# **Testing Reports**

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| **Document Intention:** | Holds the testing reports for the implementation report. |
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| **Document Version Date-Stamp:** | 22/04/2023 |
| **Document Version:** | 1 |
| **Document Version History:** | |
| 1. Document Created. | |

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| **Use Case ID:** 1 | **Use Case Name:** Sign In |
| **Test Number:** 1.1 | |
| **Objective:** allow the user to sign in with the valid credentials | |
| **Set Up:** There is a stable connection, and the code is working | |
| Expected results:  1. The user puts their details in  2. The details are correct  3. Sign in is successful  4.Next screen is showed to the user | |
| **Test:**  1**.** The user is presented with the form  2. The user inputs their email  3. The user inputs the relevant password for that email account  4. This password is checked to see if it matches the relevant email account  5. If it does the next screen will be presented to the user | |
| **Test Record:** | |
| **Date:** 05-03-2023 | **Tester: Huzaifa Pathan** |
| **Result:** passed | |

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| **Use Case ID:** 1 | **Use Case Name:** Sign In - LoginAttemptFailed |
| **Test Number:** 1.2 | |
| **Objective:** login attempt failed because the email was inputted incorrectly | |
| **Set Up:**   1. There is a stable connection to the database 2. The code is working and running 3. The sign in screen is displayed to the user | |
| **Expected results:**   1. An error message is displayed to the user indicating the error (wrong format) | |
| **Test:**   1. The user is presented with the sign in screen 2. The user inputs an email 3. The system alerts the user with an error message that the email has been inputted in the wrong format | |
| **Test Record:** | |
| **Date: 05-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 1 | **Use Case Name:** Sign In - LoginAttemptFailed |
| **Test Number: 1.3** | |
| **Objective:** login attempt failed because the email was incorrect | |
| **Set Up:**   1. There is a stable connection to the database 2. The code is working and running 3. The sign in screen is displayed to the user | |
| **Expected results:**   1. An error message is displayed to the user indicating that the email inputted could not be found | |
| **Test:**   1. The user is presented with the sign in screen 2. The user inputs an email 3. The user presses login 4. An error message comes up alerting the user that the email they have inputted could not be found | |
| **Test Record:** | |
| **Date: 05-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 1 | **Use Case Name:** Sign In - LoginAttemptFailed |
| **Test Number: 1.4** | |
| **Objective:** login attempt failed because the password was incorrect | |
| **Set Up:** There is a stable connection, and the code is working | |
| **Expected results:** the user puts a password which doesn’t match the relevant account and the sign in attempt fails | |
| **Test:**   1. The user inputs an email 2. The user inputs a password 3. The user presses the submit button 4. The password doesn’t match the password that maps to the email on the system 5. An error message is displayed to the user showing this | |
| **Test Record:** | |
| **Date: 05-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 1 | **Use Case Name:** Sign In – Connection Unavailable |
| **Test Number: 1.5** | |
| **Objective:** login attempt fails because the connection to the database drops | |
| **Set Up:** The connection was initially there to get to the login screen but as the user inputs their details correctly and presses submit the connection to the database is lost | |
| **Expected results:** the system shows an error that the connection to the database has been lost | |
| **Test:**   1. The sign in screen is displayed to the user 2. The user inputs their email and password and presses submit 3. The password is checked against the account with that email 4. The password Is a match 5. The connection is lost 6. An error message is displayed informing the user of this | |
| **Test Record:** | |
| **Date: 05-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 2 | **Use Case Name:** Sign Out |
| **Test Number: 2** | |
| **Objective:** the user signs out of the system | |
| **Set Up:**   1. There is a connection to the database 2. The user is signed in | |
| **Expected results:** the user can press the logout button and gets logged out | |
| **Test:**   1. User has logged in to the system 2. User presses the logout button 3. User has been logged out of the system 4. User is returned to the sign in page | |
| **Test Record:** | |
| **Date: 06-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 3 | **Use Case Name:** Create Account |
| **Test Number: 3.1** | |
| **Objective:** System administrator creates an account for a user | |
| **Set Up:**   1. There is a connection to the database 2. System administrator has signed in | |
| **Expected results:** the system administrator creates an account for the user | |
| **Test:**   1. System admin signs in 2. Clicks on staff manager 3. Clicks on add 4. Fills the required fields in correctly 5. Presses OK 6. New account has been added | |
| **Test Record:** | |
| **Date: 06-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 3 | **Use Case Name:** Create Account – no staffID |
| **Test Number: 3.2** | |
| **Objective**: System administrator creates an account for a user- fails because there is no staff ID | |
| **Set Up:**   1. There is a connection to the database 2. System administrator has signed in | |
| **Expected results:** error message comes up indicating staff ID is null | |
| **Test:**   1. System admin signs in 2. Clicks on staff manager 3. Clicks on add 4. Leaves staffID null 5. Presses OK 6. Error message says staffID is null | |
| **Test Record:** | |
| **Date: 06-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 3 | **Use Case Name:** Create Account – incorrect email format |
| **Test Number: 3.3** | |
| **Objective:** System administrator creates an account for a user- fails because the email format is incorrect | |
