Name: Son Tran

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CS 131

January 21st , 2017

Test Plan for Project 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Purchase Input** | **Expected Purchase Output** | **Actual Purchase Output** | **Reason for Test** | **Reason for Difference** |
| **1** | **15.3456** | **15.35** | **15.35** | **Small Rounding** | **n/a** |
| **2** | **1945647.246** | **1945647.25** | **1945647.25** | **Big Rounding** | **n/a** |
| **3** | **-254.32** | **-254.32** | **-254.32** | **Negative number** | **n/a** |
| **4** | **I am Son Tran** | **asking to enter again until input is correct** | **prompt to ask for input again** | **Non-numeric** | **n/a** |

Data for money purchase input:

Data for money tender input:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Money Tendered Input** | **Expected Money Tendered Output** | **Actual Money Tendered Output** | **Reason for Test** | **Reason for Difference** |
| **1** | **24.3569** | **24.36** | **24.36** | **Small rounding** | **n/a** |
| **2** | **3651784.339** | **3651784.34** | **3651784.34** | **Large rounding** | **n/a** |
| **3** | **-365.17** | **-365.17** | **-365.17** | **Negative number** | **n/a** |
| **4** | **surprise** | **asking to enter again until input is correct** | **prompt to ask for input again** | **Non-numeric** | **n/a** |

Chang Amount output

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Purchase Input** | **Money Tendered Input** | **Expected Change Output** | **Actual** | **Reason for Test** | **Reason for Difference** |
| **Change Output** |
| **1** | **15.35** | **24.36** | **9.01** | **9.01** | **small number Calculation** | **n/a** |
| **2** | **1945647.25** | **3651784.34** | **1706137.09** | **1706137.09** | **big number Calculation** | **n/a** |
| **3** | **-254.32** | **-365.17** | **-110.85** | **-110.85** | **Owing money and negative number** | **Just different at owing money** |
| **4** | **I am Son Tran enter again 15** | **surprise enter again 69** | **54** | **54** | **test if program work after enter input again** | **n/a** |

Expected Output for amount of Bills

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Amount of Change** | **Twenties** | **Tens** | **Fives** | **Ones** | **Quarters** | **Dimes** | **Nickels** | **Pennies** | **Reason for Test** |
| **1** | **9.01** | **0** | **0** | **1** | **4** | **0** | **0** | **0** | **1** | **small number calculation** |
| **2** | **1706137.09** | **85306** | **1** | **1** | **2** | **0** | **0** | **1** | **4** | **big number calculation** |
| **3** | **-110.85** | **5** | **1** | **0** | **0** | **3** | **1** | **0** | **0** | **Negative number leads to owing** |
| **4** | **program work after enter input again Amount of change after: 54** | **5** | **1** | **0** | **0** | **3** | **1** | **0** | **0** | **Non numeric number** |

Actual Amount out Bills output

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Amount of Change** | **Twenties** | **Tens** | **Fives** | **Ones** | **Quarters** | **Dimes** | **Nickels** | **Pennies** | **Reason for Test** | **Reason of Difference** |
| **1** | **9.01** | **0** | **0** | **1** | **4** | **0** | **0** | **0** | **1** | **small number calculation** | **n/a** |
| **2** | **1706137.09** | **85306** | **1** | **1** | **2** | **0** | **0** | **1** | **4** | **big number calculation** | **n/a** |
| **3** | **-110.85** | **5** | **1** | **0** | **0** | **3** | **1** | **0** | **0** | **Negative number leads to owing** | **n/a** |
| **4** | **program work after enter input again Amount of change after: 54** | **5** | **1** | **0** | **0** | **3** | **1** | **0** | **0** | **Non numeric number** | **n/a** |