

# Test Summary Report

The functionality under testing is the Factoring Calculator located at this url: <https://www.swedbank.lt/business/finance/trade/factoring?language=ENG>. The objective of this testing is to identify possible defects in the calculation and the fields that are required for the calculation.

The tests cover the calculation function, and all the possible values for the fields used in the calculation. Values that are not numerical are not covered by the tests. Since no requirements are given for the calculator, I have assumed that the event of commission fee being negative is so rare, that it should rather not be negative.

## Defect Report

### Defect ID: 1

**Defect Description:** when using a negative value in the Commission Fee field, no error is shown, instead, the calculation can be done resulting in negative percentages and result.

#### Steps:

1. Open the aforementioned url
2. Enter -1 to the Commission Fee field
3. Click Calculate

**Expected Result:** The calculation should not be possible and an error message for invalid value should be shown

**Environment:** Microsoft Windows 10 Home, Google Chrome Version 123.0.6312.88 (Official Build) (64-bit)

### Defect ID: 2

**Defect Description:** when using the Inspect page function in the browser, changing a value of any of the given values in Advance Rate options results in a successful calculation, when it should instead prevent from calculating with illegal values.

#### Steps:

1. Open the aforementioned url
2. Open Inspect page (F12 on keyboard or right click on page and choose Inspect)
3. Locate the Advance Rate options and change any value to 70

**Expected Result:** The calculation should not be possible and an error message for invalid value should be shown

**Environment:** Microsoft Windows 10 Home, Google Chrome Version 123.0.6312.88 (Official Build) (64-bit)

**Defect ID:** 3

**Defect Description:** when using the Inspect page function in the browser, changing a value of any of the given values in Payment Term options results in a successful calculation, when it should instead prevent from calculating with illegal values.

**Steps:**

1. Open the aforementioned url
2. Open Inspect page (F12 on keyboard or right click on page and choose Inspect)
3. Locate the Payment Term options and change any value to 100

**Expected Result:** The calculation should not be possible and an error message for invalid value should be shown

**Environment:** Microsoft Windows 10 Home, Google Chrome Version 123.0.6312.88 (Official Build) (64-bit)

The approach to the testing started with exploratory testing on the page to see what are the possibilities with the calculator. Then Selenide was used with Java 17 and Gradle to construct automated tests for the UI. The documentation is done using Excel.