Test Plan

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| **Test Case** | **Description** | **Procedure** | **Expected Result** |
| Zero Dollars | Test “Zero Dollars” returned correctly (minimum value) | 1. Input “0” 2. Submit 3. Input “0.00” 4. Submit 5. Input “.0” 6. Submit | “Zero Dollars”  “Zero Dollars”  “Zero Dollars” |
| Validation – Negative Numbers | Test negative numbers are not allowed. | 1. Input “-0.3” 2. Submit 3. Input “-1” 4. Submit | “Invalid Number”  “Invalid Number” |
| Validation – Non numeric values | Test non-numeric values are not allowed. | 1. Input “a” 2. Submit 3. Input “$” 4. Submit 5. Input “0.-1” 6. Submit | “Invalid Number”  “Invalid Number”  “Invalid Number” |
| Cents Only | Test values that contain only a fractional component | 1. Input “0.2” 2. Submit 3. Input “0.20” 4. Submit 5. Input “0.02” 6. Submit 7. Input “0.12” 8. Submit 9. Input “0.01” 10. Submit | “Twenty Cents”  “Twenty Cents”  “Two Cents”  “Twelve Cents”  “One Cent” |
| Dollars Only | Test values that contain only an integer component (i.e. whole numbers) | 1. Input “2” 2. Submit 3. Input “2.0” 4. Submit | “Two Dollars”  “Two Dollars” |
| One to Ten | Test values 1-10 | 1. Input “1” 2. Submit 3. Input “2” 4. Submit 5. Input “3” 6. Submit 7. Input “4” 8. Submit 9. Input “5” 10. Submit 11. Input “6” 12. Submit 13. Input “7” 14. Submit 15. Input “8” 16. Submit 17. Input “9” 18. Submit 19. Input “10” 20. Submit | “One Dollar”  “Two Dollars”  “Three Dollars”  “Four Dollars”  “Five Dollars”  “Six Dollars”  “Seven Dollars”  “Eight Dollars”  “Nine Dollars”  “Ten Dollars” |
| Eleven to Twenty | Test values 11-20 | 1. Input “11” 2. Submit 3. Input “12” 4. Submit 5. Input “13” 6. Submit 7. Input “14” 8. Submit 9. Input “15” 10. Submit 11. Input “16” 12. Submit 13. Input “17” 14. Submit 15. Input “18” 16. Submit 17. Input “19” 18. Submit 19. Input “20” 20. Submit | “Eleven Dollars”  “Twelve Dollars”  “Thirteen Dollars”  “Fourteen Dollars”  “Fifteen Dollars”  “Sixteen Dollars”  “Seventeen Dollars”  “Eighteen Dollars”  “Nineteen Dollars”  “Twenty Dollars” |
| Twenty-One | Test value 21 (boundary test) | 1. Input “21” 2. Submit | “Twenty-One Dollars” |
| Ten to a Hundred | Test multiples of 10 (e.g. 10, 20, 30, etc) | 1. Input “10” 2. Submit 3. Input “20” 4. Submit 5. Input “30” 6. Submit 7. Input “40” 8. Submit 9. Input “50” 10. Submit 11. Input “60” 12. Submit 13. Input “70” 14. Submit 15. Input “80” 16. Submit 17. Input “90” 18. Submit 19. Input “100” 20. Submit | “Ten Dollars”  “Twenty Dollars”  “Thirty Dollars”  “Forty Dollars”  “Fifty Dollars”  “Sixty Dollars”  “Seventy Dollars”  “Eighty Dollars”  “Ninety Dollars”  “One Hundred Dollars” |
| Thousands | Test multiples of 1000 (e.g. 1000, 2000, 3000, etc) | 1. Input “1000” 2. Submit 3. Input “2000” 4. Submit 5. Input “3000” 6. Submit 7. Input “4000” 8. Submit 9. Input “5000” 10. Submit 11. Input “6000” 12. Submit 13. Input “7000” 14. Submit 15. Input “8000” 16. Submit 17. Input “9000” 18. Submit 19. Input “10000” 20. Submit | “One Thousand Dollars”  “Two Thousand Dollars”  “Three Thousand Dollars”  “Four Thousand Dollars”  “Five Thousand Dollars”  “Six Thousand Dollars”  “Seven Thousand Dollars”  “Eight Thousand Dollars”  “Nine Thousand Dollars”  “Ten Thousand Dollars” |
| One Thousand and One | Test value 1001 (boundary test) | 1. Input “1001” 2. Submit | “One Thousand One Dollars” |
| Millions | Test million values | 1. Input “10000000” 2. Submit | “Ten Million Dollars” |
| Billions | Test billion values | 1. Input “11000000000” 2. Submit | “Eleven Billion Dollars” |
| Trillions | Test trillion values | 1. Input “31000000000000” | “Thirty-One Trillion Dollars” |
| Dollars and Cents | Test values with both integer and decimal values | 1. Input “1.23” 2. Submit | “One Dollar And Twenty-Three Cents” |
| Max value | Test maximum value supported | 1. Input “999999999999999999999999999999999999.99” 2. Submit | “Nine Hundred And Ninety-Nine Decillion Nine Hundred And Ninety-Nine Nonillion Nine Hundred And Ninety-Nine Octillion Nine Hundred And Ninety-Nine Septillion Nine Hundred And Ninety-Nine Sextillion Nine Hundred And Ninety-Nine Quintillion Nine Hundred And Ninety-Nine Quadrillion Nine Hundred And Ninety-Nine Trillion Nine Hundred And Ninety-Nine Billion Nine Hundred And Ninety-Nine Million Nine Hundred And Ninety-Nine Thousand Nine Hundred And Ninety-Nine Dollars And Ninety-Nine Cents” |
| Greater than max value | Test values over the maximum supported value is rejects | 1. Input “1000000000000000000000000000000000000.99” 2. Submit | “Value Too Large” |