

WolfHire System Test Plan

Document Author: Benjamin Uy

Date: 2/15/23

Introduction

The WolfHire System Test Plan provides test cases that exercise several paths throughout the WolfHire requirements with a focus on more complex paths than just starting the WolfHire system or loading an invalid file.

To run the tests:

1. Right click on the WolfHireGUI class in the Package Explorer.
2. Select Run As > Java Application.

Test Files

single_position.txt

```
# CSC 216 PTF,12,15
* 2,Submitted,Carol,Schmidt,cschmid,
* 3,Rejected,Kathleen,Gillespie,kgilles,,Incomplete
* 4,Hired,Fiona,Rosario,frosari,sesmith5,
* 7,Inactive,Deanna,Sanders,dsander,sesmith5,Completed
* 8,Interviewing,Benjamin,Nieves,bmnieves,sesmith5,
* 11,Processing,Quemby,Mullen,qmullen,sesmith5,
```

multiple_positions.txt

```
# CSC 116 Grader,10,11
* 1,Reviewing,Cailin,Roach,cvroach,tnmacnei
* 2,Rejected,Clinton,Armstrong,carmstr,,Qualifications
* 5,Hired,Craig,Armstrong,carmstr,tnmacnei,
* 7,Inactive,Audrey,Kemp,akemp,tnmacnei,Fired
* 25,Interviewing,Harper,Holden,hholden,tnmacnei,
* 3,Processing,Eagan,Cardenas,ecarden,tnmacnei
```

```

* 4,Processing,Ferdinand,Acevedo,faceved,tnmacnei
* 5,Inactive,Alika,Reilly,areilly,tnmacnei,Resigned
# CSC 216 PTF,12,15
* 2,Submitted,Carol,Schmidt,cschmid,
* 3,Rejected,Kathleen,Gillespie,kgilles,,Incomplete
* 4,Hired,Fiona,Rosario,frosari,sesmith5,
* 7,Inactive,Deanna,Sanders,dsander,sesmith5,Completed
* 8,Interviewing,Benjamin,Nieves,bmnieves,sesmith5,
* 11,Processing,Quemby,Mullen,qmullen,sesmith5,
# CSC 226 Grader,8,15
* 4,Submitted,Myra,Atkins,mlatkins,jdyoung2,
* 5,Hired,Karen,Mcguire,kamcguir,jdyoung2,
* 7,Interviewing,Dean,Wilder,dwilder,jdyoung2,
* 8,Inactive,Nehru,Contreras,ncontre,jdyoung2,Completed
# Research Assistant,15,16
* 7,Reviewing,Kerry,Tucker,kbtucker,tmbarnes,
* 3,Submitted,Inez,Koch,ikoch,,
```

System Tests

Write at least 5 tests. We will grade the first five. Your tests should consider more complex scenarios than basic system startup and an invalid test file.

Test ID	Description	Expected Results	Actual Results
Test 1: Create Invalid Positions (UC1)	<p>Preconditions: None</p> <ol style="list-style-type: none"> Run WolfHireGUI In the display menu, select the option to create a new position. Once the Add Position window of WolfHireGUI is displayed, input “Job” for Position Name, 4 for Hours per Week, and 16 for Pay Rate. Click Add Position <i>Check results</i> Click OK 	<p>Dialog box opens with the message “Position cannot be created.”</p>	<p>Dialog box with message “Position cannot be created.” is shown</p>

	<ol style="list-style-type: none"> 7. In the Add Position window, input “Job” for Position Name, 10 for Hours per Week, and 36 for Pay Rate. 8. Click Add Position 9. <i>Check results</i> 10. Close GUI 	<p>Dialog box opens with the message “Position cannot be created.”</p>	<p>Dialog box with message “Position cannot be created.” is shown</p>
Test 2: Load Position and Applications (UC2)	<p>Preconditions: None</p> <ol style="list-style-type: none"> 1. Run WolfHireGUI 2. In the display menu, select the option to load a position file. 3. In the file chooser, select single_position.txt and open. 4. <i>Check results</i> 5. Close GUI 	<p>The Position label that was “Position: Create a Position” is now “Position: CSC 216 PTF.” Additionally, the Active Position in the dropdown menu is CSC 216 PTF.</p> <p>The table is updated with application information in the order ID, State, Unity ID, Reviewer:</p> <ul style="list-style-type: none"> 2, Submitted, cschmid, “” 3, Rejected, kgilles, “” 4, Hired, frosari, sesmith5 7, Inactive, dsander, sesmith5 8, Interviewing, bmnieves, sesmith5 11, Processing, qmullen, sesmith5 	<p>The Position label is updated to “Position: CSC 216 PTF” and the Active Position is now CSC 216 PTF.</p> <p>The table is updated with the information in order of id, state, unity id, and reviewer. (There are six applications):</p> <ul style="list-style-type: none"> 2, Submitted, cschmid, “” 3, Rejected, kgilles, “” 4, Hired, frosari, sesmith5 7, Inactive, dsander, sesmith5 8, Interviewing, bmnieves, sesmith5 11, Processing, qmullen, sesmith5
Test 3: Add Application (UC7)	<p>Preconditions: Test 2 has passed up to and including Step 4. Do not close the GUI.</p> <ol style="list-style-type: none"> 1. In the display menu, click Add Application 2. <i>Check results</i> 3. Input “First” for First Name, “” for Surname, and “Third” for Unity Id. 4. Click Apply to Position 	<p>The display changes to show the Add Application section which includes labels for First Name, Surname, and Unity Id. There are two buttons below the labels which are: Apply to Position and Cancel.</p>	<p>The display in the Add Application section has the labels for First Name, Surname, and Unity Id. There are two buttons: Apply to Position and Cancel.</p>

