

Test Case Type	Acceptance - AUTOMATED
Test Case Name	The input and associated tooltip and links are appearing on the mortgage calculator page
Description	Verify "Interest Rate" field and header are appearing and all relevant details display along with it
Test Data	n/a
Steps	<ol style="list-style-type: none"> 1. Open "Mortgage Calculator" page 2. Observe "Interest Rate" section. Verify header for section is correctly labeled "Interest Rate" with an asterisk 3. Verify that the input field contains a valid numerical value (like between 5-7% but check current rates) 4. Click the tooltip icon to the right of the "Interest Rate" field name 5. Verify tooltip opens 6. Verify tooltip header is 'Interest Rate' 7. Verify tooltip contents are correct "Representative interest rates are based upon a national, or state specific average from lenders quoting on Zillow for preliminary research purposes only. Actual available rates and monthly payment amounts are subject to market fluctuations and will depend on a number of factors, including geography and loan characteristics." 8. Verify tooltip can be closed by clicking X in upper right corner OR by clicking anywhere in the window outside of the tooltip itself 9. Verify the text that says "See Current Rates" to the left of the field header is a link and will redirect to the URL: https://www.zillow.com/mortgage-rates/?value=300000&down=60000&auto=true&va=false&source=Z_Mortgage_Calc_rates
Expected Result	Input field displays and has all relevant information
Actual Result	Input field displays and has all relevant information
Status	PASSED
Test Case ID	Acceptance
Test Case Name	Verify default behavior
Description	When the page loads, there should be default values present in all fields
Test Data	n/a
Steps	<ol style="list-style-type: none"> 1. Open "Mortgage Calculator" page 2. Observe "Home price" section. Verify a valid value is present in this field and no errors are present 3. Observe "Down payment" section. Verify a valid value is present in this field and no errors are present 4. Observe "Loan term" section. Verify a valid loan term amount is present 5. Observe "Interest Rate" section. Verify a valid number (likely between 5-7%) is displayed
Expected Result	All fields are present and contain valid numbers
Actual Result	All fields are present and contain valid numbers
Status	PASSED

Test Case ID	Acceptance, E2E
Test Case Name	Changing home price changes interest rate
Description	Changing the home price updates the interest rate
Test Data	Home price: 575000
Steps	<ol style="list-style-type: none"> 1. Open "Mortgage Calculator" page 2. Observe "Home price" section. Verify a valid value is present in this field and no errors are present 3. Observe "Down payment" section. Verify a valid value is present in this field and no errors are present 4. Observe "Loan term" section. Verify a valid loan term amount is present 5. Observe "Interest Rate" section. Verify a valid number (likely between 5-7%) is displayed 6. Update the home price to 575000 7. Observe "Interest Rate" section. Verify a different valid number (likely between 5-7%) is displayed.
Expected Result	Updating the home price updates the interest rate
Actual Result	Updating the home price updates the interest rate
Status	PASSED
Test Case ID	Acceptance, E2E
Test Case Name	Changing down payment changes interest rate (dollar input)
Description	Changing the down payment dollar input field updates the interest rate to a new number
Test Data	Down payment: 15000
Steps	<ol style="list-style-type: none"> 1. Open "Mortgage Calculator" page 2. Observe "Home price" section. Verify a valid value is present in this field and no errors are present 3. Observe "Down payment" section. Verify a valid value is present in this field and no errors are present 4. Observe "Loan term" section. Verify a valid loan term amount is present 5. Observe "Interest Rate" section. Verify a valid number (likely between 5-7%) is displayed 6. Update the down payment to 15000 7. Verify the down payment percent field updates to the correct amount (if the home price is defaulted to \$300000, it should now be 5%) 7. Observe "Interest Rate" section. Verify a different valid number (likely between 5-7%) is displayed.
Expected Result	Updating the down payment dollar amount updates the down payment percentage and interest rate
Actual Result	Updating the down payment dollar amount updates the down payment percentage and interest rate
Status	PASSED
Test Case ID	Acceptance, E2E

