

<ScrumBacklog> Black Box Test Plan

Document Author: Brian Morris, Walker Booth

Date: March 31, 2017

Introduction

This test plan ensures that the ScrumBacklog program appropriately handles and maintains a task list. This includes adding a task to a list, deleting a task from a list, rejecting a task, claiming a task, filtering the list by creator, filtering the list by owner, and creating a new task list.

The program is launched by running the ScrumBacklogGUI class as a java application.

| Test ID | Description | Expected Results | Actual Results | | | | | | | | | | | | |
|--|---|---|--|------------|------------|---|---------|-----------|---|---------|------------|------------|---|---------|-----------|
| Test 1: Add Task Authors: Brian Morris Walker Booth | <p>Preconditions: ScrumBacklogGUI has been run as a java application and the GUI has loaded.</p> <p>Click: Add New Task</p> <p>Task Title: Simulator Task Type: Feature Task Creator: bcmorri3 Task Notes: The Simulator class constructs the shopping cart simulation environment.</p> <p>Click: Add Task to Backlog</p> <p><i>Check Results</i></p> <p>Close GUI window.</p> | <p>A task list containing the following tasks is displayed:</p> <table><thead><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr></thead><tbody><tr><td>1</td><td>Backlog</td><td>Simulator</td></tr></tbody></table> | Task ID | Task State | Task Title | 1 | Backlog | Simulator | <p>A task list containing the following tasks is displayed:</p> <table><thead><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr></thead><tbody><tr><td>1</td><td>Backlog</td><td>Simulator</td></tr></tbody></table> | Task ID | Task State | Task Title | 1 | Backlog | Simulator |
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| 1 | Backlog | Simulator | | | | | | | | | | | | | |
| Test 2: Remove Task Authors: Brian Morris Walker Booth | <p>Preconditions: ScrumBacklogGUI has been run as a java application and the GUI has loaded. Test condition 1 has passed.</p> <p>Select task 1.</p> <p>Click: Delete Selected Task</p> <p><i>Check Results</i></p> <p>Close GUI window.</p> | <p>A blank task list is now displayed.</p> | <p>A blank task list is now displayed.</p> | | | | | | | | | | | | |
| Test 3: New Task List Authors: Brian Morris Walker Booth | <p>Preconditions: ScrumBacklogGUI has been run as a java application and the GUI has loaded. Test condition 1 has passed.</p> <p>Click: File > New</p> <p><i>Check Results</i></p> | <p>A blank task list is now displayed.</p> | <p>A blank task list is now displayed.</p> | | | | | | | | | | | | |

