ProductBacklog System Test Plan

Document Author: Riya Gunda
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Introduction

This document contains the system tests for the ProductBacklog system. The following system tests will check and validate the functions of different methods and classes working together to meet the system requirements.

Test Files

tasks1.txt

Shopping Cart Simulation
* 1,Backlog,Express Carts,F,jep,unowned,false
- [Backlog] Express carts always choose the shortest line. If there are multiple shortest lines, an express cart chooses the one with the smallest index.
* 2,Owned,Regular Carts,F,jep,sesmith5,false
- [Backlog] Regular carts always choose the shortest line excluding the express register line (at index 0). If there are multiple shortest lines, a regular cart chooses one with the smallest index.
- [Owned] Adding to sesmith5 backlog.
* 3,Processing,Java Swing,KA,sesmith5,sesmith5,false
- [Backlog] Learn more about Swing to debug GUI.
- [Owned] Adding to sesmith5 backlog.
- [Processing] Found Swing tutorials at http://docs.oracle.com/javase/tutorial/uiswing/start/.
* 5,Verifying,Calculating Wait Time,B,jdyoung2,sesmith5,false
- [Backlog] Special carts are failing system tests associated with wait time.
- [Owned] Adding to sesmith5 backlog.
- [Processing] Replicated failure locally in unit test.
- [Verifying] Implementation complete. Requires peer inspection.
* 8,Done,Special Carts,F,jep,sesmith5,true
- [Backlog] Special carts always choose the shortest special register line.
If there are multiple shortest special register lines, a special cart
chooses one with the smallest index.
- [Owned] Adding to sesmith5 backlog.
- [Processing] Created hierarchy to prepare for other cart types.
- [Verifying] Implementation complete. Requires peer inspection.
- [Done] No problems found during inspection.
* 10,Rejected,Flatbed carts,F,jep,unowned,false
- [Backlog] Add flatbed carts to simulation.
- [Owned] Rejected. Flatbed carts won't fit through physical register stations.
WolfScheduler
* 2,Rejected,Weekly Repeat,F,sesmith5,unowned,false
- [Backlog] Events should have a weekly repeat of every 1, 2, 3, or 4 weeks.

- [Owned] Weekly repeat is unnecessary when creating ideal week.
* 5,Backlog,Add Event,F,sesmith5,unowned,false
- [Backlog] Users can create events to identify places during their week where they have scheduled activities other than class.
* 6,Done,Add Course,F,sesmith5,jctetter,true
- [Backlog] Users can add courses to their schedule.
- [Owned] Assigning to jctetter.
- [Processing] Creating Course class.
- [Processing] Adding error checking on course name.
- [Processing] Adding tests for Course.
- [Verifying] Request peer review.
- [Done] Updates meet requirements and test pass.

System Tests

Test ID	Description	Expected Results	Actual Results
Test 1: Loading data from a valid file	Preconditions: None 1. Run ProductBacklogGUI. 2. User clicks on the 'File' button and then 'Load'. 3. In the file chooser pop-up select valid_file.txt 4. Click 'Select' 5. Check results 6. Close GUI	• ProductBacklogGUI loads • Current Product drop down list contains: - Shopping Cart Simulation - WolfScheduler • Tasks under the Shopping Cart Simulation product are: - 1, Backlog, Feature, Express Carts - 2, Owned, Feature, Regular Carts - 3, Processing, Knowledge Acquisition, Java Swing - 5, Verifying, Bug, Calculating Wait Time - 8, Done, Feature, Special Carts - 10, Rejected, Feature, Flatbed carts	• ProductBacklogGUI loads • Current Product drop down list contains: - Shopping Cart Simulation - WolfScheduler • Tasks under the Shopping Cart Simulation product are: - 1, Backlog, Feature, Express Carts - 2, Owned, Feature, Regular Carts - 3, Processing, Knowledge Acquisition, Java Swing - 5, Verifying, Bug, Calculating Wait Time - 8, Done, Feature, Special Carts - 10, Rejected, Feature, Flatbed carts • Tasks under the WolfScheduler product are: - 2, Rejected, Feature, Weekly Repeat - 5, Backlog, Feature, Add Event - 6, Done, Feature, Add Course

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Test 2: Creating an invalid product	Preconditions: Test 1 passes 1. Run ProductBacklogGUI. 2. User clicks on the 'Add product' button 3. In the 'Create New Product' pop-up dialog, enter 'Shopping Cart Simulation' 4. Click OK 5. Check results 6. Close GUI	A pop-up dialog with the message "Invalid product name." appears.	A pop-up dialog with the message "Invalid product name." appears.
Test 3: Trying to create an invalid task	Preconditions: Test 1 passes 1. Run ProductBacklogGUI 2. User clicks on the 'Add task' button 3. Enter the following details: Product: Shopper Title: Task Type: Feature	A pop-up dialog with the message "Task cannot be created." appears	A pop-up dialog with the message "Task cannot be created." appears

	Task Creator: Riya Gunda Task Notes: 4. Click 'Add Task to Backlog' 5. Check results 6. Close GUI		
Test 4: Editing a product correctly	Preconditions: Test 1 passes 1. Run ProductBacklogGUI 2. Select the WolfScheduler produce and click 'Edit Product' 3. Enter 'My product' in the name section 4. Click 'Edit' button 5. Check results 6. Close GUI	Current Product drop down list consists of: • Shopping Cart Simulation • My product	
Test 5: Deleting a task without selecting one	Preconditions: Test 1 passes 1. Run ProductBacklogGUI 2. Make sure none of the tasks in the current product are selected, if they are, close and restart the GUI. 3. Click the 'Delete Task' button 4. Check results 5. Close GUI	A pop-up dialog with the message "No task is selected." appears.	A pop-up dialog with the message "No task is selected." appears.
Test 6: Savin	Preconditions: Tests 1 and 4 pass	The content on the GUI stays the same as it was in test 4.	The content on the GUI stays the same as it was in test 4.

| g the changes made into a file | 1. Run ProductBacklogGUI
2. Click on 'Load' and then 'Save' on the drop down menu that pops up.
3. Select the file testerFile.txt inside your test-files folder
4. Press ok
5. Check results
6. Close GUI | The contents of the testerFile.txt are as follows:
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