Test Case Name	Changing down payment changes interest rate (% input)
Description	Changing the down payment % input field updates the interest rate to a new number
Test Data	Down payment percentage: 10
Steps	<ol style="list-style-type: none"> 1. Open "Mortgage Calculator" page 2. Observe "Home price" section. Verify a valid value is present in this field and no errors are present 3. Observe "Down payment" section. Verify a valid value is present in this field and no errors are present 4. Observe "Loan term" section. Verify a valid loan term amount is present 5. Observe "Interest Rate" section. Verify a valid number (likely between 5-7%) is displayed 6. Update the down payment percentage to 10% 7. Verify the down payment percent field updates to the correct amount (if the home price is defaulted to \$300000, it should now be \$30000) 7. Observe "Interest Rate" section. Verify a different valid number (likely between 5-7%) is displayed.
Expected Result	Updating the down payment percentage updates down payment dollar field and the interest rate
Actual Result	Updating the down payment percentage updates down payment dollar field and the interest rate
Status	PASSED
Test Case Type	Acceptance, E2E - AUTOMATED
Test Case Name	Changing loan term changes interest rate
Description	Changing the loan term updates the interest rate to a new number
Test Data	Loan Term: 15 year fixed
Steps	<ol style="list-style-type: none"> 1. Open "Mortgage Calculator" page 2. Observe "Home price" section. Verify a valid value is present in this field and no errors are present. 3. Observe "Down payment" section. Verify a valid value is present in this field and no errors are present. 4. Observe "Loan term" section. Verify a valid loan term amount is present. 5. Observe "Interest Rate" section. Verify a valid number (likely between 5-7%) is displayed. 6. Change the loan term from '30 year fixed' to '15 year fixed' 7. Observe "Interest Rate" section. Verify a different valid number (likely between 5-7%) is displayed.
Expected Result	Updating the loan term updates the interest rate
Actual Result	Updating the loan term updates the interest rate
Status	PASSED
Test Case ID	E2E
Test Case Name	Updating all fields (home price, down payment, and loan term) updates interest rate
Description	Updating all fields updates the interest rate

Test Data	Home price: 613000 Down payment: 50000 Loan Term: 5-year ARM
Steps	<ol style="list-style-type: none"> 1. Open "Mortgage Calculator" page 2. Observe "Home price" section. Verify a valid value is present in this field and no errors are present. 3. Observe "Down payment" section. Verify a valid value is present in this field and no errors are present. 4. Observe "Loan term" section. Verify a valid loan term amount is present. 5. Observe "Interest Rate" section. Verify a valid number (likely between 5-7%) is displayed. 6. Change the home price to 613000 7. Change the down payment to 50000 8. Change the loan term from '30 year fixed' to '5-year ARM 9. Observe "Interest Rate" section. Verify a different valid number (likely between 5-7%) is displayed.
Expected Result	Updating all fields updates the interest rate
Actual Result	Updating all fields updates the interest rate
Status	PASSED
Test Case Type	Acceptance, Negative
Test Case Name	Home price' field only accepts valid inputs
Description	Verify the boundaries of the 'Home price' field by testing invalid inputs
Test Data	Leave it blank 0 (zero) 05000 (leading zeroes) (spacebar once) Value > 5000 Value < 1000000000 abc (letters) `~!@#\$%^&*() (special characters) 500000.50 (decimals) .5000 (leading decimal) -5000 (negatives within boundaries) -1000000000 (negatives within boundaries)
Steps	<ol style="list-style-type: none"> 1. Open "Mortgage Calculator" page 2. Observe "Home price" section. Verify a valid value is present in this field and no errors are present. 3. Input different data types from 'Test Data' section into this field. (You will have to input the data and then click outside of the input OR hit 'enter' to have the form register the change)
Expected Result	Input highlights in red and error messaging appears for anything that is not a numerical input.

Actual Result	Input highlights in red and error messaging appears for anything that is not a valid input. In some cases the input "corrects" the value entered
Status	INCONCLUSIVE - Want to clarify behavior - when entering anything with a leading zero or a decimal place, the form automatically corrects the input. Is this expected?