	<ol style="list-style-type: none"> 5. <i>Check results</i> 6. Click OK 7. Input “First” for First Name, “Second” for Surname, and “third” for Unity Id. 8. Click Apply to Position 9. <i>Check results</i> 10. Close GUI 	<p>Dialog box opens with the message “Application cannot be created.”</p> <p>The table with application information in the order ID, State, Unity ID, Reviewer is mostly like Test 2. However, there is an additional row with the info:</p> <p>12, Submitted, third, “”</p>	<p>Dialog box with the message “Application cannot be created.” is shown.</p> <p>The table with application information is updated. It is mostly the same compared to Test 2, however, there is a row below the application with the id of 11. Its information is:</p> <p>12, Submitted, Third, “”</p>
Test 4: Select Active Position (UC5)	<p>Preconditions: None</p> <ol style="list-style-type: none"> 1. Run WolfHireGUI 2. In the display menu, select the option to load a position file. 3. In the file chooser, select multiple_position.txt and open. 4. <i>Check results</i> 5. In the display menu, for active position, select Research Assistant 6. <i>Check results</i> 7. Close GUI 	<p>The Position label that was is now “Position: CSC 116 Grader.” Additionally, the Active Position in the dropdown menu is CSC 216 PTF.</p> <p>The table is updated with application information in the order ID, State, Unity ID, Reviewer:</p> <p>1, Reviewing, cvroach, tnmacnei 2, Rejected, carmstr, “” 3, Processing, ecarden, tnmacnei 4, Processing, faceved, tnmacnei 5, Hired, carmstr, tnmacnei 7, Inactive, akemp, tnmacnei 25, Interviewing, hholden, tnmacnei</p> <p>The Position label is now “Position: Research Assistant”</p> <p>The table now displays:</p> <p>3, Submitted, ikoch, “” 7, Reviewing, kbtucker, tmbarnes</p>	<p>The Position label is now “Position: CSC 116 Grader.” The Active Position in the dropdown menu also reflects this.</p> <p>The table is updated with the application information in the order id, state, unity id, reviewer:</p> <p>1, Reviewing, cvroach, tnmacnei 2, Rejected, carmstr, “” 3, Processing, ecarden, tnmacnei 4, Processing, faceved, tnmacnei 5, Hired, carmstr, tnmacnei 7, Inactive, akemp, tnmacnei 25, Interviewing, hholden, tnmacnei</p> <p>The Position label is now “Position: Research Assistant” and the table now displays:</p> <p>3, Submitted, ikoch, “” 7, Reviewing, kbtucker, tmbarnes</p>

Test 5: Edit Application in Hired State (UC16)	<p>Preconditions: Test 2 has passed up to and including Step 4. Do not close the GUI.</p> <ol style="list-style-type: none"> 1. Make sure no application was selected/highlighted. Click Edit Application. 2. <i>Check results.</i> 3. Click OK 4. Select the first application (2, Submitted, cschmid, "") 5. Click Edit Application button. 6. <i>Check results.</i> 7. Input “unity” into the box for Reviewer Id and click Assign. 8. <i>Check results.</i> 9. Close GUI. 	<p>A dialog box displays with the message “No application selected.”</p> <p>A window opens to edit CSC 216 PTF – Application #2. The State of the application is Submitted, and the First Name, Surname, and Unity Id are: Carol, Schmidt, cshmid, respectively. The rest of the boxes are empty.</p> <p>The information in the display table is the same with the exception that Application #2 is in the Reviewing state with the reviewer id of “unity”.</p>	<p>A dialog box with the message “No application selected” is shown.</p> <p>The display shows an editor for CSC 216 PTF – Application #2. The state of the application is Submitted, and the first name, surname, and unity id are: Carol, Schmidt, cshmid, respectively. Reviewer Id and note are left empty.</p> <p>The information in the table of applications reflects this change as Application #2 Is in the reviewing state with a reviewer of “unity.”</p>
--	---	---	---