| **Set Up:**   1. There is a connection to the database 2. System administrator has signed in | |
| **Expected results:** error message comes up indicating the email is in the wrong format | |
| **Test:**   1. System admin signs in 2. Clicks on staff manager 3. Clicks on add 4. Types email incorrectly 5. Presses OK 6. Error message says email is in an invalid format | |
| **Test Record:** | |
| **Date: 06-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 3 | **Use Case Name:** Create Account – email in use |
| **Test Number: 3.4** | |
| Objective: System administrator creates an account for a user- fails because the email is already in use | |
| **Set Up:**   1. There is a connection to the database 2. System administrator has signed in | |
| **Expected results:** error message comes up indicating the email is already in use | |
| **Test:**   1. System admin signs in 2. Clicks on staff manager 3. Clicks on add 4. Uses an email that is already being used 5. Presses OK 6. Error message says email is already in use | |
| **Test Record:** | |
| **Date: 07-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 3 | **Use Case Name:** Create Account – staffID in use |
| **Test Number: 3.5** | |
| **Objective:** System administrator creates an account for a user- fails because the staffIDis already in use | |
| **Set Up:**   1. There is a connection to the database 2. System administrator has signed in | |
| **Expected results:** error message comes up indicating the email is already in use | |
| **Test:**   1. System admin signs in 2. Clicks on staff manager 3. Clicks on add 4. Uses staff ID that is already being used 5. Presses OK 6. Error message says staffID is already in use | |
| **Test Record:** | |
| **Date: 07-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 3 | **Use Case Name:** Create Account – email field is null |
| **Test Number: 3.6** | |
| **Objective:** System administrator creates an account for a user- fails because the email field is null | |
| **Set Up:**   1. There is a connection to the database 2. System administrator has signed in | |
| **Expected results:** error message comes up indicating the email field is null | |
| **Test:**   1. System admin signs in 2. Clicks on staff manager 3. Clicks on add 4. Leaves email filed null 5. Presses OK 6. Error message says email is null | |
| **Test Record:** | |
| **Date: 07-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 3 | **Use Case Name:** Create Account – password field is null |
| **Test Number: 3.7** | |
| **Objective:** System administrator creates an account for a user- fails because the password field is null | |
| **Set Up:**   1. There is a connection to the database 2. System administrator has signed in | |
| **Expected results:** error message comes up indicating the password field is null | |
| **Test:**   1. System admin signs in 2. Clicks on staff manager 3. Clicks on add 4. Leaves password filed null 5. Presses OK 6. Error message says password is null | |
| **Test Record:** | |
| **Date: 07-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 3 | **Use Case Name:** Create Account – passwords don’t match |
| **Test Number: 3.8** | |
| **Objective:** System administrator creates an account for a user- fails because the passwords don’t match | |
| **Set Up:**   1. There is a connection to the database 2. System administrator has signed in | |
| **Expected results:** error message comes up indicating the passwords don’t match | |
| **Test:**   1. System admin signs in 2. Clicks on staff manager 3. Clicks on add 4. Input the password and confirm password fields differently 5. Presses OK 6. Error message says password fields do not match | |
| **Test Record:** | |
| **Date: 07-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 4 | **Use Case Name:** Retrieve Accounts |
| **Test Number: 4.1** | |
| **Objective:** System administrator retrieves multiple accounts | |
| **Set Up:**   1. There is a connection to the database 2. System administrator has signed in | |
| **Expected results:** the account in mind is retrieved from database | |
| **Test:**   1. Database is queried by the user 2. List of the accounts queried are displayed 3. Each account Is then stored as an object in the array | |
| **Test Record:** | |
| **Date: 05-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 4 | **Use Case Name:** Retrieve Accounts – connection has been lost |
| **Test Number: 4.2** | |
| **Objective:** System administrator retrieves multiple accounts – the connection drops | |
| **Set Up:**   1. There is a connection to the database initially 2. System administrator has signed in | |
| **Expected results:** error occurs as connection has dropped | |
| **Test:**   1. Database is queried by the user 2. List of the accounts queried are displayed 3. Each account Is then stored as an object in the array 4. During any of these processes the connection may be lost, and the querying cannot happen | |
| **Test Record:** | |
| **Date: 05-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 4 | **Use Case Name:** Retrieve Accounts – no accounts came up when querying |
| **Test Number: 4.3** | |
| **Objective:** System administrator retrieves multiple accounts – no accounts were found | |
| **Set Up:**   1. There is a connection to the database 2. System administrator has signed in | |
| **Expected results:** no accounts were shown when the query search happened | |
| **Test:**   1. Database is queried by the user 2. No accounts were displayed | |
| **Test Record:** | |
| **Date: 05-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 5 | **Use Case Name:** Retrieve Account |
| **Test Number: 5** | |
| **Objective:** System administrator retrieves multiple accounts | |
| **Set Up:**   1. There is a connection to the database 2. System administrator has signed in 3. There are a list of accounts to be searched from | |
| **Expected results:** the account in mind is retrieved from database | |
| **Test:**   1. Use Case ID 4 2. For each account in this list if it’s the one being searched for then return it else go to next account 3. If no account match return null | |
| **Test Record:** | |
| **Date: 05-03-2023** | **Tester: Huzaifa Pathan** |
| **Result: passed** | |

