees a blank Category Edit area.  The Category "Homework" is added to the empty list.	The Category List tab opens and the user sees a blank Category Edit area.  The Category "Homework" is added to the empty list.
Test 3: Renaming the Task List and adding a task (Zach Scott)	<b>Preconditions: Test 2 has passed</b>  Click on the "New List" tab. Click Task List in the frame and select Rename Task List In the resulting dialog box input "CSC216" in the given field and click OK.	The "New List" tab has been renamed to "CSC216".  The Task has been added to the table with the following information displayed: <ul style="list-style-type: none"><li>ID: TL1_T1</li><li>Title: P3P1</li></ul>	The "New List" tab has been renamed to "CSC216".  The Task has been added to the table with the following information displayed: <ul style="list-style-type: none"><li>ID: TL1_T1</li><li>Title: P3P1</li></ul>

	<p><b>Check Results</b></p> <p>While still in the “CSC216” tab click Tasks in the frame and select Add New Task In the panel beneath the empty list input the following:</p> <ul style="list-style-type: none"> <li>• Task Title: P3P1</li> <li>• Category: Homework</li> <li>• Start Date &amp; Time: Wed Nov 9, 2016, 11:37</li> <li>• Due Date &amp; Time: Fri Nov 11, 2016, 21:00</li> <li>• Task Details: Design Proposal and BBTP</li> </ul> <p>Click Add.</p> <p><b>Check Results</b></p>	<ul style="list-style-type: none"> <li>• Start Date: Wed Nov 9, 2016, 11:37</li> <li>• Due Date: Fri Nov 11, 2016, 21:00</li> <li>• Completed Date:</li> <li>• Completed: false</li> <li>• Category: Homework</li> </ul>	<ul style="list-style-type: none"> <li>• Start Date: Wed Nov 9, 2016, 11:37</li> <li>• Due Date: Fri Nov 11, 2016, 21:00</li> <li>• Completed Date:</li> <li>• Completed: false</li> <li>• Category: Homework</li> </ul>
Test 4: Editing an existing task (Zach Scott)	<p><b>Preconditions: Test 3 has passed</b></p> <p>Select the only task on the CSC216 list.</p> <p><b>Check Results</b></p> <p>Input the following changes:</p> <ul style="list-style-type: none"> <li>• Start Date &amp; Time: Thu Nov 10, 2016, 11:37</li> <li>• Check the Completed? Box</li> <li>• Completed Date &amp; Time: Fri Nov 11, 2016, 20:45</li> </ul> <p><b>Check Results</b></p>	<p>The task is highlighted on the table and its information is available in the panel below for editing</p> <p>The Task has been updated in the table and now displays the following information:</p> <ul style="list-style-type: none"> <li>• ID: TL1_T1</li> <li>• Title: P3P1</li> <li>• Start Date: Thu Nov 10, 2016, 11:37</li> <li>• Due Date: Fri Nov 11, 2016, 21:00</li> <li>• Completed Date: Fri Nov 11, 2016, 20:45</li> <li>• Completed: true</li> <li>• Category: Homework</li> </ul>	<p>The task is highlighted on the table and its information is available in the panel below for editing</p> <p>The Task has been updated in the table and now displays the following information:</p> <ul style="list-style-type: none"> <li>• ID: TL1_T1</li> <li>• Title: P3P1</li> <li>• Start Date: Thu Nov 10, 2016, 11:37</li> <li>• Due Date: Fri Nov 11, 2016, 21:00</li> <li>• Completed Date: Fri Nov 11, 2016, 20:45</li> <li>• Completed: true</li> <li>• Category: Homework</li> </ul>
Test 5: Deleting the last task in the list (Zach Scott)	<p><b>Preconditions: Test 3 has passed</b></p> <p>Select the only task on the CSC216 list. Click on Tasks and select delete from the drop-down list</p> <p><b>Check Results</b></p>	<p>The table in the CSC216 table is now empty.</p>	<p>The table in the CSC216 table is now empty.</p>
Test 6: Saving and opening a data file (Justin Schwab)	<p><b>Preconditions: Tests 3 &amp; 4 have passed</b></p> <p>Re-run Tests 3 &amp; 4 if CSC216 is empty Select File -&gt; Save File Save file as “test-files/homeworkList.tdl” Close program Re-run program Select File -&gt; Open File Select “test-files/homeworkList.tdl”</p>	<p>The task is highlighted on the table and its information is available in the panel below for editing</p> <p>The Task has been updated in the table and now displays the following information:</p>	<p>The task is highlighted on the table and its information is available in the panel below for editing</p> <p>The Task has been updated in the table and now displays the following information:</p>

	Click OK Check results	<ul style="list-style-type: none"> <li>• ID: TL1_T1</li> <li>• Title: P3P1</li> <li>• Start Date: Thu Nov 10, 2016, 11:37</li> <li>• Due Date: Fri Nov 11, 2016, 21:00</li> <li>• Completed Date: Fri Nov 11, 2016, 20:45</li> <li>• Completed: true</li> </ul> Category: Homework	<ul style="list-style-type: none"> <li>• ID: TL1_T1</li> <li>• Title: P3P1</li> <li>• Start Date: Thu Nov 10, 2016, 11:37</li> <li>• Due Date: Fri Nov 11, 2016, 21:00</li> <li>• Completed Date: Fri Nov 11, 2016, 20:45</li> <li>• Completed: true</li> </ul> Category: Homework
--	---------------------------	--	--

---

#### Document Revision History

Date	Author	Change Description
11/11/16	Zach Scott	<ul style="list-style-type: none"> <li>• Created Document</li> </ul>
12/1/16	Justin Schwab	<ul style="list-style-type: none"> <li>• Ran the test cases against out program</li> </ul>