

WolfHire System Test Plan

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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
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* 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, ,

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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"> 1. Run WolfHireGUI 2. In the display menu, select the option to create a new position. 3. Once the Add Position window of WolfHireGUI is displayed, input “Job” for Position Name, 4 for Hours per Week, and 16 for Pay Rate. 4. Click Add Position 5. <i>Check results</i> 6. Click OK 	Dialog box opens with the message “Position cannot be created.”	Dialog box with message “Position cannot be created.” is shown

	<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 	Dialog box opens with the message “Position cannot be created.”	Dialog box with message “Position cannot be created.” is shown
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> <p>2, Submitted, cschmid, "" 3, Rejected, kgilles, "" 4, Hired, frosari, sesmith5 7, Inactive, dsander, sesmith5 8, Interviewing, bmnieves, sesmith5 11, Processing, qmullen, sesmith5</p>	<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> <p>2, Submitted, cschmid, "" 3, Rejected, kgilles, "" 4, Hired, frosari, sesmith5 7, Inactive, dsander, sesmith5 8, Interviewing, bmnieves, sesmith5 11, Processing, qmullen, sesmith5</p>
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 	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.	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.

	<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: 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: 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: 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” The table now displays: 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: 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: 3, Submitted, ikoch, “” 7, Reviewing, kbtucker, tmbarnes</p>

<p>Test 5: Edit Application in Hired State (UC16)</p>	<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, cschmid, 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>
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