**TC01: Page Availability and Layout**

**Steps:**

1. Navigate to http://www.calkoo.com/?lang=3&page=8.
2. Observe the page layout and confirm the presence of input fields for Country, NET, VAT, and GROSS, as well as radio buttons for VAT percentages.

**Expected Result:**

* The page loads without errors.
* All input fields, and radio buttons are visible.
* The pie chart area (if visible) should be present in the layout.

**TC02: Calculation when NET is provided**

**Steps:**

1. Select country (e.g. Germany)
2. Select a VAT percentage using the radio buttons (e.g., 19%).
3. Enter 100.00 in the NET field.

**Expected Result:**

* VAT and GROSS values are correctly calculated (VAT should be 19.00, GROSS should be 119.00 for 19% VAT).
* The pie chart should display the correct proportion (NET portion vs. VAT portion). When hovering over the chart, tooltips should reflect accurate values.

**TC03: Calculation when GROSS is provided**

**Steps:**

1. Select country (e.g. Germany)
2. Select a VAT percentage using the radio buttons (e.g., 19%).
3. Enter 119.00 in the GROSS field.

**Expected Result:**

* VAT and NET values are correctly calculated (VAT should be 19.00, NET should be 100.00 for 19% VAT).
* The pie chart should display the correct proportion (NET portion vs. VAT portion). When hovering over the chart, tooltips should reflect accurate values.

**TC04: Calculation when VAT is provided**

**Steps:**

1. Select country (e.g. Germany)
2. Select a VAT percentage using the radio buttons (e.g., 19%).
3. Enter 19.00 in the VAT field.

**Expected Result:**

* NET should be 100.00 and GROSS should be 119.00.
* The pie chart should display the correct ratio and tooltips.

**TC05: Negative Value Input**

**Steps:**

1. Select country (e.g. Germany)
2. Select a VAT percentage using the radio buttons (e.g., 19%)
3. Enter -10.00 into the NET field

**Expected Result:**

* The system should not perform a valid calculation.
* An error message should appear indicating that negative input is not allowed.
* No valid pie chart data should be displayed.

**TC06: Input Exceeding Maximum Allowed Value**

**Steps:**

1. Try Enter 1000000000 (one billion) 10 digits into the NET field (assuming limit is <1,000,000,000). Input field should not allow you to do so. 9 digits is maximum.
2. Try to inject by console 10 digits number.
3. Select 19% VAT.

**Expected Result:**

* An error message should appear indicating the value exceeds the maximum allowed amount.
* No calculation should be performed, and the pie chart should not show valid data.

**TC07: More than Two Decimal Places** **Steps:**

1. Select country (e.g. Germany)
2. Select a VAT percentage using the radio buttons (e.g., 19%)
3. Enter 100.9999 in the NET field.

**Expected Result:**

* The system should either round the input to two decimal places or produce an error message indicating invalid input format (depending on the specified requirements, which are unclear and should be clarified).
* If rounded, results should be displayed and pie chart updated accordingly. If not allowed, an error message should appear.

**TC08: Different VAT Percentage Check**

**Steps:**

1. Select country (e.g. Germany)
2. Select a different VAT percentage using the radio buttons (e.g., 7%)
3. Enter 200.00 in the NET field.

**Expected Result:**

* VAT should be 14.00 and GROSS should be 214.00.
* The pie chart should represent these values accurately.
* Hovering over the chart should show correct tooltips.

**TC09: Check Pie Chart Mouseover/Tooltip**

**Steps:**

1. Perform a valid calculation (e.g., TC02 scenario).
2. Move the mouse pointer over the segments of the pie chart.

**Expected Result:**

* Tooltips appear, showing the correct numeric values for NET and VAT segments.
* The percentage or ratio displayed matches the calculated values.

**TC10: Clear/Reset Functionality**

**Steps:**

1. After a calculation, try to clear data or click reset button

**Expected Result:**

* Fields return to default empty state.
* Pie chart returns to default/no-data state.