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| **Test Case ID** | **Test Scenario** | **Pre Conditions** | **Test Steps** | **Test Data** | **Expected results** | **Actual Results** | **Pass/Fail** |
| TCA1 | Check website to do basic addition. | Only numbers, decimal point and negative sign accepted | 1. Go to <https://serene-beyond-81752.herokuapp.com/#/>  2. Enter first number  3. Enter second number  4. Select operand (+) from drop down menu  5. Click Calculate | First number = 1  Second number = 2  Operand = (+) | 3 | 3 | pass |
| TCA2 | Check website to do basic subtraction | Only numbers, decimal point and negative sign accepted | 1. Go to <https://serene-beyond-81752.herokuapp.com/#/>  2. Enter first number  3. Enter second number  4. Select operand (-) from drop down menu  5. Click Calculate | First number = 1  Second number = 2  Operand =  (-) | -1 | -1 | pass |
| TCA3 | Check website to do basic division | Only numbers, decimal point and negative sign accepted | 1. Go to <https://serene-beyond-81752.herokuapp.com/#/>  2. Enter first number  3. Enter second number  4. Select operand (÷) from drop down menu  5. Click Calculate | First number = 6  Second number = 2  Operand =  (÷) | 3 | 3 | pass |
| TCA4 | Check website to do basic multiplication | Only numbers, decimal point and negative sign accepted | 1. Go to <https://serene-beyond-81752.herokuapp.com/#/>  2. Enter first number  3. Enter second number  4. Select operand (x) from drop down menu  5. Click Calculate | First number = 5  Second number = 10  Operand =  (x) | 50 | 50 | pass |
| TCA5 | Check for updates on history of operations performed in scenario A. | TCA1 | 1. Go through test case TCA1.  2. Do TCA1 a second time with different test data. | Step 1 test data:  First number = 2  Second number = 3  Operand = (x)  Step 2 test data:  First number = 15  Second number = 5  Operand = (/) | History section should update with each test. Written full individual equation in descending order. | History section updated with individual equations in both instances in descending order. | pass |
| TCB1 | Check for at least one adjective to be checked | Text box must have default value of “generated message displays here…”, must have 3 checkboxes with adjectives and must have 3 different nouns to select | 1. Go to <https://serene-beyond-81752.herokuapp.com/#/>  2. Select 1 or more adjectives  3. Select an animal  4. Click Generate | Acidic and Devilish were selected as adjectives.  Porcupine was the selected animal. | The text box should reveal Acidic, Devilish Porcupine. | As expected | pass |
| TCC1 | Check to see if selected predefined data gets added on correctly to number total displayed in scenario C | Initial number must start at 473,268. | 1. Go to <https://serene-beyond-81752.herokuapp.com/#/>  2. Select one or more predefined number to be updated in the total  3. Click update total | 1230 and 5 selected. | 474,503 | 474,503 | pass |
| TCC2 | Color of the updated total should change to orange once the “Update Total” button is pressed. | TCC1 | 1. Go to <https://serene-beyond-81752.herokuapp.com/#/>  2. Select one or more predefined number to be updated in the total  3. Click update total | 888 and 2000 selected. | Orange updated color for result. | As expected | pass |
| TCD1 | Check when letters and/or numbers entered, Section D validates. | Default message within text block says “Enter message.” | 1. Go to <https://serene-beyond-81752.herokuapp.com/#/>  2. Enter any combination of letters and/or numbers without spacing  3. click “Validate” | “40Dx2” entered. | Green check mark with the word “Success” written below the button “Validate” | As expected | pass |
| TCD2 | Check when any character other than a letter and/or number entered, Section D invalidates and throws error message stating “Can only use letters and numbers.” | Default message within text block says “Enter message.” | 1. Go to <https://serene-beyond-81752.herokuapp.com/#/>  2. Enter any combination of letters and/or numbers without spacing  3. click “Validate” | “. 25a” | Red error message stating that “Can only use letters and numbers.” Underneath the text box. | As expected | pass |