# Test Cases For Tip Calculator

| Project Name | Tip Calculator |
|---|---|
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## Testing Criteria:

1. UI (User Interface) Testing
2. Functional Testing.

## UI Testing of Tip Calculator:

| Serial Number | Testing Description | Expected Behaviour | Actual Behaviour |
|---|---|---|---|
| 1 | **Position of the Application** | Center of the Screen | Center of the Screen when launched. |
| 2 | **Changing the position of the application** | Should be Possible | Can change easily by dragging it to the required position. |
| 3 | **Maximization** | Prohibited | Maximize button is disabled. |
| 4 | **Minimization** | Allowed | Can be done by using the minimize button. |

| 5 | Size of the Application | (703- W, 313-H) | (703- W, 313-H) |
|---|---|---|---|
| 6 | Resizable | Prohibited | Cannot Resize |
| 7 | Fonts | Microsoft sans serif | Microsoft sans serif |
| 8 | Default Values when application launched or reset | Bill - 0.00<br>Tip - 10%<br>Number of people - 1<br>Tip/ person - $0.00<br>Total/person - $0.00 | Bill - 0.00<br>Tip - 10%<br>Number of people - 1<br>Tip/ person - $0.00<br>Total/person - $0.00 |
| 9 | Labeling | Proper Labeling for each Text box | 5 Different Text boxes with Proper label of description |
| 10 | Application Name with Logo | Should be clearly Visible | Name and the logo Mentioned in the title bar of the Application. |
| 11 | Similar Interface | A similar interface should be there as required. | An exactly similar interface is made as shown in the given picture. |

## Functional Testing of Tip Calculator:

| Serial Number | Testing Description | Expected Behaviour | Actual Behaviour |
|---|---|---|---|
| 1 | Clicking Anywhere over the Application | Set back to default values. | All entered values cleared and the application set to default values. |
| 2 | Entering alphabets/Special symbols in Bill Text Box. | Prohibited | Would not take any values other than integer and floats. |
| 3 | Entering negative values in Bill Text Box. | Prohibited | Only Positive values are allowed. |
| 4 | Entering alphabets/Special symbols in Tip % | Prohibited | Would not take any values other than integer, floats |

| | | | and %. |
|---|---|---|---|
| 5 | **Entering negative values in Bill Tip %.** | Prohibited | Only Positive values are acceptable. |
| 6 | **Entering Alphabet/floating /Special Symbols in Number of People.** | Prohibited | Only positive Integer values are acceptable in the Number of people text box. |
| 7 | **Altering Tip per person** | Prohibited | Immutable entity |
| 8 | **Altering Total per person** | Prohibited | Immutable entity |
| 9 | **Clearing the Bill amount** | Allowed | Allowed |
| 10 | **Clearing the Tip%** | Allowed | Allowed |
| 11 | **Clearing the Number of people** | Allowed | Allowed |
| 12 | **Click decrement (-) button associated with tip%** | Tip % should reduce by 1% | Tip % reduced by 1% |
| 13 | **Click Increment (+) button associated with tip%** | Tip % should Increase by 1% | Tip % Increased by 1% |
| 14 | **Click decrement (-) button associated with Num of people** | The number of people should reduce by 1. | The number of people reduced by 1. |
| 15 | **Click Increment(+) button associated with Num of people** | The number of people should increase by 1. | The number of people incremented by 1. |
| 16 | **Click Decrement(-) Tip% below 0%** | Prohibited | No effect |
| 17 | **Click Decrement(-) Num of People below 1** | Prohibited | No effect |
| 18 | **Incrementing Tip% when Tip% box is empty** | 1% should be autofill in Tip% | 1% auto-filled in Tip% |
| 19 | **Decrementing Tip% when Tip% box is empty** | 0% should autofill in Tip% | 0% auto-filled in Tip% |
| 20 | **Incrementing Num of people when the text box is empty** | 1 should be autofill in Num of people box | 1 auto-filled in Num of people box. |
| 21 | **Decrementing Num of people when the text box is empty** | 1 should be autofill in Num of people box | 1 auto-filled in Num of people box. |