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Homework #4 & 5 – Test Cases with Screenshots

Loading the file:

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| Test | Steps/Expected Results | Screenshot |
| File Doesn’t Exist | Run application using: unknown.txt  Application should error with a detailed message. |  |
| Not enough fields in file | Run application using: Test\_NotEnoughFields.txt  Application should error with a detailed message. |  |
| Negative Account ID | Run application using: Test\_NegativeAccountNo.txt  Application should error with a detailed message. |  |
| Non-numeric Account ID | Run application using: Test\_NonNumericAccountID.txt  Application should error with a detailed message. |  |
| Negative Amount | Run application using: Test\_NegativeAmount.txt  Application should error with a detailed message. |  |
| Special Character | Run application using: Test\_SpecialCharacter.txt  Application should error with a detailed message. |  |
| Missing Last Name | Run application using: Test\_MissingLastName.txt  Application should error with a detailed message. |  |
| Successful File | Run application using: testfileHW4File.txt  Application should start-up waiting for a user action. |  |

Main Account Manager Screen (Startup using file HW4File.txt):

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| Test | Steps/Expected Results | Screenshot |
| Combo Box | Click the drop-down arrow.  Accounts should be listed in ascending order of the Account ID. | C:\Users\STACIE~1.CHR\AppData\Local\Temp\SNAGHTML7fb3c6.PNG |
| Save | Click the Save button.  File should save back to HW4File.txt. |  |
| Exit | Click the Exit button.  Changes will be saved and the program will close. |  |
| Edit in USD | Click the Edit in USD button.  A secondary pop-up should be displayed with the Name, Account ID, and Currency in the title. |  |
| Edit in EURO | Click the Edit in Euro button.  A secondary pop-up should be displayed with the Name, Account ID, and Currency in the title. |  |
| Edit in YUAN | Click the Edit in Yuan button.  A secondary pop-up should be displayed with the Name, Account ID, and Currency in the title. |  |

Account Management Screen (Startup using file HW4File.txt, Click Edit in USD):

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| Test | Steps/Expected Results | Screenshot |
| Deposit | Enter 10 in the Amount field. Click on Deposit.  10 should be added to the balance. |  |
| Withdraw | Enter 10 in the Amount field. Click on Withdraw.  10 should be deducted from the balance. |  |
| Conversion for Currency | Verify the currency conversions are correct. Open all three currencies and manually calculate the values. |  |
| Multiple Windows | Open another Account Management window by going to the Main view and click Edit in Euros. Select a window and enter an amount of 1. Both values should change in both windows. |  |
| Insufficient Funds | Enter an Amount greater than the balance in the Amount field. Click on Withdraw.  A pop-up should be displayed with an error message. |  |

Agent Acceptance Testing:

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| Launch the Deposit Agent | Click Start Deposit Agent.  A new window should pop-up that allows you to start the agent. |  |
| Launch the Withdraw Agent | Click Start Withdraw Agent.  A new window should pop-up that allows you to start the agent. |  |
| Required Agent ID | Use the Deposit Agent and try to run without an Agent ID.  The system should assign the agent a random number. |  |
| Stop and Dismiss Agent | Use the Stop and Dismiss buttons.  The agent should stop and then return you to the main window after dismissal. |  |
| Agent Running | Run the Deposit Agent.  The agent should begin automatically depositing money into the account. |  |
| Agent Blocked | Run the Deposit and Withdraw agent.  One should be blocked if the amount cannot be withdrawn/deposited. |  |
| Agent Stopped | Run the Deposit agent and click stop.  The agent should remain in the stopped mode until it is started up again. |  |
| Multiple Agents | Run the Deposit and Withdraw agents at the same time.  The agents should run and show their status if it is running and/or blocked. |  |