Midterm Sample Output

Bank Account Simulation I J.L. Luttmann

(0) Greeting & Menu Options

(0a) Initial Greeting & Menu Options

```
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$ Hello, welcome to Leo's Bank Account Simulation! $$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$


========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
==========================
Choose an option:
```

(0b) Initial Greeting & Menu - Invalid Input


```
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$ Hello, welcome to Leo's Bank Account Simulation! $$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$


========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option: 6
Please choose a valid option (1-5).

========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option: █
```

(1) Deposit Money

(1a) User Deposits Money - Successful

```
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$ Hello, welcome to Leo's Bank Account Simulation! $$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$


========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option: 1
How much money do you want to deposit? 1000000.53
Your new balance is: $1001000.53

========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option: 
```

(1b) User Deposits Money - Invalid Input:
>> String instead of two-decimal numerical input


```
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$ Hello, welcome to Leo's Bank Account Simulation! $$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$


========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
==========================
Choose an option: 1
How much money do you want to deposit? HI
Oops enter a valid number:
How much money do you want to deposit? █
```

(1c) User Deposits Money - Invalid Input:
>> Negative Deposit Amount


```
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$ Hello, welcome to Leo's Bank Account Simulation! $$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$


========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
==========================
Choose an option: 1
How much money do you want to deposit? -10
Oops enter a valid number:
How much money do you want to deposit? █
```

(2) Make a Payment

(2a) User Makes a Payment - Successful

```
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$ Hello, welcome to Leo's Bank Account Simulation! $$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$


========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option: 2
What item are you purchasing? Banana
How much does the item 'Banana' cost? 0.14
Your new balance is: $999.86

========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option:
```

(2b) User Makes a Payment - Invalid Input:
>> Numerical input for item name

(2c) User Makes a Payment - Invalid Input:
>> Negative Purchase Amount


```
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$ Hello, welcome to Leo's Bank Account Simulation! $$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$


========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
==========================
Choose an option: 2
What item are you purchasing? Banana
How much does the item 'Banana' cost? -0.14
Oops enter a valid number:
How much does the item 'Banana' cost?
```

(2d) User Makes a Payment - Invalid Input:
>> Purchase Amount Exceeds Balance

```
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$ Hello, welcome to Leo's Bank Account Simulation! $$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$


========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option: 2
What item are you purchasing? house
How much does the item 'house' cost? 1000000
Ooops but you don't have enough money!

========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option: █
```

(3) Check Balance

(3a) User Checks Balance - Successful

```
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$ Hello, welcome to Leo's Bank Account Simulation! $$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$


========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option: 3
Your current balance is: $1000.00

========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option:
```

(4) See Transaction History

(4a) See Transaction History - Successful

```
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$ Hello, welcome to Leo's Bank Account Simulation! $$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$


========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option: 1
How much money do you want to deposit? 1000000000000000
Your new balance is: $1000000000001000.00

========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option: 2
What item are you purchasing? house
How much does the item 'house' cost? 24000000
Your new balance is: $999999976001000.00

========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option: 4

Transaction history:
----------------------------------------
Starting Balance: $1000.00
Deposit: $1000000000000000.00 | Balance after transaction: $1000000000001000.00
Purchase — house: $24000000.00 | Balance after transaction: $999999976001000.00
----------------------------------------

========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option:
Execution stopped
```

(4b) See Transaction History - None

```
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$ Hello, welcome to Leo's Bank Account Simulation! $$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$


========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option: 4

Transaction history:
----------------------------------------
Starting Balance: $1000.00
No transactions yet. Try making a deposit or purchase first!
----------------------------------------

========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
========================
Choose an option: █
```

(5) Exit Program

(5a) Exit Program - Successful

```
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$ Hello, welcome to Leo's Bank Account Simulation! $$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$


========= MENU =========
1. Deposit Money
2. Make a Payment
3. Check Balance
4. See Transaction History
5. Exit
=========================
Choose an option: 5
Bye, bye see you next time!

Normal program termination. Exit status: 0
```