SEB Leasing Calculator test plan

29.08.2021 / version 1.0.0 by Varvara Tšurkina

# Description

Current document describes testing process SEB leasing webpage-based calculator. Next webpages are included in current test plan https://www.seb.ee/eng/loan-and-leasing/leasing/car-leasing#calculator

Document contains tests suite for manual testing and solution using automated UI tests (Java Selenium Web driver).

# Application description

Current application contains the next functionality available for end customer:

1. Generates the Schedule of payments based on user inputs

2. Allows to compare different leasing plans based on user inputs

User inputs: Functionality under test

For SEB leasing calculator is tested only main functionality, which includes both positive and negative scenarios.

Positive scenarios expect that customer could see the calculated results on the webpage when all entered data is valid and meets SEB bank conditions.

Negative scenarios expect that customer gets a warning with explanation when one or several parameters are not entered correctly.

# Not tested features

Current test plan does not cover testing of the next features:

Calculation results: current test plan does not check assurance of the returned numbers (values)

Performance: does not test web page loading speed

UI: does not include visual checking of web elements / text alignment

Test plan:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TC-ID | Preconditions | Name | Verify | Priority | Automatization reason |
| TC-1-001 | The URL “Submit an application on the website of SEB” is working correctly. | Successful filling the all fields by customer’s and desired vehicle data. | Customer’s and the vehicle’s data are successfully inserted. No any error messages are triggered. | High | Requires to fill a lot of fields with customer’s data. |
| TC-1-002 | The URL “Submit an application on the website of SEB” is working correctly. | The field “Personal code” filled by negative data value (123). | The customer should be notified with explanation by system about negative data value. | High |  |
| TC-1-003 | “Car leasing application for private customer” fields data is inserted correctly. Button “Next” was clicked. | Redirecting from “Data of applicant” page with “Pervious” button click. | “Pervious” button click successfully redirecting to previous page. | Medium | Requires to fill a lot of fields with customer’s data for “Pervious” button click. |
| TC-2-002 | Made a request for 10000 EUR with 1000 EUR downpayment and with positive default interest rate and residual value. | Successful operating leasing calculation. | Leasing payment details are shown Only monthly payment and the comission fee are shown.  No any error messages are triggered. | High |  |
| TC-2-003 | Made a request for 10000 EUR with -1000 EUR (negative value) downpayment and default interest rate and residual value. | Unsuccessful operating leasing calculation. | The customer should be notified with explanation by system about negative data value. | Medium |  |
| TC-2-004 | Made a few requests in “Car leasing calculator” with a different positive value data in price of vehicle, downpayment and with default interest rate and residual value. | “Add to comparison” functionality works correctly for several conditions selected. | Additional row in the section with payment details are added. | High | Requires to fill a lot of fields with data for comparison function testing. |
| TC-3-001 | Made a few requests with a different positive value data Monthly net income of the household, Monthly financial obligations of the household and with default interest rate and number of dependents. | Successful operating of the maximum possible amount of car leasing | Additional row in the section with payment details are added. | High |  |

Bug report:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TC-ID | Summary | Expected Result | Actual Result | Priority/Severity |
| TC-1-002 | The field “Personal code” filled by negative data value (123). | The customer should be notified with explanation by system about negative data value. | The customer is not notified with explanation by system about negative data value. | High/Low |
| TC-1-003 | Redirecting from “Data of applicant” page with “Pervious” button click. | “Pervious” button click successfully redirecting to previous page. | Redirect to “Data of applicant” page with “Pervious” button click does not work. | Medium/Low |
| TC-2-003 | Made a request for 10000 EUR with -1000 EUR (negative value) downpayment and default interest rate and residual value. | The customer should be notified with explanation by system about negative data value. | The customer is not notified with explanation by system about negative data value. | Medium/Low |

Executing the automated tests

# Requirements

1. Selenium installed on the machine

2. Libraries/dependencies are added

3. Web driver(s) are installed

Solution with automated UI tests is located on the public GitHub repository [https://github.com/Varvaruwka?tab=repositories](https://github.com/Varvaruwka?tab=repositories%20) Information about installing and configurating solution are added in the readme.txt file.

# Running the UI tests

1. Clone the repository from <https://github.com/Varvaruwka?tab=repositories>

2. In folder: testTask\src\test\java\ee\seb

3. Execute needed test suites by typing the next commands in the command line

TC-1-001 Submit an application on the website of SEB test: NewLeasingDataFieldsTest

TC-1-003 Car leasing application “Pervious” button functionality test: ClickOnPreviousButtonTest

TC-2-004 Car leasing comparison functionality test: CarLeasingComparisonFunctionalityTest

Getting report:

Test results You can see in IDE which You used to run tests.