

Turn Taker Black Box Test Plan

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Introduction

The Turn Taker System is a program to keep track of people and their turns to make decisions on certain activities. The black box test plan describes tests for reading in an md file, adding a turn activity, adding multiple turn takers, moving one of the turn takers, and having a person take a turn.

To run the tests:

- 1: Right click on the TurnTakerTracker class in the package explorer
- 2: Select Run As > Java Application

The user interface will load automatically

All test files are located in the test-files/folder. The contents of the files are described in the Required Files Section.

Test ID	Description	Expected Results	Actual Results
Test 1: Load Test File (atzepeda)	Preconditions: The file turn_activies.md does exist and contains the contents specified in the Required Files section below Run <i>Turn Taker</i> Click File Click Load In the file browser, select: <i>test-files</i> Then select: <i>turn_activities.md</i> Click Select <i>Check results</i>	3 turn activities are displayed. The first activity being "Dinner Out" with 5 turn takers. The second activity being "Ice Cream" with 4 turn takers. And the final activity being "Movie Night" with 5 turn takers.	3 turn activities are displayed. The first activity being "Dinner Out" with 5 turn takers. The second activity being "Ice Cream" with 4 turn takers. And the final activity being "Movie Night" with 5 turn takers.
Test 2: Add turn activity (atzepeda)	Preconditions: none Run <i>Turn Taker</i> Click Add Turn Activity Type in " Laundry " for name and " Whose turn to do laundry? " as description. Click Add Type in " Brian " for name of Turn Taker. Click OK	Activity added to list. "Laundry" displayed in "Turn Activities" section of GUI. Both turn takers displayed in "Turn Order" section of GUI. Displayed in the same order they were added (Brian, Jared).	Activity added to list. "Laundry" displayed in "Turn Activities" section of GUI. Both turn takers displayed in "Turn Order" section of GUI. Displayed in the same order they were added (Brian, Jared).

	Click Add again Type in "Jared" for name of Turn Taker Click OK Click Add Turn Activity <i>Check Results</i>		
Test 3: Move Turn Taker up (atzepeda)	Preconditions: Test 2 passed Click "Jared" Click "Move Up" <i>Check Results</i>	Jared now displayed above Brian in the Turn Taker list.	Jared now displayed above Brian in the Turn Taker list.
Test 4: Take Turn (atzepeda)	Preconditions: Test 2 and 3 passed Click "Laundry" in "Turn Activities" section of GUI Click "Take Turn" <i>Check Results</i>	Jared now displayed at bottom of list with a "1" displayed in the "turns taken" column.	Jared now displayed at bottom of list with a "1" displayed in the "turns taken" column.
Test 5: Remove Activity (atzepeda)	Preconditions: Test 2 – 4 passed Click "Laundry" Click Remove Turn Activity <i>Check Results</i>	Dialog displayed with the message: "A valid Turn Taker data file has at least one activity and each activity has at least two turn takers."	Dialog displayed with the message: "Invalid data operation. [S3] A valid Turn Taker data file has at least one activity and each activity has at least two turn takers."
Test 6: Load invalid file (wnwang, atzepeda)	Preconditions: none Right click on the TurnTakerGUI class from package explorer. Hover to Run As menu item, then click on Java Application. In the GUI, select <i>File -> Open File</i> from the menu bar. Browse and open <i>Invalid_list</i> <i>[check result]</i>	An error dialog opens and displays the message "Error opening file".	An error dialog opens and displays the message "Error opening file".
Test 7: Remove turn activity when no activity selected (wnwang)	Preconditions: Test 6 had passed Continued from the previous test case, close the error dialog. The GUI should have no items from the Turn Activities panel with all field of Turn Activity Details should be empty. Click <i>Remove Turn Activity</i> from the east of the Turn Activities panel. <i>[check result]</i>	An error dialog is shown with the message "No activity selected".	An error dialog is shown with the message "No activity selected".
Test 8: Add turn activity (wnwang)	Preconditions: Test 1 had passed Continued after the first test case had passed, click Add Turn Activity button on the east of the Turn Activity panel. An isolated	On the first check result, an error dialog is shown with the message "Activity name must be unique".	On the first check result, an error dialog is shown with the message "Activity name must be unique".

	<p>Add Turn Activity panel should show up. In the text input field on the right of label Turn Activity Name, typed "Dinner Out". In the Turn Activity Description, type "Activity Description". In the Turn Takers sub panel, click the Add button to add three turn takers. Click Add Turn Activity.</p> <p><i>[check result]</i></p>		
<p>Test 9: Exit application with unsaved modification (wnwang)</p>	<p>Preconditions: Test 1 and 2 had passed</p> <p>After the fourth test case had passed, clicks <i>File -> Quit</i> from the <i>File</i> menu item to exit the program.</p> <p><i>[check result]</i></p>	<p>Since the current data file has changed since the file was opened, a prompted dialog will appear to save the file changes.</p>	<p>Since the current data file has changed since the file was opened, a prompted dialog will appear to save the file changes.</p>
<p>Test 10: Exit application and save data (atzepeda)</p>	<p>Preconditions: Test 1, 2, and 9 had passed</p> <p>Type <i>new_turn_list</i> in the 'File Name' field</p> <p>Click Save</p> <p><i>[Check test-files folder]</i></p>	<p>File <i>new_turn_list.md</i> should be in the <i>test-files</i> folder with the data in the file displayed with the proper format</p>	<p>File <i>new_turn_list.md</i> should be in the <i>test-files</i> folder with the data in the file displayed with the proper format</p>

Required Files:

turn_activites.md:

Dinner Out

Who gets to choose where we go out for dinner?

```
* Mary 3
* Sue 4
* Bob 3
* Alex 2
* Brittany 0
```

Ice Cream

Who chooses the next ice cream flavor?

```
* Heckman Kid 15
* Heckman Kid 26
* Heckman Mom 3
* Heckman Dad 7
```

Movie Night

Who chooses what we watch for movie night?

```
* Maureen 0
* Mark 0
* Jeff 0
* Cecily 0
* Larry 0
```

Invalid_list.md:

Whose turn to do laundry?
Brian 0
* Jared 0

Document Revision History

Date	Author	Change Description
4/20/2018	Atzepeda	<ul style="list-style-type: none">Combined our BBTP, removed/modified overlapping tests, tested out program, filled in results