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Summary Report

Product Name: Bigbank Loan Calculator

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This document explains the various activities performed as part of testing of loan calculator on Bigbank SE loan origination page.

- I created 6 different test scenarios which I believe are necessary to verify that the loan calculator works according to given requirements.

| Test scenarios | Test cases planned | Test cases executed | Test cases passed | Test cases failed |
|----------------|--------------------|---------------------|-------------------|-------------------|
| 5 | 22 | 22 | 17 | 5 |

- In total, 22 test cases were executed.
- 16 of them were automated.
- At first, I conducted manual testing on the loan calculator. For the automation, I only excluded 6 test cases which simply test sliders if they work as expected.
- 5 test cases are failed. 4 of them (BUG 1,2,3,4) checked if interest rate (APRC) changes or doesn't change when a new loan amount or period is applied. Please note that, these 4 test cases only tests changing of APRC on the loan calculator, visually. Even if APRC changed, it wouldn't mean that a new APRC was saved. This situation is also valid to check the new monthly payment. I described test cases to check the changing of new monthly payment, visually on the loan calculator. In order to check the changes are saved or not, I analyzed the API endpoint query parameters.
- The last failed test (BUG 5) checks if the changes are saved or not after the save button is clicked. For this test, I compared the previous and new API endpoint query parameters – "amount", "period", "interestRate".
- All these test cases are conducted in original language of the website – that is Sweden. I didn't include the same test cases in translated language (English) in the excel document where test scenarios and test cases are provided. However, I google translated the webpage and conducted manual testing using the same test cases. It turned out that when new loan amount or period is applied, monthly payment doesn't change at all, visually on the loan calculator window. Other test results were the same with testing was performed in original language.

- Another observation or issue was the monthly payment displayed the different values in different dates. At first (27.01.2022), it displayed “1216,... SEK” when the query parameters are “amount=85000&period=120&interestRate=10.95”. In the next day, it displayed “1215,... SEK” when query remained same. Now (31.10.2022), it displays “1214,24 SEK”.
- Moreover, I believe that if the slider increment value of loan amount is 500 or 1000, it will provide better user experience. Currently, it is hard to set the desired value because the increment value is small, and it changes fast when the slider is moved.