**TEST MATIRX OF HANS SERVICES CLIENT MANAGEMENT PROGRAM**

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| **TEST NUMBER** | **INPUT DATA SET** | **EXPECTED RESULTS** | **ACTUAL RESULTS** | **COMMENTS** |
| **1.** | **Testing of Main Menu** | | | | |
| 1a. | Enter a “-9” in main menu | Error message “invalid response” should be displayed because it is a negative number is not one of the options |  | Success | |
| 1b. | Enter a “P” in main menu | Program crashes and ends as option is a letter and is therefore invalid |  | Success | |
| 1c. | Enter a “1” in main menu | Screen should change to “Update Clients account” menu as it is valid option |  | Success | |
| 1d. | Enter a “2” in main menu | Screen should change to “View Clients Balance“ menu as it is valid option |  | Success | |
| **TEST NUMBER** | **INPUT DATA SET** | **EXPECTED RESULTS** | **ACTUAL RESULTS** | **COMMENTS** | |
| 1e. | Enter a “3” in main menu | Screen should change to “View Clients information “ menu as it is valid option |  | Success | |
| 1f. | Enter a “4” in main menu | Screen should change to “ Setting up new Client” menu option as it is valid option |  | Success | |
| 1g. | Enter a “5” in main menu | Displayed on the screen “ Program ending” as it is valid option and the program stops |  | Success | |
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| **2.** | **Testing Update Client Account Menu** | |  |  | |
| 2a. | Enter either a “A” or “a” to update a client account | Screen should display “ Adding Job” as it is a valid response |  | Success | |
| 2.1a | Enter a ”1” from the list of companies | Displayed on the screen “Processing Johns \_Bakery” as option chosen is legitimate. |  | Success | |

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|  | Enter “1 “ to do regular services | A next question is asked as 1 is a valid option |  | Success |
| 2.1d | Enter “ 7” for frequency when the contracted service is displayed | The next question is then displayed as the frequency is valid |  | Success |
| 2.1e | Enter “04/05/16” for the date the task was performed | Displayed on the screen “Job successfully added” as any date is acceptable. |  | Success |
| 2.1g | Enter “ 3” for frequency | The next question is then displayed as the frequency is valid |  | Success |
| 2.1h | Enter “05/05/16” for the date the task was performed | Displayed on the screen “ Job successfully added, the total cost of the job is $6500” as the date was acceptable |  | Success |
| 2.1i | Enter “1” to print invoice | The invoice is printed, and the program goes to update client menu. |  | Success |
|  |  |  |  |  |
| 2a.i | Enter either a “A” or “a” to update a client account | Screen should display “ Adding Job” as it is a valid response |  | Success |
| 2a.1 | Enter a ”2” from the list of companies | Displayed on the screen “Processing Lois\_ Exporters” as option chosen is legitimate. |  | Success |

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| **TEST NUMBER** | **INPUT DATA SET** | **EXPECTED RESULTS** | **ACTUAL RESULTS** | | **COMMENTS** |
| 2a.2 | Enter “2 “ to do special services | A next question is asked as 2 is a valid option |  | | Success |
| 2a.3 | Enter a “2” for jobs done | A next question is asked as 2 is a valid option |  | | Success |
| 2a.4 | Enter a “3”  from the list of services | “Adding Pick\_ up\_ skip” should be displayed as option is legitimate |  | | Success |
| 2a.5 | Enter “ 1” for frequency | The next question is then displayed as the frequency is valid |  | | Success |
| 2a.6 | Enter “05/05/16” for the date the task was performed | Displayed on the screen “Job successfully added” as any date is acceptable. |  | | Success |
| 2a.7 | Enter a “4”  from the list of services | “Adding Dispose\_a\_load\_of\_confidential\_documents” should be displayed as option is legitimate |  | | Success |
| 2a.8 | Enter “ 1” for frequency | The next question is then displayed as the frequency is valid |  | | Success |
