# Test Log – Renat Oosthuizen

The following test log was created using white box integration testing. The tester was very familiar with the internal workings of the software and had direct access to the files where data was stored allowing him to easily monitor the output of each unit. Due to time and resource limitations, a thorough testing of the software’s units could not be conducted. For those reasons, only a small selection of valid and invalid inputs was used for each unit to ascertain their functionality.

## Testing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test No | Action | Expected | Actual | Result (pass/fail) |
| 1 | Launching application | Creates and writes default csv files if they don’t exist, instantiates data, displays Login Menu | Creates and writes default csv files if they don’t exist, instantiates data, displays Login Menu | **pass** |
| 2 | Entering ‘1’ (login) into Login Menu | Requests User ID and Password | Requests User ID and Password | **pass** |
| 3 | Entering ‘0’ (quits application) into Login Menu | Application quits | Application quits | **pass** |
| 4 | Entering ‘zero’ into the Login Menu | Informs user that the choice is invalid and gives them a valid range of inputs | Informs user that the choice is invalid and gives them a valid range | **pass** |
| 5 | Entering ‘10’ as user ID and ‘password’ as password into the Login Menu | Login menu informs user that no matches were found | Login menu informs user that no matches were found | **pass** |
| 6 | Entering ‘4’ as user ID and ‘0004’ as password into the Login Menu | Logs in as a Casual Member, writes login data to session.log | Logs in as a Casual Member, writes login data to session.log | **pass** |
| 7 | Entering ‘1’ as user ID and ‘0001’ as password into the Login Menu | Logs in as a Full Member, writes login data to session.log | Logs in as a Full Member, writes login data to session.log | **pass** |
| 8 | Entering ‘7’ as user ID and ‘0007’ as password into the Login Menu | Logs in as a Staff Member, writes login data to session.log | Logs in as a Staff Member, writes login data to session.log | **pass** |
| 9 | Entering ‘10’ as user ID and ‘0010’ as password into the Login Menu | Logs in as an Admin Staff Member, writes login data to session.log | Logs in as an Admin Staff Member, writes login data to session.log | **pass** |
| 10 | Entering Main Menu | Main menu has 4 options for non-admin users and 5 for admin users | Main menu has 4 options for non-admin users and 5 for admin users | **pass** |
| 11 | Entering ‘1’ (navigate to member records) into admin Main Menu | Displays a Member Record Menu with 2 options for Casual members, 3 options for Full and Staff members and 9 options for Admin members | Displays a Member Record Menu with 2 options for Casual members, 3 options for Full and Staff members and 9 options for admin members | **pass** |
| 12 | Entering ‘2’ (navigate to stock records) into admin Main Menu | Displays a Stock Record Menu with 3 options for Casual members, 4 options for Full and Staff members and 6 options for Admin members | Displays a Stock Record Menu with 3 options for Casual members, 4 options for Full and Staff members and 6 options for Admin members | **pass** |
| 13 | Entering ‘3’ (view your login history) into admin Main Menu | Displays the login history of the current user | Displays the login history of the current user | **pass** |
| 14 | Entering ‘4’ (view all login history) into admin Main Menu | Displays the login history of all users | Displays the login history of all users | **pass** |
| 15 | Entering ‘0’ (logout) into Main Menu | Writes logout time to session.log, takes user to Login Menu. | Writes logout time to session.log, takes user to Login Menu. | **pass** |
| 16 | Entering ‘zero’ into the Main Menu | Informs user that the choice is invalid and gives them a valid range | Informs user that the choice is invalid and gives them a valid range | **pass** |
| 17 | Entering ‘1’ (view all stocks) into Stock Records Menu | Displays all data for all stock items that is not ‘N/A’ or is related to loans and reservations | Displays all data for all stock items that is not ‘N/A’ or is related to loans and reservations | **pass** |
| 18 | Entering ‘1’ (view all stocks) into admin Stock Records Menu | Displays all data for all stock items that is not ‘N/A’ | Displays all data for all stock items that is not ‘N/A’ | **pass** |
| 19 | Entering ‘2’ (search stocks by title) into admin Stock Records Menu | Requests title of item to search for | Requests title of item to search for | **pass** |
| 20 | Entering ‘dragon’ when searching stock by title (logged user is an admin) | Displays all data (except for columns containing ‘N/A’) for all stock items that have dragon in their title (independent of capitalisation) | Displays all data (except for columns containing ‘N/A’) for all stock items that have dragon in their title (independent of capitalisation) | **pass** |
