Black Box Test Plan

Test Files to be used: Provided files sample.txt and sample-input.txt

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| **Test ID** | **Description** | **Expected Results** | **Actual Results** |
| **testFileLoad** | Prerequisites:   1. The program opens/starts correctly. 2. There is at least 1 of each of the appropriate files to load.   Steps:   1. Start the program. 2. Enter the file paths for the employee information file first, then the resume information second. 3. User selects/indicates to load the files: Employee.txt and Resume.txt | There should be no output if both files load correctly.  If either file fails, then the user will be re-prompted. | The program loads and the prompt appears.  Both of the test files load correctly. |
| **testOrganizationalProfile** | Prerequisites:   1. The program opens/starts correctly. 2. Each of the input files load correctly, and without error.   Steps:   1. User indicates to generate an operational profile. | The output of the profile should resemble this, depending upon the input file:  OrganizationalProfile[    Sarah Jones    John Smith    Jane Doe    Suzanne Meadows    Thomas Webb ] | The profile prints exactly as expected. |
| **testRemoveEmployee** | Prerequisites:   1. The program opens/starts correctly. 2. Each of the input files load correctly, and without error.   Steps:   1. User indicates to remove a selected employee (in this case, select at random.) 2. Then generate an operational profile. | The tree should automatically adjust itself to reflect the change, based on the current hierarchy and resume information.  The tree should now look like the following:  John, Smith, R255055055  {                  Jane, Doe, R255667887                 {                     Suzanne, Meadows, R567765492                 }      Thomas, Webb, R654678987  } | The removal returns the correct name, and the organizational profile is correct. |
| **~~testQueryEmployees~~** | ~~Prerequisites:~~   1. ~~The program opens/starts correctly.~~ 2. ~~Each of the input files load correctly, and without error.~~   ~~Steps:~~   1. ~~User indicates to query the employees.~~ 2. ~~Enter the names, then select to query in the following order:~~    1. ~~Sarah Jones~~    2. ~~John Smith~~    3. ~~Jane Doe~~    4. ~~Suzanne Meadows~~    5. ~~Thomas Webb~~ | ~~The employee queries should print the following after each name entry:~~  ~~Sarah Jones leads a department/unit that contains 4 employees.~~  ~~John Smith leads a department/unit that contains 1 employee.~~  ~~Jane Doe leads a department/unit that contains 2 employees.~~  ~~Suzanne Meadows leads a department/unit that contains 2 employees.~~  ~~Thomas Webb leads a department/unit that contains 1 employees.~~ | **Test Omitted.** |
| **testExit** | Prerequisites:   1. The program opens/starts.   Steps:   1. Start the program. 2. (Optional) Do other stuff in the program. 3. Attempt to quit the program. | The program should exit without issue. | The program exits correctly and without issue. |