

Project 2 Black Box Test Plan

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Introduction

This black box test plan is created to test Scrum Backlog application. There are 13 system level tests.
To run tests:

1. Right click on ScrumBacklogGUI -> Run as Java Application

Once the application is run through the GUI, a panel appears. This panel is the initial backlog state through which new tasks will be created. The exact description of the state is described below. Thus after the initial state, other states will have their panels with their options which will represent the progression of tasks in the project where scrum is used.

The blackbox test plan represents the initial startup phase of the program. It checks the add, load, and save methods. It also deals with adding and deleting a task.

Test ID	Description	Expected Results	Actual Results
Test 1: saveemptyfile	Preconditions: GUI opened Make sure no file is loaded! Select save file option (in File). Click save	Save option should not be available. Cannot save file if it's empty. Returned to ScrumBacklog application.	Save option should not be available. Cannot save file if it's empty. Returned to ScrumBacklog application.
Test 2: nullTaskTitle	Preconditions: GUI opened and no file is loaded. Click Add New Task Enter the following in the New Task Information section: <ul style="list-style-type: none">• Task Title: (don't enter anything)• Task Type: select option "Feature"• Task Creator: jep• Task Notes: "This is test 2" Click Add Task to Backlog Click Ok	Pop up with message "Invalid task information." Returned to New Task Information	Pop up with message "Invalid task information." Returned to New Task Information

Test 3: nullTaskCreator	<p>Preconditions: Test 2 passed</p> <p>Click Add New Task Enter the following in the New Task Information section:</p> <ul style="list-style-type: none"> Task Title: Test 3 Task Type: select option "Feature" Task Creator: (don't enter anything) Task Notes: "This is test 3" <p>Click Add Task to Backlog</p> <p>Click Ok</p>	<p>Pop up with message "Invalid task information."</p> <p>Returned to Add task window</p>	<p>Pop up with message "Invalid task information."</p> <p>Returned to Add task window</p>
Test 4: nullTaskNote	<p>Preconditions: Test 2 and 3 passed</p> <p>Click Add New Task Enter the following in the New Task Information section:</p> <ul style="list-style-type: none"> Task Title: Test 4 Task Type: select option "Feature" Task Creator: jep Task Notes: (don't enter anything here) – clear anything you've had here from last tests <p>Click Add Task to Backlog</p> <p>Click Ok</p>	<p>Pop up with message "Invalid task information."</p> <p>Returned to Add task window</p>	<p>Pop up with message "Invalid task information."</p> <p>Returned to Add task window</p>
Test 5: addValidTask	<p>Preconditions: Previous tests have passed</p> <p>Click Add New Task Enter the following in the New Task Information section:</p> <ul style="list-style-type: none"> Task Title: Test 5 Task Type: select option "Bugs" Task Creator: jep Task Notes: "There's a problem with the code – fix it." <p>Click Add Task to Backlog</p>	<p>Task is successfully added to main backlog. The following information should be displayed in the Task List. Task ID: 1 Task State: Backlog Task Title: Test 5</p>	<p>Task is successfully added to main backlog. The following information should be displayed in the Task List. Task ID: 1 Task State: Backlog Task Title: Test 5</p>
Test 6: editUnselectedTask	<p>Preconditions: Test 5 passed</p> <p>Make sure no task is selected!</p> <p>Click Edit Selected Task</p>	<p>Pop up with message "No task selected."</p> <p>Returned to Task list without any changes</p>	<p>Pop up with message "No task selected."</p> <p>Returned to Task list without any changes</p>

	Click Ok		
Test 7: Checks correct Task Info	<p>Preconditions: Test 6 passed</p> <p>Select Task ID 1 Click Edit Selected Task</p> <p><i>Task Editing Window opens for that task</i></p> <p>Click Cancel</p>	<p>The following information is displayed in the Task Information section</p> <ul style="list-style-type: none"> Task Title: Test 6 Task Id: 1 Task State: Backlog Creator: jep Owner: (blank) Task Type: Bugs <p>In Notes section, the following is displayed</p> <ul style="list-style-type: none"> Note Author: jep Note Text: There's a problem with the code – fix it. <p>Returned to main backlog window</p>	<p>The following information is displayed in the Task Information section</p> <ul style="list-style-type: none"> Task Title: Test 6 Task Id: 1 Task State: Backlog Creator: jep Owner: (blank) Task Type: Bugs <p>In Notes section, the following is displayed</p> <ul style="list-style-type: none"> Note Author: jep Note Text: There's a problem with the code – fix it. <p>Returned to main backlog window</p>
Test 8: emptyTaskOwnerId	<p>Preconditions: Test 6 and 7 passed</p> <p>In Edit Task section enter the following,</p> <ul style="list-style-type: none"> Owner: (leave this blank) Notes Text: "Adding a note" <p>Click Claim Task</p> <p>Click Ok</p>	<p>Pop up with message "Invalid owner id"</p> <p>Returns to backlog state UI to enter owner id.</p>	<p>Pop up with message "Invalid owner id"</p> <p>Returns back to Task Information to enter owner id.</p>
Test 9: successfulTaskEdit	<p>Preconditions: Test 8 passed</p> <p>In Edit Task section enter the following,</p> <ul style="list-style-type: none"> Owner: hsnelakk Notes Text: New edit <p>Click Claim Task</p>	<p>Returned to main backlog task list window.</p> <p>The task ID 1 has a changed state to Owned state. Task ID and Task Title has not changed.</p>	<p>Returned to main backlog task list window.</p> <p>The task ID 1 has a changed state to Owned state. Task ID and Task Title has not changed.</p>

Document Revision History

Date	Author	Change Description
03/15/3017	Hiruni Nelakkutti and Islahudding Arshad	<ul style="list-style-type: none">6 invalid tests and 3 valid tests