Application III - Interest Rate Calculator

Feature: To calculate the annual interest rate, according to age and amount of the deposits.
   As a customer
   I want to inform my age and the amount of my deposit
   In order to calculate the annual interest rate

Description: For a given deposit amount and the customer's age, the calculator shows the annual interest rate according to the following
rules:

- Only over 18 (eighteen) years can make deposits;
- Customers over the age of 60 (sixty) years have interest rate fixed in 2.0% (two percent);
- The minimum amount for deposit is R$ 100,00 (one hundred reais);
- The maximum amount for deposit is R$ 10.000,00 (ten thousand reais);
- The annual interest rate depends on the amount of the deposit, according to the following rules:
    1. Between R$ 100,00 (one hundred reais) and R$ 999,00 (nine hundred, ninety-nine reais), the annual interest rate will be of 1.0% (one percent);
    2. Between R$ 1.000,00 (one thousand reais) and R$ 4.999,00 (four thousand, nine hundred and ninety-nine reais), the annual interest rate will be of 1.3% (one point three percent);
    3. Between R$ 5.000,00 (five thousand reais) and R$ 10.000,00 (ten thousand reais), the annual interest rate will be of 1.5% (one point five percent);

Scenario 1: User informs the age of 17 (seventeen) years
   Given that people under the age of 18 (eighteen) cannot make deposits
   When the user reports the age of 17 (seventeen) years
   Then the system returns the message "Deposits not available for people under 18 years old"
   And returns to the home page

Scenario 2: User informs the age of 74 (seventy-four) years and a deposit amount of R$ 82,00 (eighty-two reais)
   Given that people over the age of 60 (sixty) have a fixed interest rate of 2.0% (two percent)
   And the deposit amount must be between R$ 100,00 (one hundred reais) and R$ 10.000,00 (ten thousand reais)
   When the user reports the age of 74 (seventy-four) years
   And a deposit amount of R$ 82,00 (eighty-two reais)
   Then the system returns the message "Deposits available only for amounts between R$ 100,00 and R$ 10.000,00"
   And returns to the previous screen

Scenario 3: User informs the age of 61 (sixty-one) years and a deposit amount of R$ 10.500,00 (ten thousand and five hundred reais)

Given that people over the age of 60 (sixty) have a fixed interest rate of 2.0% (two percent)

And the deposit amount must be between R$ 100,00 (one hundred reais) and R$ 10.000,00 (ten thousand reais)

When the user reports the age of 61 (sixty-one) years

And a deposit amount of R$ 10.500,00 (ten thousand and five hundred reais)

Then the system returns the message "Deposits available only for amounts between R$ 100,00 and R$ 10.000,00"

And returns to the previous screen

Scenario 4: User informs the age of 80 (eighty) years and a deposit amount of R$ 650,00 (six hundred and fifty reais)

Given that people over the age of 60 (sixty) have a fixed interest rate of 2.0% (two percent)

And the deposit amount must be between R$ 100,00 (one hundred reais) and R$ 10.000,00 (ten thousand reais)

When the user reports the age of 80 (eighty) years

And a deposit amount of R$ 650,00 (six hundred and fifty reais)

Then the system calculates 2.0% (two percent) of the reported amount

And report the result to the user

Scenario 5: User informs the age of 41 (forty-one) years and a deposit amount of R$ 50,00 (fifty reais)

Given that people aged 18 (eighteen) to 60 (sixty) years have differents interest rates according the amount of the deposit

And the deposit amount must be between R$ 100,00 (one hundred reais) and R$ 10.000,00 (ten thousand reais)

When the user reports the age of 41 (forty-one) years

And a deposit amount of R$ 50,00 (fifty reais)

Then the system returns the message "Deposits available only for amounts between R$ 100,00 and R$ 10.000,00"

And returns to the previous screen

Scenario 6: User informs the age of 18 (eighteen) years and a deposit amount of R$ 10.010,00 (ten thousand and ten reais)

Given that people aged 18 (eighteen) to 60 (sixty) years have differents interest rates according the amount of the deposit

And the deposit amount must be between R$ 100,00 (one hundred reais) and R$ 10.000,00 (ten thousand reais)

When the user reports the age of 18 (eighteen) years

And a deposit amount of R$ 10.010,00 (ten thousand and ten reais)

Then the system returns the message "Deposits available only for amounts between R$ 100,00 and R$ 10.000,00"

And returns to the previous screen

Scenario 7: User informs the age of 37 (thirty-seven) years and a deposit amount of R$ 700,00 (seven hundred reais)

Given that people aged 18 (eighteen) to 60 (sixty) years have differents interest rates according the amount of the deposit

And the deposit amount must be between R$ 100,00 (one hundred reais) and R$ 10.000,00 (ten thousand reais)

And the interest rate for amounts from R$ 100,00 (one hundred reais) to R$ 999,00 (nine hundred and ninety-nine reais) is 1.0% (one percent)

And the interest rate for amounts from R$ 1.000,00 (one thousand reais) to R$ 4.999,00 (four thousand, nine hundred and ninety-nine reais) is 1.3% (one point three percent)

And the interest rate for amounts from R$ 5.000,00 (five thousand reais) to R$ 10.000,00 (ten thousand reais) is 1.5% (one point five percent)

When the user reports the age of 37 (thirty-seven) years

And a deposit amount of R$ 700,00 (seven hundred reais)

Then the system calculates 1% (one percent) of the reported amount

And report the result to the user

Scenario 8: User informs the age of 60 (sixty) years and a deposit amount of R$ 4.200,00 (four thousand and two hundred reais)

Given that people aged 18 (eighteen) to 60 (sixty) years have differents interest rates according the amount of the deposit

And the deposit amount must be between R$ 100,00 (one hundred reais) and R$ 10.000,00 (ten thousand reais)

And the interest rate for amounts from R$ 100,00 (one hundred reais) to R$ 999,00 (nine hundred and ninety-nine reais) is 1.0% (one percent)

And the interest rate for amounts from R$ 1.000,00 (one thousand reais) to R$ 4.999,00 (four thousand, nine hundred and ninety-nine reais) is 1.3% (one point three percent)

And the interest rate for amounts from R$ 5.000,00 (five thousand reais) to R$ 10.000,00 (ten thousand reais) is 1.5% (one point five percent)

When the user reports the age of 60 (sixty) years

And a deposit amount of R$ 4.200,00 (four thousand and two hundred reais)

Then the system calculates 1.3% (one point three percent) of the reported amount

And report the result to the user

Scenario 9: User informs the age of 29 (twenty-nine) years and a deposit amount of R$ 8.700,00 (eight thousand and seven hundred reais)

Given that people aged 18 (eighteen) to 60 (sixty) years have differents interest rates according the amount of the deposit

And the deposit amount must be between R$ 100,00 (one hundred reais) and R$ 10.000,00 (ten thousand reais)

And the interest rate for amounts from R$ 100,00 (one hundred reais) to R$ 999,00 (nine hundred and ninety-nine reais) is 1.0% (one percent)

And the interest rate for amounts from R$ 1.000,00 (one thousand reais) to R$ 4.999,00 (four thousand, nine hundred and ninety-nine reais) is 1.3% (one point three percent)

And the interest rate for amounts from R$ 5.000,00 (five thousand reais) to R$ 10.000,00 (ten thousand reais) is 1.5% (one point five percent)

When the user reports the age of 29 (twenty-nine) years

And a deposit amount of R$ 8.700,00 (eight thousand and seven hundred reais)

Then the system calculates 1.5% (one point five percent) of the reported amount

And report the result to the user