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| Test Case # | Requirement | Test Description and Input data | Expected output |
| 1 | Text box for account holder cannot be empty | Pressing the submit button without any string value in entry box will pass on a empty string. | “Missing data for opening an account.” Will be printed in the text area of the GUI. |
| 2 | Text box for account date of birth cannot be empty. | Pressing the submit button without any string value in date of birth entry box will pass on a empty string. | “Missing data for opening an account.” Will be printed in the text area of the GUI. |
| 3 | The date of birth entered must be a valid calendar date. | Entering a string as date of birth which is not a valid calendar date.  Example: “18/18/2001” | “Date of birth invalid.” Will be printed in the text area of the GUI. |
| 4 | The date of birth entered cannot be a future calendar date. | Entering a string as date of birth which is a future calendar date.  Example: “5/10/2030” | “Date of birth invalid.” Will be printed in the text area of the GUI. |
| 5 | The date of birth entered cannot be today’s date. | Entering today’s date.  Example: “3/25/2023” | “Date of birth invalid.” Will be printed in the text area of the GUI. |
| 6 | The initial amount when opening any type of amount cannot be empty. | Pressing the submit button without any string value in entry box for init. Deposit will pass on a empty string. | “Missing data for opening an account.” Will be printed in the text area of the GUI. |
| 7 | The initial amount when opening any type of account cannot be a negative number. | Enter a negative number in the initial deposit text box.  Example: -1000 | “Initial deposit cannot be 0 or negative.” |
| 8 | The initial amount when opening any type of account cannot be 0. | Enter 0 in the initial deposit text box. | “Initial deposit cannot be 0 or negative.” |
| 9 | The deposit amount cannot be 0. | Enter 0 in the Deposit/withdrawal amount text box. | “Deposit - amount cannot be 0 or negative.” |
| 10 | The deposit amount cannot be a negative number. | Enter a negative number in Deposit/withdrawal amount text box. | “The deposit amount cannot be 0.” |
| 11 | The withdraw amount cannot be a negative number. | Enter a negative number in Deposit/withdrawal amount text box. | “Withdraw - amount cannot be 0 or negative.” |
| 12 | The withdraw amount cannot be more than the balance of the account. | Entering a amount that is greater the account balance. | “Withdraw - insufficient fund.” |
| 13 | The withdraw amount cannot be 0. | Enter 0 in Deposit/withdrawal amount text box. | “Withdraw - amount cannot be 0 or negative.” |
| 14 | The account holder name must be a name that is in the database when withdrawing or depositing. | Enter a name that is not in the database.  Example: “eg eg” | “eg eg \*date\* \*type\* is not in the database.” |
| 15 | The date of birth must be a date of birth that is in the database when withdrawing or depositing. | Enter a date that is not associated with the account name “eg eg”  Name: “eg eg”  DOB: “2/12/2002” | “eg eg 2/12/2002 \*type\* is not in the database.” |
| 16 | The same account must be selected that was used to open the account, when trying to deposit or withdraw from the account. | Picking a account type that does not corresponds to holder “eg eg 2/12/2002 Checking”  Example: Pick College checking | “eg eg 2/12/2002 College Checking is not in the database.” |
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