| 21 | Entering ‘dragon’ when searching stock by title (logged user is not an admin) | Displays all data (except for columns containing ‘N/A’ or are related to loans and reservations) for all stock items that have dragon in their title (independent of capitalisation) | Displays all data (except for columns containing ‘N/A’ or are related to loans and reservations) for all stock items that have dragon in their title (independent of capitalisation) | **pass** |
| 22 | Entering ‘gold’ when searching stock by title | Let’s user know that item with that title could not be found | Let’s user know that item with that title could not be found | **pass** |
| 23 | Entering ‘3’ (reserve a stock item) into admin Stock Records Menu | Displays all stock items (same as entering ‘1’ in Stock Record Menu) and requests Stock ID | Displays all stock items (same as entering ‘1’ in Stock Record Menu) and requests Stock ID | **pass** |
| 24 | Entering ‘15’ for Stock ID when reserving an item (item does not exist) | Informs user that the item with that Stock ID could not be found | Informs user that the item with that Stock ID could not be found | **pass** |
| 25 | Entering ‘2’ for Stock ID when reserving an item (user has no items reserved) | Informs user that item has been reserved and makes appropriate changes to the csv files | Informs user that item has been reserved and makes appropriate changes to the csv files | **pass** |
| 26 | Entering ‘2’ for Stock ID when reserving an item (item is reserved by another user) | Informs user that the item couldn’t be reserved as it has been reserved by another user | Informs user that the item couldn’t be reserved as it has been reserved by another user | **pass** |
| 27 | Entering ‘2’ for Stock ID when reserving an item (logged user has item 10 reserved) | Informs user that item has been reserved and that item 10 has been unreserved. Makes appropriate changes to the csv files | Informs user that item has been reserved and that item 10 has been unreserved. Makes appropriate changes to the csv files | **pass** |
| 28 | Entering ‘2’ for Stock ID when reserving an item (item is overdue by another user) | Informs user that item could not be reserved as it is overdue and the return date is unknown | Informs user that item could not be reserved as it is overdue and the return date is unknown | **pass** |
| 29 | Entering ‘2’ for Stock ID when reserving an item (item is not currently on loan) | Informs user that item cannot be reserved as it is available for loan | Informs user that item cannot be reserved as it is available for loan | **pass** |
| 30 | Entering ‘4’ (create new stock item) into admin Stock Records Menu | Starts the process of creating a new item | Starts the process of creating a new item | **pass** |
| 31 | Entering ‘Book’ when creating a new item | Asks Title, Price, Publisher, ISBN,  Author, Subject Area and Number of Pages | Asks Title, Price, Publisher, ISBN,  Author, Subject Area and Number of Pages | **pass** |
| 32 | Entering ‘Journal’ when creating a new item | Asks Title, Price, Publisher, Subject Area, Number of Pages, ISSN, Issue Number, Date of Issue | Asks Title, Price, Publisher, Subject Area, Number of Pages, ISSN, Issue Number, Date of Issue | **pass** |
| 33 | Entering ‘Video’ when creating a new item | Asks Title, Price, Publisher, Running Time, Video Format, Genre, Storage Case | Asks Title, Price, Publisher, Running Time, Video Format, Genre, Storage Case | **pass** |
| 34 | Entering ‘Compact Disk’ when creating a new item | Asks Title, Price, Publisher, Running Time, Storage Case, Type of CD, Number of Tracks, Name of Artist | Asks Title, Price, Publisher, Running Time, Storage Case, Type of CD, Number of Tracks, Name of Artist | **pass** |
| 35 | Entering ‘Music’ when creating a new item | Informs user that it is not a valid media type | Informs user that it is not a valid media type | **pass** |
| 36 | Entering ‘ten’ into Price when creating a new item | Informs user that the format entered is incorrect and lets them know what the correct format is | Informs user that the format entered is incorrect and lets them know what the correct format is | **pass** |
| 37 | Entering ’10.00’ into Price when creating a new item | Proceeds with item creation | Proceeds with item creation | **pass** |
| 38 | Entering ‘Eleven’ into ISSN when creating a new item | Informs user that the format entered is incorrect and lets them know what the correct format is | Informs user that the format entered is incorrect and lets them know what the correct format is | **pass** |
| 39 | Entering ‘12345678910’ into ISSN when creating a new item | Proceeds with item creation | Proceeds with item creation | **pass** |