| 2a.9 | Enter “05/05/16” for the date the task was performed | Displayed on the screen “ Job successfully added, the  total cost of the job is  $12000” as the date was acceptable |  | | Success |
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| 2a.10 | Enter “1” to print invoice | The invoice is printed, and the program goes to update client menu. |  | | Success |
| 2a.iii | Enter either a “A” or “a” to update a client account | Screen should display “ Adding Job done” as it is a valid response |  | | Success |
| 2.1a | Enter “-33” from the list of companies | Error message “Invalid response choose between 1 and 3 ” to be displayed as it is not a number |  | | Success |
| 2.1b | Enter a ”3” from the list of companies | Displayed on the screen “Processing Pauls\_Hardware” as option chosen is legitimate. |  | | Success |
| 2.2c | Enter “2 “ to do special services | A next question is asked as 2 is a valid option |  | | Success |
| 2.2d | Enters “0” for jobs done | Displayed on screen “Invalid response” as it is a letter |  | | Success |
| **TEST NUMBER** | **INPUT DATA SET** | **EXPECTED RESULTS** | **ACTUAL RESULTS** | | **COMMENTS** |
| 2.2e | Enters “1” for jobs done | The next question is then displayed as the number is valid |  | | Success |
| 2.2f | Enter “-9” to choose service performed | The list of the services is redisplayed as it is an invalid response |  | | Success |
| 2.2g | Enter “5” to choose service performed | Displayed on screen “Adding\_Cut\_and\_remove\_a\_load\_of\_tree\_cutting” as option is legitimate |  | | Success |
| 2.2h | Enter “-5” for frequency | Question will be redisplayed as it is a letter and is invalid |  | | Success |
| 2.2i | Enter “1” for frequency | The next question is then displayed as the frequency is valid |  | | Success |
| 2.2j | Enter “05/07/16” for the date the task was performed | Displayed on the screen “ Job successfully added, the total cost of the job is $20000” as any date is valid |  | | Success |
| 2.2h | Enter “0” to print invoice | The program goes to update client menu as option is invalid |  | | Success |
|  |  |  |  | |  |
| 2a.vi | Enter either a “A” or “a” to choose how to update a client account | Screen should display “ Adding Job done” as it is a valid response |  | Success | |
| **TEST NUMBER** | **INPUT DATA SET** | **EXPECTED RESULTS** | **ACTUAL RESULTS** | | **COMMENTS** | |
| 2.5a | Enter a ”2” to from the list of companies | Displayed on the screen “Processing Lois\_ Exporters” as option chosen is legitimate. |  | | Success | |
| 2.5b | Enter a “1” to do regular service | A next question is asked as 1 is a valid option |  | | Success | |
| 2.2h | Enter “-5” for frequency | Question will be redisplayed as it is a letter and is invalid |  | | Success | |
| 2.2i | Enter “3” for frequency | The next question is then displayed as the frequency is valid |  | | Success | |
| 2.2j | Enter “05/07/16” for the date the task was performed | Displayed on the screen “ Job successfully added, the total cost of the job is $6000” as any date is valid |  | | Success | |
| 2.2h | Enter “0” to print invoice | The program goes to update client menu as option is invalid |  | | Success | |
| 2a vii. | Enter either a “A” or “a” to update a client account | Screen should display “ Adding Job done” as it is a valid response |  | | Success | |
| 2.6a | Enter a ”h” from the list of companies | Program crashes and end as option is a letter and is therefore invalid |  | | Success | |
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| **TEST NUMBER** | **INPUT DATA SET** | **EXPECTED RESULTS** | **ACTUAL RESULTS** | **COMMENTS** |
| 2b | Enter either an “B” or “b” to update a client account | Screen should display “Adding Payment” as it is a valid option |  | Success |
| 2.1a | Enter a “1” from the list of companies | Displayed on the screen would be “Processing Johns \_Bakery” as option is legitimate |  | Success |
| 2.1b | Enters “11/15/16” for date | The next question is then displayed as any date is valid |  | Success |
