Requirements Manager System Test Plan

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Introduction

Provide a brief overview of your system test plan. Describe how you would start your application.

Program is ran inside eclipse. Right click the RequirementsManagerGUI class and run as java application

Test ID	Description	Expected Results	Actual Results
1 testOpenGUI	**Preconditions: GUI Running** 1) Right click RequirementsManagerGUI class in eclipse and click run as java application.	GUI window opens with no current project selected or any stories shown.	GUI window successfully opens with grayed out buttons.
2 testCreateProject	**Preconditions: GUI Running** 1) Click button that says file in the top left of GUI and then click new from the drop down menu. 2) Enter project title "My Fun Project" and click submit	"My fun project" should be selected in the top pane and buttons around that area should no longer be grayed out.	My fun project is the currently selected project. Buttons become clickable rather than being grayed out.
3 testLoadProjectsFromFile	**Preconditions: GUI Running** 1) Click button that says file in the top left of the GUI and then click load from the drop down menu 2) Load test-files/project2.txt	WolfScheduler project should be selected with six stories. Clicking the drop down menu in the top should also show a project named PackScheduler which should contain a single story.	WolfScheduler successfully appears with 6 stories. PackScheduler is selectable in the top and shows one story after the update project button is clicked.
4 testDeleteUserStory	**Preconditions: GUI Running, T3** 1) **Select the first listed project (index 0) and click the delete button.**	Story with an index of 1 is now at the top of the list and every other story remains in the same order as before.	Load Catalog story is removed, now the first story present is Select Course (index 1).
5 testAddStory	**Preconditions: GUI Running, T2** 1) Click add user story button. Enter the following: Title: title As a: user I want to: action so I can: value 2) Click the add story button	Story should be added. Index is zero, state is Submitted, title is title, and developer is empty.	Story is added in the submitted state with index of zero. Title is "title" and developer field is empty.
6 testStorySubmittedToBacklog	**Preconditions: GUI Running, T2, T5** 1) Select story and click the edit user story button.	Stories state is updated to Backlog. Clicking edit story again reveals the priority is Medium.	Story is placed into the backlog state with a priority of Medium.

	2) Use the first drop down menu to select a priority of Medium, and click Accept.		
7 testStory BacklogTo Submitted	**Preconditions: GUI Running, T2, T5, T6** 1) Select story and click the edit user story button 2) Enter a developer ID of jrpowel9 and click assign	Story's state updated to Working. Developer is now listed as jrpowel9	Story is now listed as working and developer id was updated to jrpowel9
8 testStoryS ubmitted ToVerifyin g	**Preconditions: GUI Running, T2, T5, T6, T7** 1) Select story and click the edit user story button 2) Click the review button	Story state updated to verifying. Developer id and priority remain the same.	State updated to verifying. Developer id and priority remain the same.
9 testStory Veryfiying ToComple ted	**Preconditions: GUI Running, T2, T5, T6, T7, T8** 1) Select story and click the edit user story button 2) Click the confirm button	Story state is changed to Completed. Developer id and priority remain the same.	State updated to completed. Developer id and priority remain the same.
10 testStory Complete dToWorki ng	**Preconditions: GUI Running, T2, T5, T6, T7, T8, T9** 1) Select story and click the edit user story button 2) Click Reopen button	Story state is changed to Working. Developer ID remains the same.	Story state is changed to working and developer id and priority remain the same.
11 testStory WorkingT oBacklog	**Preconditions: GUI Running, T2, T5, T6, T7, T8, T9, T10** 1) Select story and click the edit user story button 2) Click reopen button	Story state is changed to backlog. Clicking edit story shows developer id field is now empty.	Story state is changed to the backlog and developer id field becomes empty.
12 testStory WorkingT oRejected	**Preconditions: GUI Running, T2, T5, T6, T7, T8, T9, T10** 1) Select story and click the edit user story button 2) Change rejection reason to Inappropriate and click reject.	Selecting the story and clicking edit user story reveals that the story is in the rejected state and rejection reason is Inappropriate. Only action possible is resubmit.	Story state is changed to rejected and developer id and priority fields become empty.
13 testStory BacklogTo Rejected	**Preconditions: GUI Running, T2, T5, T6, T7, T8, T9, T10, T11** 1) Select story and click the edit user story button 2) Change rejection reason to Infeasible and click reject.	Selecting the story and clicking edit user story reveals that the story is in the rejected state and rejection reason is Infeasible. Only action possible is resubmit.	Story state is changed to rejected and the priority field becomes empty.
14 testWrite ProjectTo File	**Preconditions: GUI Running, T13** 1) Click file button in the top left of the GUI and click save. 2) Save file to test-files/actual.txt 3) Confirm results	# My fun project * 0,Rejected,title,Infeasible - user - action - value	# My fun project * 0,Rejected,title,Infeasible - user - action - value
15 testCreat eProjectIn	**Preconditions: GUI Running** 1) Click file button in the top left of the	Error message: Invalid project title	Error message: Invalid project title

validProje ctTitle	GUI and click new 2) Attempt to create a project with an empty name		
testInvali dStoryTitl e	**Preconditions: GUI Running, T2** 1) Click add user story button. Enter the following: Title: title As a: user I want to: action so I can: value 2) Click the add story button	Error message: User Story cannot be created	Error message: User Story cannot be created
testInvali dUser	**Preconditions: GUI Running, T2** 1) Click add user story button. Enter the following: Title: title As a: user I want to: action so I can: value 2) Click the add story button	Error message: User Story cannot be created	Error message: User Story cannot be created
testInvali dAction	**Preconditions: GUI Running, T2** 1) Click add user story button. Enter the following: Title: title As a: user I want to: action so I can: value 2) Click the add story button	Error message: User Story cannot be created	Error message: User Story cannot be created
testInvali dValue	**Preconditions: GUI Running, T2** 1) Click add user story button. Enter the following: Title: title As a: user I want to: action so I can: value 2) Click the add story button	Error message: User Story cannot be created	Error message: User Story cannot be created

Document Revision History

Date	Author	Change Description
10-18-2022	Jeff Powell	● Created document and wrote tests