| 40 | Entering ‘twenty second of April 2008’ into Date of Issue when creating a new item | Informs user that the format entered is incorrect and lets them know what the correct format is | Informs user that the format entered is incorrect and lets them know what the correct format is | **pass** |
| 41 | Entering ’2008-04-22’ into Date of Issue when creating a new item | Proceeds with item creation | Proceeds with item creation | **pass** |
| 42 | Entering ‘Eleven’ into ISBN when creating a new item | Informs user that the format entered is incorrect and lets them know what the correct format is | Informs user that the format entered is incorrect and lets them know what the correct format is | **pass** |
| 43 | Entering ‘12345678910’ into ISBN when creating a new item | Proceeds with item creation | Proceeds with item creation | **pass** |
| 44 | Entering ‘eighty’ into Running Time when creating a new item | Informs user that the format entered is incorrect and lets them know what the correct format is | Informs user that the format entered is incorrect and lets them know what the correct format is | **pass** |
| 45 | Entering ‘80’ into Running Time when creating a new item | Proceeds with item creation | Proceeds with item creation | **pass** |
| 46 | Entering ‘twenty-two’ into Number of Tracks when creating a new item | Informs user that the format entered is incorrect and lets them know what the correct format is | Informs user that the format entered is incorrect and lets them know what the correct format is | **pass** |
| 47 | Entering ‘22’ into Number of Tracks when creating a new item | Proceeds with item creation | Proceeds with item creation | **pass** |
| 48 | Entering all requested data during item creation | Data is written into correct columns in the csv file | Data is written into correct columns in the csv file | **pass** |
| 49 | Entering ‘5’ in admin Stock Records Menu | Displays all stock items (same as entering ‘1’ in Stock Record Menu) and requests Stock ID of the item to be edited or 0 to exit | Displays all stock items (same as entering ‘1’ in Stock Record Menu) and requests Stock ID of the item to be edited or 0 to exit | **pass** |
| 50 | Entering ‘0’ when editing an item | Returns user to Stock Records Menu | Returns user to Stock Records Menu | **pass** |
| 51 | Entering ‘20’ when editing an item | Informs user that the Stock ID could not be found | Informs user that the Stock ID could not be found | **pass** |
| 52 | Entering ‘2’ when editing an item | Displays row numbers and all data for the item. Requests number of the row to be edited | Displays row numbers and all data for the item. Requests number of the row to be edited | **pass** |
| 53 | Entering ‘three’ when selecting row of an item to edit | Informs user that they can only enter numbers | Informs user that they can only enter numbers | **pass** |
| 54 | Entering ‘2’ when selecting row of an item to edit | Informs user that Stock ID cannot be edited and requests number of the row to be edited | Informs user that Stock ID cannot be edited and requests number of the row to be edited | **pass** |
| 55 | Entering ‘1’ when selecting row of an item to edit | Requests new data for the row | Requests new data for the row | **pass** |
| 56 | Entering ’2008-04-22’ into row 16 when editing an item | Informs user that input must be of ‘YYYY-MM-DD’ format | Informs user that input must be of ‘YYYY-MM-DD’ format | **pass** |
| 57 | Entering ‘twenty’ into row 10 when editing an item | Informs user that only numbers can be entered as input | Informs user that only numbers can be entered as input | **pass** |
| 58 | Entering ‘twenty’ into row 13 when editing an item | Informs user that only numbers can be entered as input | Informs user that only numbers can be entered as input | **pass** |
| 59 | Entering ‘twenty’ into row 14 when editing an item | Informs user that only numbers can be entered as input | Informs user that only numbers can be entered as input | **pass** |
| 60 | Entering ‘twenty’ into row 17 when editing an item | Informs user that only numbers can be entered as input | Informs user that only numbers can be entered as input | **pass** |
| 61 | Entering ‘twenty’ into row 22 when editing an item | Informs user that only numbers can be entered as input | Informs user that only numbers can be entered as input | **pass** |
| 62 | Entering ‘twenty’ into row 4 when editing an item | Informs user that input must be of a ‘0.00’ format | Informs user that input must be of a ‘0.00’ format | **pass** |
| 63 | Entering ‘Test Title’ into row 3 | Informs user that item was successfully edited, information edited in csv file | Informs user that item was successfully edited, information edited in csv file | **pass** |
| 64 | Entering ‘5’ (edit a stock item) into admin Stock Records Menu | Allows user to edit a stock item and saves new version to file | Allows user to edit a stock item and saves new version to file | **pass** |
