1. **Creating Accounts**

|  |  |  |
| --- | --- | --- |
| #1 | Main Menu |  |
| #2 | Entering the number accounts |  |
| #3 | Entering account details (true/ false/y/n/yes/no are accepted for isActive field) |  |
| #4 | Account creation confirmation, and main menu |  |
| #5 | Error handled while trying to enter characters for Account Id | N/A (as the Id is auto generated by the code) |
| #6 | Error handled while trying to enter characters for Balance |  |
| #7 | Error handling for entering other than the defined account type |  |
| #8 | Name restriction. Should be 3 characters at least |  |

1. **Import as we go! - concurrent execution.**

|  |  |  |
| --- | --- | --- |
| **#1** | **Snapshot of existing data** | Create date is supplied by the code for each account type and updated date is the current date when an update takes place. |
| **#2** | **Snapshot of the file (create date is towards the end)** | This “create date” will supersede the create date the code supplies. |
| **#3** | **Actual file I used, with create date being towards the end** |  |
| **#4** | **File path is relative** |  |
| **#5** | **Thread started but manual addition permitted** |  |
| **#6** | **Import completion thread confirmation** |  |
| **#7** | **Showing all account** |  |
| **#8** | **Finding the account Id** |  |
| **#9** | **Printing the statistics** |  |

1. **Listing all accounts**

|  |  |  |
| --- | --- | --- |
| #1 | Listing all the accounts created during the above steps | **Created date is generated by the code; and updated date is current date when the update takes place.** |

1. **Viewing an account**

|  |  |  |
| --- | --- | --- |
| #1 | Entering the proper Account ID |  |
| #2 | Entering incorrect Account ID |  |

1. **Updating an account**

|  |  |  |
| --- | --- | --- |
| #1 | Updating on a valid account Id |  |
| #2 | Viewing all the accounts (including the updated one) |  |
| #3 | Trying to update an invalid account Id; and getting error |  |
| #4 | You can see the date is changed for the update field |  |

1. **Deleting an account**

|  |  |  |
| --- | --- | --- |
| #1 | Valid account deletion, and confirmation; Viewing the account to ensure it is gone |  |

1. **Printing the statistics**

|  |  |  |
| --- | --- | --- |
| **#1** | **Printing the data statistics** | **Including the average age for each account type** |

1. **Export**

|  |  |  |
| --- | --- | --- |
| **#1** | **Screenshot of the complete data** |  |
| **#2** | **The empty file before export** |  |
| **#3** | **Export’s relative path** |  |
| **#4** | **Exported file** | **You can see both “created date” and “updated date”** |
| **#5** | **Threaded execution for Export start** |  |
| **#6** | **Threaded execution for export complete** |  |
| **#7** | **Message confirmation** |  |

1. **Exiting from the application**

|  |  |  |
| --- | --- | --- |
| #1 | Entering proper index to exit the application. Thank you, message appears! |  |