# Lab 02: Black Box Test Plan

## Test Overview

To run the tests:

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

.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| Test 1:  Running application | Preconditions: None  Run PackSchedulerGUI.  *Check results* | GUI opens with empty directory and info fields. | GUI opens with empty directory and info fields. |
| Test 2: Loading invalid file | Preconditions: None  Run PackSchedulerGUI.  Click Load Student Directory  Attempt to open file “invalid\_student\_records.txt”  *Check results* | No students are added to student directory | No students are added to student directory |
| Test 3: Load file that does not exist | Preconditions: None  Run PackSchedulerGUI.  Click Load Student Directory  Attempt to open file “invalid”  *Check results* | Message saying “Unable to read file + path” pops up | Message saying “Unable to read file + path” pops up |
| Test 4:  Load valid student records | Preconditions: None  Run PackSchedulerGUI.  Click Load Student Directory  Attempt to open file “”actual\_student\_records.txt”  *Check results* | Student Zahir King is Added to Directory | Student Zahir King is Added to Directory |
| Test 5: Add student | Preconditions: None  Run PackSchedulerGUI.  Fill in fields for student info with James, Ticatic, jrticati, [jrticati@ncsu.edu](mailto:jrticati@ncsu.edu), password, password, 14 | Student James Ticatic is added to directory | Student James Ticatic is added to directory |
| Test 5:  Save Student Directory | Preconditions: Test 4  Save the student directory as “student\_record.txt”  *Check results* | student\_record.txt contains Zahir,King,zking,orci.Donec@ametmassaQuisque.com,0ÉRú±"ÃùuŸ\_¦Ù\7X²F´þâ9•{-OîFâapÄ,15  James, Ticatic, jrticati, [jrticati@ncsu.edu](mailto:jrticati@ncsu.edu), é\_Žtò\_À§'LÿŸË®\_Y-±"’u\_ ×P=0yŸÒ,14 | student\_record.txt contains Zahir,King,zking,orci.Donec@ametmassaQuisque.com,0ÉRú±"ÃùuŸ\_¦Ù\7X²F´þâ9•{-OîFâapÄ,15  James, Ticatic, jrticati, [jrticati@ncsu.edu](mailto:jrticati@ncsu.edu), é\_Žtò\_À§'LÿŸË®\_Y-±"’u\_ ×P=0yŸÒ,14 |
| Test 6:  Add student password mismatch | Preconditions: none  Run PackSchedulerGUI.  Fill in fields for student info with James, Ticatic, jrticati, [jrticati@ncsu.edu](mailto:jrticati@ncsu.edu), password, newpassword, 14 | Error message saying “passwords do not much” pops up | Error message saying “passwords do not much” pops up |
| Test 7:  Add student  Invalid first name | ­ Run PackSchedulerGUI.  Leave field for first name empty. Fill in rest of fields with Board, ndboard, [ndboard@ncsu.edu](mailto:ndboard@ncsu.edu), password, password, 14 | Error message saying “Invalid first name” | Error message saying “Invalid first name” |
| Test 8:  Remove student from Student Directory | Preconditions: Test 4  Select King, Zahir under Student Directory  Click “remove student”  *Check results* | The Student Directory is empty | The Student Directory is empty |
| Test 9: Remove Student with none selected | Preconditions: None  Run PackSchedulerGUI.  Make sure the Student Directory is empty  *Check results* | Error message saying “No student selected.” | Error message saying “No student selected.” |
|  |  |  |  |