| 65 | Entering ‘0’ (return to main menu) into admin Stock Records Menu | Returns user to main menu. | Returns user to main menu. | **pass** |
| 66 | Entering ‘zero’ into admin Stock Records Menu | Informs user that the choice is invalid and gives them a valid range | Informs user that the choice is invalid and gives them a valid range | **pass** |
| 67 | Entering ‘1’ (view all profiles) into admin Member Records Menu | Displays details of all members. | Displays details of all members. Sends user to Main Menu | **fail** |
| 68 | Entering ‘2’ (create a new profile) into admin Member Records Menu | Requests membership type of the member | Requests membership type of the member | **pass** |
| 69 | Entering ‘Full’ when asked for membership type during new account creation | Asks for First Name, Surname, Password, Address, Town, Postcode and Telephone number and Date of Birth. | Asks for First Name, Surname, Password, Address, Town, Postcode and Telephone number and Date of Birth. | **pass** |
| 70 | Entering ‘Casual’ when asked for membership type during new account creation | Asks for First Name, Surname, Password, Address, Town, Postcode and Telephone number and Date of Birth. | Asks for First Name, Surname, Password, Address, Town, Postcode and Telephone number and Date of Birth. | **pass** |
| 71 | Entering ‘Staff’ when asked for membership type during new account creation | Asks for Admin Status, First Name, Surname, Password, Address, Town, Postcode and Telephone number and Date of Birth. | Asks for Admin Status, First Name, Surname, Password, Address, Town, Postcode and Telephone number and Date of Birth. | **pass** |
| 72 | Entering ‘Super’ when asked for membership type during new account creation | Informs user that it is not a correct account type and returns to Member Records Menu | Informs user that it is not a correct account type and returns to Member Records Menu | **pass** |
| 73 | Entering ‘admin’ when asked if the Staff Member is an admin during account creation | User is asked to enter ‘yes’ or ‘no’ | User is asked to enter ‘yes’ or ‘no’ | **pass** |
| 74 | Entering ‘yes’ when asked if the Staff Member is an admin during account creation | Input is accepted | Input is accepted | **pass** |
| 75 | Entering ‘thirteenth of April 1990’ when asked for Date of Birth during account creation | User is informed that the correct format is ‘YYYY-MM-DD’ | User is informed that the correct format is ‘YYYY-MM-DD’ | **pass** |
| 76 | Entering ‘1990-04-13 when asked for Date of Birth during account creation | Input is accepted | Input is accepted | **pass** |
| 77 | Entering all requested data during account creation | Data is written into correct columns in the csv file | Data is written into correct columns in the csv file | **pass** |
| 78 | Entering ‘3’ (edit your profile) into Member Records Menu | Displays row numbers and all data for the logged user account, requests number of the row to be edited | Displays row numbers and all data for the logged user account, requests number of the row to be edited | **pass** |
| 79 | Entering ‘three’ when selecting row of a user account to edit | Informs user that they can only enter numbers | Informs user that they can only enter numbers | **pass** |
| 80 | Entering ‘5’ when selecting row of a user account to edit | Informs user that User ID cannot be edited and requests number of the row to be edited | Informs user that User ID cannot be edited and requests number of the row to be edited | **pass** |
| 81 | Entering ‘1’ when selecting row of a user account to edit | Requests new data for the row | Requests new data for the row | **pass** |
| 82 | Entering ‘2008-04-22’ into row 10 when editing a user account | Informs user that input must be of ‘YYYY-MM-DD’ format | Informs user that input must be of ‘YYYY-MM-DD’ format | **pass** |
| 83 | Entering ‘yes’ into row 11 when editing a user account | Inform user that input must be ‘true’ or ‘false’ | Inform user that input must be ‘true’ or ‘false’ | **pass** |
| 84 | Entering ‘twenty’ into row 12 when editing a user account | Informs user that input must be of ‘0.00’ format | Informs user that input must be of ‘0.00’ format | **pass** |
| 85 | Entering ‘Password’ into row 4 when editing a user account | Informs user the account has been edited, writes the change to the csv file | Informs user the account has been edited, writes the change to the csv file | **pass** |
| 86 | Entering ‘4’ (edit any profile) into admin Member Records Menu | Requests User ID of the member to be edited or entering ‘0’ to return to Member Records Menu | Requests User ID of the member to be edited or entering ‘0’ to return to Member Records Menu | **pass** |
| 87 | Entering ‘0’ when selecting a User ID to edit | Returns user to Member Records Menu | Returns user to Member Records Menu | **pass** |