| | Close GUI window. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|---------|------------|------------|---|----------|-----------|--|---------|------------|------------|------------|------------|-----------|---------|-----------|--|---------|------------|------------|---|---------|-----------|---|---------|-----|---------|------------|------------|---|---------|-----------|
| Test 4: Reject Task Authors: Brian Morris Walker Booth | <p>Preconditions: ScrumBacklogGUI has been run as a java application and the GUI has loaded. Test condition 1 has passed.</p> <p>Select task 1.</p> <p>Click: Edit Selected Task Owner: wgbooth Note Text: This is a test. Click: Reject Task <i>Check Results</i></p> <p>Close GUI window.</p> | <p>A task list containing the following tasks is displayed:</p> <table><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr><tr><td>1</td><td>Rejected</td><td>Simulator</td></tr></table> | Task ID | Task State | Task Title | 1 | Rejected | Simulator | <p>A task list containing the following tasks is displayed:</p> <table><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr><tr><td>1</td><td>Rejected</td><td>Simulator</td></tr></table> | Task ID | Task State | Task Title | 1 | Rejected | Simulator | | | | | | | | | | | | | | | | | | |
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| Test 5: Filter Task List by Creator Authors: Brian Morris Walker Booth | <p>Preconditions: ScrumBacklogGUI has been run as a java application and the GUI has loaded.</p> <p>Click: Add New Task</p> <p>Task Title: Simulator Task Type: Feature Task Creator: bcmorri3 Task Notes: The Simulator class constructs the shopping cart simulation environment.</p> <p>Click: Add Task to Backlog</p> <p>Click: Add New Task</p> <p>Task Title: Log Task Type: Feature Task Creator: wgbooth Task Notes: The Log class maintains the wait times and process times of all shopping carts in the simulation and calculates their averages.</p> <p>Click: Add Task to Backlog</p> <p><i>Check Results</i></p> <p>Task Search (Creator Field): bcmorri3</p> <p>Click: Filter List by Creator</p> <p><i>Check Results</i></p> <p>Close GUI window.</p> | <p>A task list containing the following tasks is displayed:</p> <table><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr><tr><td>1</td><td>Backlog</td><td>Simulator</td></tr><tr><td>2</td><td>Backlog</td><td>Log</td></tr></table> <p>A task list containing the following tasks is displayed:</p> <table><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr><tr><td>1</td><td>Backlog</td><td>Simulator</td></tr></table> | Task ID | Task State | Task Title | 1 | Backlog | Simulator | 2 | Backlog | Log | Task ID | Task State | Task Title | 1 | Backlog | Simulator | <p>A task list containing the following tasks is displayed:</p> <table><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr><tr><td>1</td><td>Backlog</td><td>Simulator</td></tr><tr><td>2</td><td>Backlog</td><td>Log</td></tr></table> <p>A task list containing the following tasks is displayed:</p> <table><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr><tr><td>1</td><td>Backlog</td><td>Simulator</td></tr></table> | Task ID | Task State | Task Title | 1 | Backlog | Simulator | 2 | Backlog | Log | Task ID | Task State | Task Title | 1 | Backlog | Simulator |
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| 1 | Backlog | Simulator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| <p>Test 6:</p> <p>Claim Task</p> <p>Brian Morris Walker Booth</p> | <p>Preconditions: ScrumBacklogGUI has been run as a java application and the GUI has loaded. Test condition 1 has passed.</p> <p>Select task 1.</p> <p>Click: Edit Selected Task Owner: wgbooth Note Text: This is a test. Click: Claim Task</p> <p><i>Check Results</i></p> <p>Close GUI window.</p> | <p>A task list containing the following tasks is displayed:</p> <table><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr><tr><td>1</td><td>Owned</td><td>Simulator</td></tr></table> | Task ID | Task State | Task Title | 1 | Owned | Simulator | <p>A task list containing the following tasks is displayed:</p> <table><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr><tr><td>1</td><td>Owned</td><td>Simulator</td></tr></table> | Task ID | Task State | Task Title | 1 | Owned | Simulator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>Test 7:</p> <p>Filter Task List by Owner</p> <p>Authors: Brian Morris Walker Booth</p> | <p>Preconditions: ScrumBacklogGUI has been run as a java application and the GUI has loaded.</p> <p>Click: Add New Task</p> <p>Task Title: Simulator Task Type: Feature Task Creator: bcmorri3 Task Notes: The Simulator class constructs the shopping cart simulation environment.</p> <p>Click: Add Task to Backlog</p> <p>Click: Add New Task</p> <p>Task Title: Log Task Type: Feature Task Creator: wgbooth Task Notes: The Log class maintains the wait times and process times of all shopping carts in the simulation and calculates their averages.</p> <p>Click: Add Task to Backlog</p> <p><i>Check Results</i></p> <p>Select task 1.</p> <p>Click: Edit Selected Task Owner: wgbooth Note Text: This is a test. Click: Claim Task</p> <p><i>Check Results</i></p> <p>Task Search (Owner Field): wgbooth</p> <p>Click: Filter List by Owner</p> | <p>A task list containing the following tasks is displayed:</p> <table><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr><tr><td>1</td><td>Backlog</td><td>Simulator</td></tr><tr><td>2</td><td>Backlog</td><td>Log</td></tr></table> <p>A task list containing the following tasks is displayed:</p> <table><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr><tr><td>1</td><td>Owned</td><td>Simulator</td></tr><tr><td>2</td><td>Backlog</td><td>Log</td></tr></table> <p>A task list containing the following tasks is displayed:</p> <table><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr><tr><td>1</td><td>Owned</td><td>Simulator</td></tr></table> | Task ID | Task State | Task Title | 1 | Backlog | Simulator | 2 | Backlog | Log | Task ID | Task State | Task Title | 1 | Owned | Simulator | 2 | Backlog | Log | Task ID | Task State | Task Title | 1 | Owned | Simulator | <p>A task list containing the following tasks is displayed:</p> <table><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr><tr><td>1</td><td>Backlog</td><td>Simulator</td></tr><tr><td>2</td><td>Backlog</td><td>Log</td></tr></table> <p>A task list containing the following tasks is displayed:</p> <table><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr><tr><td>1</td><td>Owned</td><td>Simulator</td></tr><tr><td>2</td><td>Backlog</td><td>Log</td></tr></table> <p>A task list containing the following tasks is displayed:</p> <table><tr><th>Task ID</th><th>Task State</th><th>Task Title</th></tr><tr><td>1</td><td>Owned</td><td>Simulator</td></tr></table> | Task ID | Task State | Task Title | 1 | Backlog | Simulator | 2 | Backlog | Log | Task ID | Task State | Task Title | 1 | Owned | Simulator | 2 | Backlog | Log | Task ID | Task State | Task Title | 1 | Owned | Simulator |
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| | <i>Check Results</i> Close GUI window. | | |
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Document Revision History

| Date | Author | Change Description |
|-----------------------|-------------------------------|--|
| March 17, 2017 | Brian Morris, Walker Booth | <ul style="list-style-type: none">Added 5 test cases. |
| March 31, 2017 | Brian Morris, Walker Booth | <ul style="list-style-type: none">Added 2 additional test cases, reported actual test results. |