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| **Project:** WhatABook |  |
| **Course:** CYBR410-T301 (2233-1) |  |
| **Description:** An application to interact with the WhatABook Database |  |
| **Date:** 2-27-2023 |  |
| **Version:** 1.0 RC |  |

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| Test 1 | **DATABASE CONNECTIVITY** | | | |
|  | **Test Objective: Verify the application can connect to the database.** | **Developer:**  **Date tested:** 2023/02/26 | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | Correct credentials in config | Database connects, main menu shows | ✅ | <yes/no> |
| 2 | Incorrect username in config | Error message explaining, program quits | ✅ | <yes/no> |
| 3 | Incorrect password in config | Error message explaining, program quits | ✅ | <yes/no> |
| 4 | Incorrect hostname in config | Error message explaining, program quits | ✅ | <yes/no> |
| 5 | Incorrect database in config | Error message explaining, program quits | ✅ | <yes/no> |
| **Comments** | Comments should be substantive; this means there should be at least 2-3 well-structured sentences with constructive feedback. | | | |

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| Test 2 | **MAIN MENU** | | | |
|  | **Test Objective: Verify the main menu functions properly** | **Developer:**  **Date tested:** 2023/02/26 | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | User enters 1 and presses enter | The books are listed with a prompt to press enter to continue. **Note**: some books may not have a description – this should not cause an error in the program, but it should say that none is available. | ✅ | <yes/no> |
| 2 | User enters 2 and presses enter | The store locations are listed with a prompt to press enter to continue | ✅ | <yes/no> |
| 3 | User enters 3 and presses enter | The user validation process is initiated | ✅ | <yes/no> |
| 4 | User enters 4 and presses enter | The program exits gracefully | ✅ | <yes/no> |
| 5 | User enters a number other than 1, 2, 3, or 4 and presses enter | Error message explaining to enter 1-4 and a wait for the user to acknowledge with Enter. | ✅ | <yes/no> |
| 6 | User enters something other than a number and presses enter (including only Enter) | Error message explaining to enter 1-4 and a wait for the user to acknowledge with Enter | ✅ | <yes/no> |
| **Comments** | Comments should be substantive; this means there should be at least 2-3 well-structured sentences with constructive feedback. | | | |

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| Test 3 | **ACCOUNT VERIFICATION** | | | |
|  | **Test Objective: Ensure the user has entered a valid account number before accessing account functions** | **Developer:**  **Date tested:** 2023/02/26 | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | User enters account number of valid customer (1, 2, or 3) | A welcome message is printed followed by the account management menu | ✅ | <yes/no> |
| 2 | User enters a number that is not a valid account number | Error message explaining invalid account number followed by a prompt for exiting program | ✅ | <yes/no> |
| 3 | User enters something other than a number | Error message explaining invalidity followed by a prompt for exiting program | ✅ | <yes/no> |
| 4 | After failing to validate an account, enter Y to program exit prompt | Program exits gracefully | ✅ | <yes/no> |
| 5 | After failing to validate an account, enter anything other than “y” or “Y” | Program will ask for account ID again | ✅ | <yes/no> |
| **Comments** | Comments should be substantive; this means there should be at least 2-3 well-structured sentences with constructive feedback. | | | |

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| Test 4 | **ACCOUNT MANAGEMENT MENU** | | | |
|  | **Test Objective: Verify account management functionality – viewing wishlist and add books into wishlist** | **Developer:**  **Date tested:** 2026-02-26 | **Peer tester:**  **Date tested:** <yyyy/mm/dd> | |
| **Step** | **Action** | **Expected results:** | **Developer pass/fail** | **Tester pass/fail** |
| 1 | The menu is initiated for the first time after account verification | A welcome message saying “Welcome, FirstName Lastname” is displayed, followed by the menu. A prompt asks which menu item the user wants to choose. | ✅ | <yes/no> |
| 2 | User enters 1 at the menu | The user’s wishlist is displayed with book id, title, author, and summary. **Note**: some books may not have a description – this should not cause an error in the program, but it should say that none is available. A prompt to press enter is shown, then the Account Management Menu is reprinted. | ✅ | <yes/no> |
| 3 | User enters 2 at the menu | Books that are **not** part of the user’s wishlist are listed with book id, title, author, and summary. **Note**: some books may not have a description – this should not cause an error in the program, but it should say that none is available. A prompt asks for a book id of a book to add, or 0 to cancel | ✅ | <yes/no> |
| 4 | At the book add menu, the user enters an id of an available book | The book with the matching ID is added to the wishlist. Verify by choosing option 1 at the account management menu and verify the book was added | ✅ | <yes/no> |
| 5 | At the book add menu, the user enters a value of 0 (meaning they wish to cancel the operation) | The account management menu is shown again. | ✅ | <yes/no> |
| 6 | At the book add menu, the user enters an invalid book id | Error message explaining the invalid input followed by a prompt telling the user to press enter to acknowledge. The user is then asked again to input a valid book id | ✅ | <yes/no> |
| 7 | At the book add menu, the user enters text and not a number | Error message explaining the invalid input followed by a prompt telling the user to press enter to acknowledge. The user is then asked again to input a valid book id | ✅ | <yes/no> |
| 8 | User enters 3 at the menu | The main menu is shown | ✅ | <yes/no> |
| **Comments** | Comments should be substantive; this means there should be at least 2-3 well-structured sentences with constructive feedback. | | | |