| 88 | Entering ‘20’ when selecting a User ID to edit | Informs user that the User ID could not be found | Informs user that the User ID could not be found | **pass** |
| 89 | Entering ‘2’ when selecting a User ID to edit | Displays row numbers and all data for the user account, requests number of the row to be edited | Displays row numbers and all data for the user account, requests number of the row to be edited | **pass** |
| 90 | Entering ‘three’ when selecting row of a user account to edit | Informs user that they can only enter numbers | Informs user that they can only enter numbers | **pass** |
| 91 | Entering ‘5’ when selecting row of a user account to edit | Informs user that User ID cannot be edited and requests number of the row to be edited | Informs user that User ID cannot be edited and requests number of the row to be edited | **pass** |
| 92 | Entering ‘1’ when selecting row of a user account to edit | Requests new data for the row | Requests new data for the row | **pass** |
| 93 | Entering ‘2008-04-22’ into row 10 when editing a user account | Informs user that input must be of ‘YYYY-MM-DD’ format | Informs user that input must be of ‘YYYY-MM-DD’ format | **pass** |
| 94 | Entering ‘yes’ into row 11 when editing a user account | Inform user that input must be ‘true’ or ‘false’ | Inform user that input must be ‘true’ or ‘false’ | **pass** |
| 95 | Entering ‘twenty’ into row 12 when editing a user account | Informs user that input must be of ‘0.00’ format | Informs user that input must be of ‘0.00’ format | **pass** |
| 96 | Entering ‘Password’ into row 4 when editing a user account | Informs user the account has been edited, writes the change to the csv file | Informs user the account has been edited, writes the change to the csv file | **pass** |
| 97 | Entering ‘5’ (record a loan) into admin Member Records Menu | Requests the Stock ID of the item to be loaned and the User ID of the member that wishes to make a loan | Requests the Stock ID of the item to be loaned and the User ID of the member that wishes to make a loan | **pass** |
| 98 | Entering ‘100 and ‘2’ for User ID and Stock ID respectively when trying to loan an item (User ID does not exist) | User is informed that a member with that User ID could not be found | User is informed that a member with that User ID could not be found | **pass** |
| 99 | Entering ‘4 and ‘2’ for User ID and Stock ID respectively when trying to loan an item (User ID belongs to a Casual Member) | User is informed that User ID belongs to a Casual Member who cannot loan items | User is informed that User ID belongs to a Casual Member who cannot loan items | **pass** |
| 100 | Entering ‘2’ and ‘2’ for User ID and Stock ID respectively when trying to loan an item (member has a fine of £0.50) | User is informed of the fine and asked if the member paid the fine | User is informed of the fine and asked if the member paid the fine | **pass** |
| 101 | Entering ‘yes’ when asked if the member paid the fine while trying to loan an item | Member’s fine is set to £0.00; change is written to the csv file, loaning process continues | Member’s fine is set to £0.00; change is written to the csv file, loaning process continues | **pass** |
| 102 | Entering ‘no’ when asked if the member paid the fine while trying to loan an item | User is informed that the member must pay the fine before they can loan an item and is returned to the Member Records Menu | User is informed that the member must pay the fine before they can loan an item and is returned to the Member Records Menu | **pass** |
| 103 | Entering ‘not paid’ when asked if the member paid the fine while trying to loan an item | User is asked if the member has paid the fine (yes/no) | User is asked if the member has paid the fine (yes/no) | **pass** |
| 104 | Entering ‘2’ and ‘2’ for User ID and Stock ID respectively when trying to loan an item (member has an overdue item) | User is informed that member must return an overdue item before they can loan any more items | User is informed that member must return an overdue item before they can loan any more items | **pass** |
| 105 | Entering ‘3’ and ‘3’ for User ID and Stock ID respectively when trying to loan an item (item with Stock ID ‘3’ is reserved by a member with User ID ‘9’) | User is informed that the item is reserved by a different member and so cannot be loaned | User is informed that the item is reserved by a different member and so cannot be loaned | **pass** |
| 106 | Entering ‘3’ and ‘4’ for User ID and Stock ID respectively when trying to loan an item (item with Stock ID ‘4’ is reserved by a member with User ID ‘3’) | Loaning process continues | Loaning process continues | **pass** |
| 107 | Entering ‘1’ and ‘100’ for User ID and Stock ID respectively when trying to loan an item (item with that Stock ID does not exist) | User is informed that the item could not be found | User is informed that the item could not be found | **pass** |