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| **Use Case ID:** 6 | **Use Case Name:** Modify Account |
| **Test Number:** 6.1 | |
| **Objective:**  Modifies an existing user account. | |
| **Set Up:**  The user is logged in, the user has selected an account to modify, the user has pressed the modify account button. | |
| **Expected results:**  The user should be able to modify the selected account. | |
| **Test:**  1.Account is retrieved from the database.  2. The user is shown an interface that allows them to enter all the personal information.  3. If the selected role is TravelAdvisor: commission percentage is allowed to be changed.  4. The user changes the information that they want to  5. The user presses the submit button  6. The information is updated | |
| **Test Record:**  The expected behaviour is observed. | |
| **Date:** 06/04/2023 | **Tester:** Samina Matin |
| **Result:** Passed | |

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| **Use Case ID:** 6 | **Use Case Name:** Modify Account: Password Not Matching |
| **Test Number:** 6.2 | |
| **Objective:**  The password and confirm password text boxes do not have matching contents. | |
| **Set Up:**  The modify account button was pressed, the text in the password and confirm password textboxes do not match. | |
| **Expected results:**  The should get an error message “The passwords do not match”. | |
| **Test:**  1. The user changes the information that they want to  2. The user doesn’t put the same password in both fields  3. The user presses the submit button  4. The information does not update, an error massage popped up “passwords do not match”.  5. The account is not modified. | |
| **Test Record:**  The expected behaviour is observed. | |
| **Date:** 06/04/2023 | **Tester:** Samina Matin |
| **Result:** Passed | |

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| **Use Case ID:** 6 | **Use Case Name:** Modify Account: Cancelled |
| **Test Number:** 6.3 | |
| **Objective:**  The modify account operation was cancelled. | |
| **Set Up:**   1. User has signed in 2. Account to modify has been selected | |
| **Expected results:**  Modifying the selected account should be cancelled. | |
| **Test:**  1. The user changes the information that they want to  2. The user presses the cancel button.  3. GUI is closed. | |
| **Test Record:**  The expected behaviour is observed. | |
| **Date:** 06/04/2023 | **Tester:** Samina Matin |
| **Result:** Passed | |

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| **Use Case ID:** 6 | **Use Case Name:** Modify Account: Connection Unavailable |
| **Test Number:** 6.4 | |
| **Objective:**  The database connection was unavailable for storage or querying. | |
| **Set Up:**  User is signed in | |
| **Expected results:**  The system should show an error on screen for “Database Unavailable.”. | |
| **Test:**  1. Account is retrieved from the database.  2. Update button is pressed  3. The system shows an error on screen for “Database Unavailable.”.  4. Modifying the selected account doesn’t work as the connection is unavailable. | |
| **Test Record:**  The expected behaviour is observed. | |
| **Date:** 07/04/2023 | **Tester:** Samina Matin |
| **Result:** Passed | |

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| **Use Case ID:** 7 | **Use Case Name:** Delete Account |
| **Test Number:** 1 | |
| **Objective:**  Deletes the user account that no longer works in the company. | |
| **Set Up:**  The user is logged in and the selected account to be deleted is selected | |
| **Expected results:**  The selected account should be deleted. | |
| **Test:**  1.Account is retrieved from the database.  2. The user is shown an interface that allows them to select which account to delete.  3. The user deletes the account that they want to.  4. The user presses the delete button.  5. The account is deleted. | |
| **Test Record:**  The expected behaviour is observed. | |
| **Date:** 07/04/2023 | **Tester:** Samina Matin |
| **Result:** Passed | |