| 2.1c | Enter a “6000” for amount being paid | Displayed on the screen, “ You owe $500” since payment is less than total cost of the job, after “Payment successfully added to file” is displayed as the number entered is a positive number |  | Success |
| 2.1d | Enter a “1 “when asked for a receipt to be printed | The receipt is printed, and the program goes to update client menu |  | Success |
|  |  |  |  |  |
| 2b.i | Enter a “B” or “b” to update a client account | Screen should display “adding Payment” as it is a valid option. |  | Success |
| 2.2a | Enter “-4” from the list of companies | Error message “Invalid response choose between 1 and 3” to be displayed until the correct one is chosen as A is not a number |  | Success |

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| **TEST NUMBER** | **INPUT DATA SET** | **EXPECTED RESULTS** | **ACTUAL RESULTS** | **COMMENTS** |
| 2.2b | Enter a “2” from the list of companies | Displayed on the screen would be “Processing Lois\_ Exporters” as option is valid |  | Success |
| 2.2c | Enters “11/14/16” for date | The next question is then displayed as any date is valid |  | Success |
| 2.2d | Enter a “-900” for amount being paid | Error message “Invalid response” because it is not a number and the option are re-displayed. |  | Success |
| 2.2e | Enter a “20000” for amount being paid | Displayed on the screen ”Your change is $2000 “ since payment is greater than total cost of the job after “Payment successfully added to file” is displayed as the number entered is a positive number |  | Success |
| 2.2f | Enter a “-7” when asked for a receipt to be printed | The program ends and goes to update client menu as it is not a valid option |  | Success |
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| 2b.ii | Enter either an “B” or “b” to update a client account | Screen should display “adding Payment” and a list of the companies |  | Success |
| 2.3a | Enter a “3” from the list of companies | Displayed on the screen would be “Processing Pauls \_Hardware” |  | Success |
| **TEST NUMBER** | **INPUT DATA SET** | **EXPECTED RESULTS** | **ACTUAL RESULTS** | **COMMENTS** |
| 2.3b | Enters “11/15/16” for date | The next question is then displayed as any date is valid |  | Success |
| 2.3c | Enter a “-6” for amount being paid | Error message “Invalid response” because it is not a positive number and the option is re-displayed |  | Success |
| 2.3d | Enter a “-9” for amount being paid | Error message “Invalid response” because it is not a positive number and the program goes back to the update clients menu |  | Success |
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| 2b.iii | Enter either an “B” or “b” to update a client account | Screen should display “adding Payment” and a list of the companies |  | Success |
| 2.4a | Enter a “K” to update a client account | Error message “Invalid response” should be displayed because it is not an option and the menu is redisplayed. |  | Success |
| 2.4b | Enter a “P” to update a client account | Error message “Invalid response” should be displayed because it is not an option and the menu is redisplayed. |  | Success |
| **TEST NUMBER** | **INPUT DATA SET** | **EXPECTED RESULTS** | **ACTUAL RESULTS** | **COMMENTS** |
| 2.4c | Enter a “Y” to choose how to update a client account | The program goes to main menu |  | Success |
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| 2c. | Enter either a “C” or “c” to update a client account | The screen then goes to “Main menu” menu option as it is a valid option |  | Success |
|  |  |  |  | Success |
| **3.** | **Testing View Clients Balance** |  |  |  |
| 3a. | Enter a “1” from the list of companies | Displayed on screen would be “Processing Johns\_Bakery” as option is valid |  | Success |
| 3.1a | If the value calculated for compowe is 500 | Displayed on the screen would be the balance report showing that Johns\_Bakery balance is $500. |  | Success |
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| 3b. | Enter a “-4” from the list of companies | Error message “Invalid response choose between 1 and 3” to be displayed and menu redisplayed as the option was not valid |  | Success |