| 108 | Entering ‘8’ and ‘10’ for User ID and Stock ID respectively when trying to loan an item (member has exceeded the borrow limit for their membership type) | User is informed that the member has reached their borrow limit | User is informed that the member has reached their borrow limit | **pass** |
| 109 | Entering ‘1’ and ‘6’ for User ID and Stock ID respectively when trying to loan an item (Item is currently on loan to a different member) | User is informed that the item cannot be loaned as it is currently on loan to a different user | User is informed that the item cannot be loaned as it is currently on loan to a different user | **pass** |
| 110 | Entering ‘1’ and ‘5’ for User ID and Stock ID respectively when trying to loan an item (member is under borrow limit and has no fines or overdue items and the item is not on loan or reserved) | User is informed that the item has successfully been loaned, changes are written to the csv files | User is informed that the item has successfully been loaned, changes are written to the csv files | **pass** |
| 111 | Entering ‘6’ (return a loan) into admin Member Records Menu | Requests the Stock ID of the loaned item and the User ID of the loanee | Requests the Stock ID of the loaned item and the User ID of the loanee | **pass** |
| 112 | Entering ‘2’ and ‘100’ for User ID and Stock ID respectively when returning a loan (item with that ID does not exist) | User is informed that an item with that Stock ID could not be found | User is informed that an item with that Stock ID could not be found | **pass** |
| 113 | Entering ‘3’ and ‘2’ for User ID and Stock ID respectively when returning a loan (item is not loaned to that user) | User is informed that the item is not loaned to someone with that User ID | User is informed that the item is not loaned to someone with that User ID | **pass** |
| 114 | Entering ‘2’ and ‘3’ for User ID and Stock ID respectively when returning a loan (item was loaned to that user 9 days ago) | User is informed that the item has been returned, changes are made to the csv file to reflect this | User is informed that the item has been returned, changes are made to the csv file to reflect this | **pass** |
| 115 | Entering ‘2’ and ‘2’ for User ID and Stock ID respectively when returning a loan (item was loaned to that user 11 days ago) | User is informed that a fine of £0.50 must be paid and asked if that fine has been paid | User is informed that a fine of £0.50 must be paid and asked if that fine has been paid | **pass** |
| 116 | Entering ‘yes’ when asked if the member paid the fine from returning an item late | User is informed that the item has been returned, changes are made to the csv file to reflect this | User is informed that the item has been returned, changes are made to the csv file to reflect this | **pass** |
| 117 | Entering ‘no’ when asked if the member paid the fine from returning an item late | User is informed that the item has been returned and a fine of £0.50 has been applied to the member’s account, changes are made to the csv files to reflect this | User is informed that the item has been returned and a fine of £0.50 has been applied to the member’s account, changes are made to the csv files to reflect this | **pass** |
| 118 | Entering ‘not paid’ when asked if the member paid the fine from returning an item late | User is asked if the member has paid the fine (yes/no) | User is asked if the member has paid the fine (yes/no) | **pass** |
| 119 | Entering ‘7’ (view all loan history) into admin Member Records Menu | Shows all loans for all users. | Shows all loans for all users. | **pass** |
| 120 | Entering ‘8’ (view your loan history) into admin Member Records Menu | Shows all loans for the logged user. | Shows all loans for the logged user. | **pass** |
| 121 | Entering ‘0’ (return to main menu) into admin Member Records Menu | Returns user to main menu. | Returns user to main menu. | **pass** |
| 122 | Entering ‘zero’ into admin Member Records Menu | Informs user that the choice is invalid and gives them a valid range | Informs user that the choice is invalid and gives them a valid range | **pass** |

## Test Remediation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test No | Action | Expected | Actual | Result (pass/fail) |
| 67 | Entering ‘1’ (view all profiles) into admin Member Records Menu | Displays details of all members. | Displays details of all members. | **Pass\*** |

Action to remediate:

\*On initial testing of the unit the method displayed all information as intended however, immediately afterwards it would take the user out of the current menu and send them to the Main Menu. On investigation it was discovered that this behaviour was caused by a missing “break;” in the switch menu, right below the method call. Once this was added, the incorrect behaviour disappeared and the test passed.