Islahuddin Arshad

Project 2 Part 2 (Human Resources Manager)

Black Box Test Plan

The following files were used for the black box tests.

Employee File (employee.txt):

Sarah, Jones, R200581294

(

 John, Smith, R000634703

 Jane, Doe, R040123346

 (

   Thomas, Webb, R829476581

  (

    Jessica, Daniels, R228401745

    Kyle, DeMarcino, R123582991

)

)

 Suzanne, Meadows, R891429182

)

Resume File (resume.txt):

RESUME_ID, YEARS_OF_SERVICE, HIGHEST_DEGREE

R228401745, 1, M

R123582991, 1, B

R040123346, 18, B

R891429182, 9, P

R200581294, 7, N

R000634703, 4, M

R829476581, 8, A

Test ID	Description	Expected Results	Actual Results
testStartManagerValidInput	The user runs the program. The user is prompted to enter two files. The user enters the following files: "employee.txt" "resume.txt"	The user encounters the following prompt: *"Please enter employee information and resume file paths\n Employee information file path: "* The user enters the employee file filepath The program asks for resume file path right after. The user encounters the following prompt: *"Employee resume filepath: "* The user enters the resume file filepath After getting user input files, the program outputs: *"Success. What would you like to do? Press 1 to generate Organizational Profile Press 2 to remove a specified employee Press 'Q'/'q' to quit"*	The user encounters the following prompt: *"Please enter employee information and resume file paths\n Employee information file path: "* The user enters the employee file filepath The program asks for resume file path right after. The user encounters the following prompt: *"Employee resume filepath: "* The user enters the resume file filepath After getting user input files, the program outputs: *"Success. What would you like to do? Press 1 to generate Organizational Profile Press 2 to remove a specified employee Press 'Q'/'q' to quit"*

testStartManagerInvalid	**Precondition:** The user runs the program. The user is prompted to enter two files. The user enters the following files: "employeeDNE.txt" "resumeDNE.txt"	The user encounters the following prompt: *"Please enter employee information and resume file paths\n Employee information file path: "* The user enters the employee file filepath The program asks for resume file path right after. The user encounters the following prompt: "*Employee resume filepath:* " The user enters the resume file filepath After getting user input files, the program re-outputs: *"Please enter employee information and resume file paths\n Employee information file path: "* The user enters the employee file filepath The program asks for resume file path right after. The user encounters the following prompt: "*Employee resume filepath:* " The user enters the resume file filepath (This is done until valid input filepaths	The user encounters the following prompt: *"Please enter employee information and resume file paths\n Employee information file path: "* The user enters the employee file filepath The program asks for resume file path right after. The user encounters the following prompt: "*Employee resume filepath:* " The user enters the resume file filepath After getting user input files, the program re-outputs: *"Please enter employee information and resume file paths\n Employee information file path: "* The user enters the employee file filepath The program asks for resume file path right after. The user encounters the following prompt: "*Employee resume filepath:* " The user enters the resume file filepath (This is done until valid input filepaths

		are not inputted for both files).	are not inputted for both files).
testOrganizationalProfile	**Precondition:** The valid input files, "employee.txt" and "resume.txt", are presented to the program. The user also enters "1" to generate the Organizational Profile	The program output is: *"OrganizationalProfile[* *Sarah Jones* *John Smith* *Jane Doe* *Suzanne Meadows* *Thomas Webb* *Jessica Daniels* *Kyle DeMarcino* *]"* The program terminates	The program output is: *"OrganizationalProfile[* *Sarah Jones* *John Smith* *Jane Doe* *Suzanne Meadows* *Thomas Webb* *Jessica Daniels* *Kyle DeMarcino* *]"* The program terminates
testRemoveEmployee	**Precondition:** The program is restarted. The valid input files, "employee.txt" and "resume.txt", are presented to the program. The user also enters "2" to remove a specified employee The program prompts: *"What is the first name of the employee"*	The program output is: *"Success! Sarah Jones is removed."* The program then generates the operational profile. *"OrganizationalProfile[* *Jane Doe* *John Smith* *Thomas Webb* *Suzanne Meadows* *Jessica Daniels* *Kyle DeMarcino* *]"*	The program output is: *"Success! Sarah Jones is removed."* The program then generates the operational profile. *"OrganizationalProfile[* *Jane Doe* *John Smith* *Thomas Webb* *Suzanne Meadows* *Jessica Daniels* *Kyle DeMarcino* *]"*

	The user enters the first name The program prompts: *"What is the last name of the employee"* The user enters the last name of the employee In all, the user enters: "Sarah Jones"	The program terminates	The program terminates
testQuit	**Precondition:** The program is restarted. The valid input files, "employee.txt" and "resume.txt", are presented to the program. The user also enters 'Q' or 'q' to quit.	The program terminates.	The program terminates.
testRemoveLeafEmployee	**Precondition:** The program is restarted. The valid input files, "employee.txt" and "resume.txt", are presented to the program. The user also enters "2" to remove a	The program output is: *"Success! Kyle DeMarcino is removed."* The program then generates the operational profile. *"OrganizationalProfile[*	The program output is: *"Success! Kyle DeMarcino is removed."* The program then generates the operational profile. *"OrganizationalProfile[*

	specified employee The program prompts: *"What is the first name of the employee"* The user enters the first name The program prompts: *"What is the last name of the employee"* The user enters the last name of the employee In all, the user enters: "Kyle DeMarcino"	*Jane Doe* *John Smith* *Thomas Webb* *Suzanne Meadows* *Jessica Daniels* *]"* The program terminates	*Jane Doe* *John Smith* *Thomas Webb* *Suzanne Meadows* *Jessica Daniels* *]"* The program terminates
testEmployeeDoesNotExist	**Precondition:** The program is restarted The valid input files, "employee.txt" and "resume.txt", are presented to the program. The user also enters "2" to remove a specified employee The program prompts:	The program output is: *"Employee was not found"* The program outputs: *"What is first name of the employee"* The user is then expected to input the first name of the employee The program then outputs: *"What is the last name of the employee"*	The program output is: *"Employee was not found"* The program then outputs: *"What is first name of the employee"* The user is then expected to input the first name of the employee The program then outputs: *"What is the last name of the employee"*

	"What is the first name of the employee" The user enters the first name The program prompts: *"What is the last name of the employee"* The user enters the last name of the employee In all, the user enters: "Nobody nobody"	The use is then expected to input the last name of the employee	The use is then expected to input the last name of the employee