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| 3.3a | Enter a “3” from the list of companies | Displayed on screen would be “Processing Pauls\_Hardware” as option is valid |  | Success |
| 3.3b | If the value calculated for compowe is 0 | Displayed on the screen would be the balance report showing that Pauls\_Hardware balance is $0. |  | Success |
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| **4** | **Testing View Clients Information** |  |  |  |
| 4a | Enter a “1” to choose from the list of companies | “Processing Johns\_ Bakery” then  “ Company name - Johns \_Bakery  Contact Person - Jane \_Grace  Address - 6 \_Park\_ Lane  Kingston\_ 5  Phone Number - 6789867  Amount of contracted services – 2  The services are – Pic\_ up\_bag  Pick\_up\_drum”  As it is a valid response |  | Success |
| 4a.i | Enter “-8” to choose from the list of companies | Error message “Invalid response choose between 1 and 3” to be displayed as it is a valid option |  | Success |
| **TEST NUMBER** | **INPUT DATA SET** | **EXPECTED RESULTS** | **ACTUAL RESULTS** | **COMMENTS** |
| 4.2a | Enter a “2” to choose from the list of companies | “Processing Lois Exporters” then  “Company name – Lois\_ Exporters  Contact Person – Jim \_Frank  Address - 9\_ Gray \_Street  Kingston\_ 8  Phone Number - 9483848  Amount of contracted services – 1  The services are – Pick\_up\_skip”  As it is a valid response |  | Success |
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| **5** | **Testing Setting up New client** |  |  |  |
| 5a | Enters “Fay\_Encorperated” for company name | The next question is then displayed as any name is valid |  | Success |
| 5.1a | Enters “ Terry \_Mayne” for contact person | The next question is then displayed as any name is valid |  | Success |
| 5.1b | Enters “ 6\_ Tarry \_Lane” for the address line 1 | The next question is then displayed as any address line 1 is valid |  | Success |
| 5.1c | Enters “ Kingston \_10” for the address line 2 | The next question is then displayed as any address line 2 is valid |  | Success |
| 5.1d | Enters “767565” for the phone number | The next question is then displayed as any phone nu  mber is valid |  | Success |
| **TEST NUMBER** | **INPUT DATA SET** | **EXPECTED RESULTS** | **ACTUAL RESULTS** | **COMMENTS** |
| 5.1e | Enters “1” for amount of services | The next question is then displayed as 1 is valid |  | Success |
| 5.1f | Enters “1” from the service list | Displayed on the screen “Adding Pick\_up\_Bag to file” as the answer is valid |  | Success |
| 5b | Enters “Pasily\_Cars” for company name | The next question is then displayed as any name is valid |  | Success |
| 5b.1a | Enters “ Kerry\_Hanes” for contact person | The next question is then displayed as any name is valid |  | Success |
| 5b.1b | Enters “ 5\_ Tully \_Lane” for the address line 1 | The next question is then displayed as any address line 1 is valid |  | Success |
| 5c.1c | Enters “ Kingston \_10” for the address line 2 | The next question is then displayed as any address line 2 is valid |  | Success |
| 5c.1d | Enters “767565” for the phone number | The next question is then displayed as any phone number is valid |  | Success |
| 5c.1e | Enters “1” for amount of services | The next question is then displayed as 1 is a valid response |  | Success |
| **TEST NUMBER** | **INPUT DATA SET** | **EXPECTED RESULTS** | **ACTUAL RESULTS** | **COMMENTS** |
| 5c.1f | Enters “-1” to choose from one of the services | Error message “Invalid response” to be displayed and the question is redisplayed as the option was not valid |  | Success |
| 5c.1g | Enters “0” to choose from one of the services | Error message “Invalid response” to be displayed and the question is redisplayed as the option was not valid |  | Success |
| 5c.1h | Enters “-9” for amount of services | Error message “Invalid response” to be displayed and the program will go back to main menu as an invalid response was entered 3 times |  | Success |