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| Application: | TaxCalculator |
| Test Undertaken By: | Lance Flatman |
| Test Date: | 04/01/2019 |
| Test Specifications: | Employee Data  Contractor Data  Employee Tax Payable  Contractor Tax Payable  Create PDF Test (Employee / Contactor)  Tax table information   * File exists in correct location * Even number of tests * Tax levels increase / are in order |

| ID | Test case | Scenario | Steps | Test data | Expected result | Actual result | Pass/ Fail |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Employee Data | Leave Fields Blank | Start program, leave fields blank, Click Create Employee Button. (After, enter relevant data into various fields and observe error list reducing) | 1) Blank fields  2) Enter data into some fields | Warning Popup Message (detailing what items are incorrect). Gradually enter information into the Fields and | 1)  2) | Pass |
| 2 | Employee Data | EmployeeID starts with an ‘E’ | Start program, enter data into EmployeeID, press Create Employee button | 1) ‘R’  2) ‘E’ | 1) When pressing Create Employee button, error message returned  2) Create Contractor button is turned off. Popup message advising user to enter in the correct format | 1)  2) | Pass |
| 3 | Employee Data | EmployeeID number is between 1001 and 9999 | Start program, enter data into EmployeeID, press Create Employee button | 1) ‘E0123’  2) ‘E1000’  3) ‘E10000’  4) ‘E1001’  5) ‘E9999’ | 1) Error message  2) As 1) above  3) As 1) above  4) No error message relating to Employee ID  5) As 4) above | 1)  2)  3)  4)  5) | Pass |
| 4 | Contractor Data | Leave Fields Blank | Start program, leave fields blank, Click Create Employee Button. (After, enter relevant data into various fields and observe error list reducing) | 1) Blank fields  2) Enter data into some fields | Warning Popup Message (detailing what items are incorrect) | 1)  2) | Pass |
| 5 | Contractor Data | EmployeeID starts with an ‘C’ | Start program, enter data into EmployeeID, press Create Contractor button | 1) ‘R’  2) ‘C’ | 1) Error message returned  2) Create Employee button is turned off. Popup message advising user to enter in the correct format | 1)  2) | Pass |
| 6 | Contractor Data | EmployeeID number is between 1001 and 9999 | Start program, enter data into EmployeeID, press Create Contractor button | 1) ‘C0123’  2) ‘C1000’  3) ‘C10000’  3) ‘C1001’  4) ‘C9999’ | 1) Error message  2) As 1) above  3) As 1) above  4) No error message relating to Employee ID  5) As 4) above | 1)  2)  3)  4)  5) | Pass |
| 7 | Contractor Data | Hours Worked label and field becomes visible | Start program, enter ‘C’ into EmployeeID | 1) ‘E’ in EmployeeID  2) ‘C’ in EmployeeID | 1) Doesn’t display Hours Worked or Data Field  2) Hours Worked and Data Field becomes visible | 1)  2) | Pass |
| 8 | Employee & Contractor Data | Gender is Male or Female | Start program and enter data into Gender field then press Create Employee or Contractor | In Gender Field  1) ‘M’ or ‘F’  2) ‘Male’  3) ‘Female’ | 1) Error Message  2) No error message relating to Gender  3) As 2) above. | 1)  2)  3) | Pass |
| 9 | Employee & Contractor Data | Department is not blank | Start program, skip Department then press Create Employee or Contractor | 1) No selection in Department | 1) Error message relating to Department being blank | 1) | Pass |
| 10 | Employee & Contractor Data | Email requires a ‘@’ and either ‘.com’ or ‘.net’ within the data | Start program, enter data into Email, press Create Employee or Contractor | 1) ‘test’  2) ‘test@’  3) ‘test.com’  4) ‘test@gmail.com’  5)’test@gmail.net’ | 1) Error message relating to incorrect email format  2) As 1) above  3) As 2) above  4) No error message relating to email  5) As 4) above | 1)  2)  3)  4)  5)  5a)  5b)  Code logic was wrong for 4&5 – recoded and tested – program Passes | 1-4  Pass,  5 Fail  – fixed code  (5a 5b - pass) |
| 11 | Employee & Contractor Data | Hourly Rate <=100 | Start program, skip Department then press Create Employee or Contractor | 1) 101  2) 100 | 1) Generates error message  2) No error message in popup box | 1)  2) | Pass |
| 12 | Contractor Data | Hours Worked <=80 | Start program, enter ‘C’ into EmployeeID, once Hours Worked field is shown, then press Create Employee or Contractor | EmployeeID ‘C’ then  1) 81  2) 80 | 1) Generates error message  2) No error message in popup box | 1)  2) | Pass |
| 13 | Employee Tax Calc | Tax on $1700.00 = $190.00 | Start program, enter data relevant for an Employee and press Create Employee. Then press Calculate Employee Tax | Hourly Rate is 42.5 | Displays Gross being 1700 and Tax Payable as 190 (as per example data). |  | Pass |
| 14 | Contractor Tax Calc | Tax on $1700.00 = $340.00 | Start program, enter data relevant for an Employee and press Create Employee. Then press Calculate Employee Tax | Hourly Rate is 42.5. Hours worked 40. | Displays Gross being 1700 and Tax Payable as 340 (as per example data). |  | Pass |
| 15 | Rates.txt file | Missing from directory | 1) Delete Rates.txt from program directory. Start program. Program Closes. | No test data | 1) Error message displaying Rates.txt is missing from program directory.  2) Program loads to TaxCalculator screen |  | Pass |
| 16 | Rates.txt file | Balanced number of inputs | 1) Delete Rates.txt from program directory. Copy Rates – unbalanced.txt to Rates.txt. Start program. Program Closes. | No test data | 1) Error message displaying Rates.txt data is incorrect.  2) Program loads to TaxCalculator screen |  | Pass |
| 17 | Rates.txt file | Increasing tax levels | 1) Delete Rates.txt from program directory. Copy Rates – non increasing.txt to Rates.txt. Start program. Program Closes. | No test data | 1) Error message displaying Rates.txt data is incorrect  2) Program loads to TaxCalculator screen |  | Pass |
| 18 | Rates.txt file | Restored to original | Copy Rates – original.txt to Rates.txt. Start program. TaxCalculator screen appears. Do Test 13 again to check system is working correctly. | As per Test 13 | As per Test 13 |  | Pass |