

## ServiceWolf System Test Plan

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### Introduction

ServiceWolf System Test Plan Execution Information

To run the tests:

Right click on wolfServiceGUI class in the Package Explorer.

Select Run As > Java Application

The FileChooser for the service Group will load automatically.

All tests files are located in the test-files/ folder and the contents of the files used in testing are below:

### Valid Records

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An example valid file would be:

```
# CSC IT
* 2,Canceled,Piazza,sesmith5,0,Unowned,Not an Incident
- Set up piazza for Spring 2021
- Canceled; not an NC State IT service
* 3,New,Moodle down,sesmith5,0,Unowned,No Status
- When I go to wolftware.ncsu.edu, I get a 500 error
* 4,Resolved,Set up Jenkins VMs,sesmith5,1,cgurley,Permanently Solved
- Please set up Jenkins VMs for Spring 2021 semester.
- Assigned to C. Gurley
- Set up test VM. Awaiting verification from caller.
```

- VM works great, please deploy the rest.
- VMs deployed. Marked resolved.
- One of the VMs has the wrong version of Checkstyle installed.
- Updated version of Checkstyle.

\* 9, In Progress, Jenkins behind firewall, sesmith5, 0, cgurley, No Status

- Jenkins requires VPN to access. Please open to general access.
- Assigned to C. Gurley

# ITECS

\* 7, On Hold, Java not installed correctly, zmgrosec, 0, itecs1, Awaiting Caller

- I can't install Java on my computer.
- Assigned to itecs1
- Awaiting caller's feedback on attempting to install Java from Oracle

# OIT

\* 1, In Progress, Forgot password, jctetter, 0, oit\_staff, No Status

- I forgot my password and can't log into NC State accounts
- OIT staff member on call with support

Test ID	Description	Expected Results	Actual Results
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Test 1:  Valid File (UC-1)	<p><b>Preconditions:</b></p> <p>Preconditions: None</p> <p>1.Run WolfServiceGUI.</p> <p>In the file chooser choose the test files folder then incidents1.txt “test-files/incidents1.txt”</p> <p>Click <b>Select</b></p> <p><i>Choose an CSC IT)</i></p> <p><i>5. click select</i></p> <p><i>6. check results</i></p> <p>7. Close GUI</p>	<p>Expected results</p> <table><tr><th>ID</th><th>State</th><th>Title</th><th>Status</th></tr><tr><td>2</td><td>Canceled</td><td>Piazza</td><td>Not a incident</td></tr><tr><td>3</td><td>new</td><td>Moodle down</td><td>No Status</td></tr><tr><td>4</td><td>RESOLVED</td><td>SETUP JENKINS</td><td>Permanently Solved</td></tr><tr><td>9</td><td>In progress</td><td>Jenkins behind fire</td><td>No Status</td></tr></table>	ID	State	Title	Status	2	Canceled	Piazza	Not a incident	3	new	Moodle down	No Status	4	RESOLVED	SETUP JENKINS	Permanently Solved	9	In progress	Jenkins behind fire	No Status	<p>The files as expected in the expected result. All order is maintained as regards to the id's .</p>
ID	State	Title	Status																				
2	Canceled	Piazza	Not a incident																				
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4	RESOLVED	SETUP JENKINS	Permanently Solved																				
9	In progress	Jenkins behind fire	No Status																				

<p>Test 2:</p> <p>Clear System State(UC-3)</p>	<p>Preconditions: Test 1 must pass</p> <p>Go to the file option menu</p> <p>Click Clear State System</p> <p>Check results</p> <p>Close Gui</p>	<p>Expected Results:</p> <p>The System removes all incidents and Removes all Service groups.</p>	<p>All serviceGroups were removed and the system was slate clean</p>												
<p>Test 3:</p> <p>Add Service groups)</p> <p>UC-4</p>	<p>Preconsition. Test 2 must have passed</p> <ol style="list-style-type: none"> <li>1.Click on the Add Service Group</li> <li>2. Enter an empty value of group name</li> <li>3. Click add service</li> <li>4. Check results</li> <li>5.Close GUI</li> </ol>	<p>Expected Result</p> <p>A pop dialog stating “Invalid service group name.” come up</p>	<p>When trying to ass a service groups with an empty service group name a pop up dioalog comes up as stated in the expected results</p>												
<p>Test 4:</p> <p>Remove an Incident</p> <p>UC-10</p>	<p>Precondition: Test 1 must have passed</p> <ol style="list-style-type: none"> <li>1.Make sure no incident is selected</li> <li>2.Click on Remove Incident button</li> <li>3.check results</li> <li>4. Close GUI</li> </ol>	<p>Expected Result</p> <p>A pop dialog stating “No incident selected.” comes up.</p> <p>Expected results</p> <table border="1"> <tr> <th>ID</th><th>Stat e</th><th>Title</th><th>Status</th></tr> <tr> <td>2</td><td>Can cele d</td><td>Piazza</td><td>Not a incident</td></tr> <tr> <td>3</td><td>new</td><td>Moodle</td><td>No</td></tr> </table>	ID	Stat e	Title	Status	2	Can cele d	Piazza	Not a incident	3	new	Moodle	No	<p>When trying to remove an incident with out selecting one a pop up message comes up saying “No incident selected.” as expected in the expected result.</p>
ID	Stat e	Title	Status												
2	Can cele d	Piazza	Not a incident												
3	new	Moodle	No												

		<table> <tr> <td></td><td></td><td>down</td><td>Status</td></tr> <tr> <td>4</td><td>Resolved</td><td>SETUP JENKINS</td><td>Permanently Solved</td></tr> <tr> <td>9</td><td>In progress</td><td>Jenkins behind fire</td><td>No Status</td></tr> </table>			down	Status	4	Resolved	SETUP JENKINS	Permanently Solved	9	In progress	Jenkins behind fire	No Status	
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9	In progress	Jenkins behind fire	No Status												
<p>Test 5:</p> <p>Remove a service group</p> <p>UC-6</p>	<p>Precondition: Test 1 must have passed</p> <p>1.Make sure no incident is selected</p> <p>2.Click on the 1st service group from the drop down menu</p> <p>3.click Removes button</p>	<p>The remaining service groups are</p> <ul style="list-style-type: none"> <li>• ITECS</li> <li>• OIT</li> </ul>	<p>After removing the serviceGroup "CSC IT " only the two service groups indicated on the expected results are left.</p>												

#### Document Revision History

Date	Author	Change Description
02/26/2021	Meles Meles	Initial and Final draft, 5 black box system Test written
03/18/2021	Meles Meles	have completed the Black box system test