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| **Use Case ID:** 7 | **Use Case Name:** Delete Account: Advisor Assigned To Blanks |
| **Test Number:** 7.1 | |
| **Objective:**  If advisor is attempting to blanks, deletion fails. | |
| **Set Up:**  The advisor is assigned to a blank in stock manager. | |
| **Expected results:**  Deletion is stopped. | |
| **Test:**  1.Account is retrieved from the database.  2. The user is shown an interface that allows them to select which account to delete.  3. The user deletes the account that they want to.  4. The user presses the delete button.  5. The account is not deleted because the advisor is assigned to blanks. | |
| **Test Record:**  The expected behaviour is observed. | |
| **Date:** 07/04/2023 | **Tester:** Samina Matin |
| **Result:** Passed | |

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| **Use Case ID:** 8 | **Use Case Name:** CreateBlankStock |
| **Test Number:** 8.1 | |
| **Objective:** Allows for blanks to be input into the system | |
| **Set Up:**  System has a stock type with a type code and a staff Advisor to be assigned to the blank. | |
| **Expected results:** A blank was successfully created with a blank type | |
| **Test:**   1. Press “Create” button in stock manager tab 2. Assign an advisor with ID 101 3. Assign stock type 100 4. The blank shows up in stock | |
| **Test Record:** Expected behaviour observed | |
| **Date: 14/04/2023** | **Tester: Maudud Ahmed** |
| **Result: Pass** | |

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| **Use Case ID:** 8 | **Use Case Name:** CreateBlankStock - no staff advisor in staff list |
| **Test Number:** 8.2 | |
| **Objective:** Blanks cannot be created if there is no advisor available | |
| **Set Up:**  System has a stock type with a type code | |
| **Expected results:** Blank creator does not pop up | |
| **Test:**   1. Press “Create” button in stock manager 2. Popup to create blank does not appear | |
| **Test Record:** Expected behaviour observed | |
| **Date: 14/04/2023** | **Tester: Maudud Ahmed** |
| **Result: Pass** | |

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| **Use Case ID:** 8 | **Use Case Name:** CreateBlankStock - no stock types available |
| **Test Number:** 8.3 | |
| **Objective:** Blanks cannot be created if there is no stock type available | |
| **Set Up:**   1. System does not have a stock type | |
| **Expected results:** Blank creator does not pop up | |
| **Test:**   1. Press “Create” button in stock manager tab 2. Popup to create blank does not appear | |
| **Test Record:** Expected behaviour observed | |
| **Date: 14/04/2023** | **Tester: Maudud Ahmed** |
| **Result: Pass** | |

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| **Use Case ID:** 8 | **Use Case Name:** CreateBlankStock - no advisor assigned |
| **Test Number:** 8.4 | |
| **Objective:** Allows for blanks to be input into the system with unassigned state | |
| **Set Up:**  System has a stock type with a type code and staff advisor | |
| **Expected results:** A blank was successfully created with a blank type but with unassigned state | |
| **Test:**   1. Press “Create button” in stock manager tab 2. Assign stock type 100 3. The blank shows up in stock but with the state “unassigned” | |
| **Test Record:** Expected behaviour observed | |
| **Date: 14/04/2023** | **Tester: Maudud Ahmed** |
| **Result: Pass** | |

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| **Use Case ID:** 9 | **Use Case Name:** AccessBlankStock |
| **Test Number: 9**.1 | |
| **Objective:** Access the stock of blanks in the database | |
| **Set Up:**  stock contains 10 blanks with 3 different stock types 100, 901, 553 | |
| **Expected results:** all blanks should appear in stock | |
| **Test:**   1. Created 10 blanks: 2 blanks stock type 100, 3 blank stock type 553, 5 blank stock type 901 and 2 blanks unassigned. 2. Pressed “refresh” button 3. All blanks appeared in stock with accurate information in the stock manager tab. | |
| **Test Record:** Expected behaviour observed | |
| **Date: 14/04/2023** | **Tester: Maudud Ahmed** |
| **Result: Pass** | |

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| **Use Case ID:** 10 | **Use Case Name: RecordRevokeBlank** |
| **Test Number: 10**.1 | |
| **Objective: Revokes blanks to stop them being sold or used by the system** | |
| **Set Up:**  System has blanks to be blacklisted | |
| **Expected results:** Blank state is set to blacklisted | |
| **Test:**   1. Select blank with ID 901000002 in stock manager tab 2. Select blank list 3. Popup warning 4. Select yes 5. Blank state appears as blacklisted and can no longer be used or sold in the system | |
| **Test Record:** Expected behaviour observed | |
| **Date: 14/04/2023** | **Tester: Maudud Ahmed** |
| **Result: pass** | |