

PROJECT NAME - INTEREST RATE CALCULATOR

Test Case ID: 003

Test Priority (Low/Medium/High): Low

Module Name: Calculate according to age and deposit value.

Description: Analyze and validate the operation of interest calculator according to age and deposit value.

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Test Designed date: 18/09/2020

Test Executed by: Anderson Fernandes

Test Execution date: 21/03/2020

Story: A calculator needs to be tested. It must show the annual interest rate according to the value of the deposit and the age of the client:

Only adults (over 18) can make deposits;

Customers over the age of 60 have a fixed interest rate of 2%;

The minimum deposit amount is R\$ 100.00;

The maximum deposit amount is R\$ 10,000.00.

Thus, the interest rate on the value of deposits is:

R\$ 100,00 - R\$ 999,00 = 1.0 %

R\$ 1.000,00 - R\$ 4.999,00 = 1.3 %

R\$ 5.000,00 - R\$ 10.000,00 = 1.5 %

Functionality 1: Free deposit for adults (over 18).

Scenario: Turn “Deposit made successfully” when the customer is an adult.

Given: Realizing the deposit.

When: The customer is 18 years.

Then: Send a function to the calculator release deposit and return “Deposit made successfully”.

Functionality 2: Free deposit for adults (over 18).

Scenario: Turn “Deposit made successfully” when the customer is an adult.

Given: Realizing the deposit.

When: The customer is 19 years.

Then: Send a function to the calculator release deposit and return “Deposit made successfully”.

Functionality 3: Do not release deposits for children and teenagers (under 18).

Scenario: Turn “Deposit not made” when the customer is children.

Given: Realizing the deposit.

When: The customer is 17 years.

Then: Send function to calculator does not make deposit and return “Deposit not made. You don't fit the age parameters.”

Functionality 4: Release deposit for customers over 60 with a fixed interest rate of 2%.

Scenario: Turn “Deposit made successfully” with fixed interest rate at 2%

Given: Realizing the deposit.

When: The customer is 61 years.

Then: Send a function to the calculator release deposit with a fixed interest rate of 2% and return “Deposit made successfully”.

Functionality 5: Do not charge a fixed interest rate of 2% for customers with age less or equal 60.

Scenario: Turn “Deposit made successfully” without interest rate fixed at 2%

Given: Realizing the deposit.

When: The customer is 60 years.

Then: Send a function to the calculator release deposit with interest rate relative to the value and return “Deposit made successfully”.

Functionality 6: Do not charge a fixed interest rate of 2% for customers with age less or equal 60.

Scenario: Turn “Deposit made successfully” without interest rate fixed at 2%

Given: Realizing the deposit.

When: The customer is 59 years.

Then: Send a function to the calculator release deposit with interest rate relative to the value and return “Deposit made successfully”.

Functionality 7: Only release deposits equal to or greater than R\$ 100,00.

Scenario: Turn “Deposit made successfully” when the value is greater than or equal to R\$ 100,00.

Given: Realizing the deposit.

When: The value is R\$ 100,00.

Then: Send a function to the calculator release deposit and return “Deposit made successfully”.

Functionality 8: Only release deposits equal to or greater than R\$ 100,00.

Scenario: Turn “Deposit made successfully” when the value is greater than or equal to R\$ 100,00.

Given: Realizing the deposit.

When: The value is R\$ 101,00.

Then: Send a function to the calculator release deposit and return “Deposit made successfully”.

Functionality 9: Only release deposits equal to or greater than R\$ 100,00.

Scenario: Turn “Deposit not made. You don't fit the value parameters.” when the value is less R\$ 100,00.

Given: Realizing the deposit.

When: The value is R\$ 99,00.

Then: Send function to calculator does not make deposit and return “Deposit not made. You don't fit the value parameters.”

Functionality 10: Make deposits up to a maximum of R\$ 10.000,00.

Scenario: Turn “Deposit made successfully” when the value is less or equal R\$ 10.000,00.

Given: Realizing the deposit.

When: The value is R\$ 10.000,00.

Then: Send a function to the calculator release deposit and return “Deposit made successfully”.

Functionality 11: Make deposits up to a maximum of R\$ 10.000,00.

Scenario: Turn “Deposit made successfully” when the value is less or equal R\$ 10.000,00.

Given: Realizing the deposit.

When: The value is R\$ 9.999,00.

Then: Send a function to the calculator release deposit and return “Deposit made successfully”.

Functionality 12: Make deposits up to a maximum of R\$ 10,000.00.

Scenario: Turn “Deposit not made. You don't fit the value parameters.” when the value is greater than R\$ 10,000.00.

Given: Realizing the deposit.

When: The value is R\$ 10,001.00.

Then: Send function to calculator does not make deposit and return “Deposit not made. You don't fit the value parameters.”

Functionality 13: Charge 1.0% interest rate on deposits between R\$ 100,00 and R\$ 999,00.

Scenario: Turn “Deposit made successfully. Your interest rate was 1.0%” when the value is between R\$100,00 and R\$ 999,00.

Given: Realizing the deposit.

When: The value is R\$ 100,00.

Then: Send a function to the calculator release deposit and return “Deposit made successfully. Your interest rate was 1.0%”.

Functionality 14: Charge 1.0% interest rate on deposits between R\$ 100,00 and R\$ 999,00.

Scenario: Turn “Deposit made successfully. Your interest rate was 1.0%” when the value is between R\$100,00 and R\$ 999,00.

Given: Realizing the deposit.

When: The value is R\$ 999,00.

Then: Send a function to the calculator release deposit and return “Deposit made successfully. Your interest rate was 1.0%”.

Functionality 15: Charge 1.3% interest rate on deposits between R\$ 1.000,00 and R\$ 4.999,00.

Scenario: Turn “Deposit made successfully. Your interest rate was 1.3%” when the value between R\$ 1.000,00 and R\$ 4.999,00.

Given: Realizing the deposit.

When: The value is R\$ 1.000,00.

Then: Send a function to the calculator release deposit and return “Deposit made successfully. Your interest rate was 1.3%”.

Functionality 16: Charge 1.3% interest rate on deposits between R\$ 1.000,00 and R\$ 4.999,00.

Scenario: Turn “Deposit made successfully. Your interest rate was 1.3%” when the value between R\$ 1.000,00 and R\$ 4.999,00.

Given: Realizing the deposit.

When: The value is R\$ 4.999,00.

Then: Send a function to the calculator release deposit and return “Deposit made successfully. Your interest rate was 1.3%”.

Functionality 17: Charge 1.5% interest rate on deposits between R\$ 5.000,00 and R\$ 10.000,00.

Scenario: Turn “Deposit made successfully. Your interest rate was 1.5%” when the value between R\$ 5.000,00 and R\$ 10.000,00.

Given: Realizing the deposit.

When: The value is R\$ 5.000,00.

Then: Send a function to the calculator release deposit and return “Deposit made successfully. Your interest rate was 1.5%”.

Functionality 18: Charge 1.5% interest rate on deposits between R\$ 5.000,00 and R\$ 10.000,00.

Scenario: Turn “Deposit made successfully. Your interest rate was 1.5%” when the value between R\$ 5.000,00 and R\$ 10.000,00.

Given: Realizing the deposit.

When: The value is R\$ 10.000,00.

Then: Send a function to the calculator release deposit and return “Deposit made successfully. Your interest rate was 1.5%”.