

LIFE PERIOD TEST CASE – APPLICATION 01

- **TEST INFO**

Test ID: IRTST_03

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Test Title: Interest rate validation test.

Description: Check if the inserted data will calculate the correct interest rate based on its rules and display it properly.

Pre-conditions: User is able to access the main screen.

- **BDD SCENARIO**

GIVEN that the user is on the main screen,

WHEN he types the requested fields with age and deposit amount

AND he hits the 'Calculate' button,

THEN the interest rate emerges on the screen,

AND a 'New Calculation' button is displayed on screen.

- **TEST CASE**

| Step | Test Steps | Test Data | Expected Results |
|------|--|---|---|
| 1 | Type an age value | Int-type numbers (1, 2, 3 ... , n) | The typed number is displayed on the input field |
| 1.1 | Check if the input field accepts other digits than numbers | Strings, special characters and the space key | The user can't type any other digits than numbers |
| 1.2 | Check if the max number length allowed is 3. | 3-length int numbers (100, 101, ... , 999) | 3-length int numbers are the |

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| | | | max allowed for the user to type |
| 1.3 | Check if an error is displayed when the input gets an age below 18 | Int numbers below 18 (1, 2 ... , 17) | An error is displayed on screen and the operation can't be done |
| 2 | Type an deposit value | Float and int values | The typed number is displayed on the input field |
| 2.1 | Check if the input field accepts other digits than numbers and a comma or a dot | Strings, other special characters and the space key | The user can't type any other digits. |
| 2.2 | Check if an error is returned when the input field is submitted blank | Blank input field | An 'Type an age' error is displayed on screen |
| 2.3 | Check if a number greater than 10000 typed on the field returns an error | Numbers greater than 10000 | An error is displayed on screen. |
| 2.4 | Check if a number less than 100 typed on the field returns an error | Numbers less than 100 | An error is displayed on screen. |
| 3 | Click on the 'Calculate' button | | The result is displayed on screen |
| 3.1 | Check if the result is 1.0% for values between 100 and 999 | Numbers between 100 and 999 | The result is displayed correctly |
| 3.2 | Check if the result is 1.3% for values between 1000 and 4999 | Numbers between 1000 and 4999 | The result is displayed correctly |
| 3.3 | Check if the result is 1.5% for values between 5000 and 10000 | Numbers between 5000 and 10000 | The result is displayed correctly |
| 3.4 | Check if the result is 2.0% for any values if the age field is greater than 60 | All values between 100 and 10000 | The result is displayed correctly |

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| 4 | Click on the 'New Calculation' button | | The result is cleared from the screen and all the fields are set default |
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