6.3.5 Corner test cases

- Create a loan with negative and unmatching values

Corner test: create a loan end-to-end test case with every loan term and amount filtering option maxed out

Tested: @ Erkki Loginov 20.12.2022, Windows 10 pro, Firefox version 108.0.1 (64-bit)/

Test Case ID	E2E CO-1 LO API 1 - Creating a loan with every filtering option maxed out
Description	Check that a loan with every loan term and amount filtering option maxed out can be created: - Interest rate: 30% - Remaining term: 72 months - Loan amount: 10000€+ - Term: 72 months - Available amount: 10000€+
Precondition	Loan Originator should be available and authorized
Test data	Loan Originator api key: dtzoCvPpltZWJHgNXavsjTCwNsErK9
Test steps	1. Open Week 6 in Confluence 2. Find and download the "Income API for Loan Originators-new.postman_collection.jso" file 3. Open Postman 4. Import the downloaded JSON file 5. Open Existing documentation and get the LO API key for Squad 6 6. Authorize in Postman under "Variables" using the LO API key 7. Go to POST /loans/store in Postman 8. Open https://cerebrumhubstudents.atlassian.net/wiki/spaces/IMT2/pages/edit-v2/58523810 and copy the Loan Originator API for "Create loan with every filtering option maxed out" 9. Paste the Loan Originator API from the previous step 10. Click Send, observe
Expected result	1. Step number 6: User is successfully authenticated 2. Step number 10: Loan is successfully listed
Result	**Passed**

Test Case ID	E2E CO-1 LO API 2 - Invest page, maximum filtering values
Description	Check that the Automated Investing filter can find loans with values: - Interest rate: 30% - Remaining term: 72 months - Loan amount: 10000€+ - Term: 72 months - Available amount: 10000€+
Precondition	User is logged in on https://income-frontend.code-lab.it/invest Test case **E2E CO-1 LO API 1** was executed successfully
Test data	
Test steps	1. Open https://income-frontend.code-lab.it/invest 2. Open Invest page 3. Click the "Automated investing" button 4. Click the "+Create new strategy" button 5. Click the "Filters" button 6. Adjust the Interest rate to 30% 7. Adjust the Remaining Term to 12 months 8. Adjust the Loan amount to 10000€+ 9. Adjust the term to 72 months 10. Adjust the Available amount to 10000€+ 11. Choose the loan originator: CerebrumHub - 6 12. Click the "Show matching loans" button
Expected result	All loans with previously specified values are listed

Result	**Failed**
	INC2-331 - Getting issue details... [STATUS]
	INC2-332 - Getting issue details... [STATUS]

Test Case ID	**E2E CO-1 LO API 3 - Invest page, Creating new strategy**
Description	Check if an automated investing strategy with a custom interest rate, remaining term, loan amount, term, available amount and Loan Originator can be created.
Precondition	
Test data	
Test steps	1. Enter the desired Strategy name 2. Enter the desired Portfolio size 3. Enter the desired Min and Max amounts for any single loan 4. Click the "I accept the terms of Assignment Agreements" checkbox 5. Click the "Save and activate" button
Expected result	1. A new Automated Investment Strategy is successfully created 2. A summary block is shown and has the correct data
Result	**Passed**

Test Case ID	**E2E CO-1 LO API 4 - Invest page, Checking if automated strategy works**
Description	Checking if the newly created automated strategy works correctly
Precondition	Test case **E2E CO-1 LO API 3** was executed successfully
Test data	
Test steps	1. After a few minutes, refresh the Automated Investing page
Expected result	1. Automated investing into loans with matching criteria was executed without any problems 2. The new automated investing strategy is saved 3. When clicking the "View invested loans" button on Automated investing page, detailed information about the loans invested in can be seen 4. When clicking the "View recent autoinvest jobs" button, detailed information about the selected automated investing strategy can be seen (Run time, Result Message, Invested Count, Invested Amount)
Result	**Failed (Test case E2E CO-1 LO API 2 failed, automated strategy cannot find loans due to previously specified bugs)**

Create a loan with negative and unmatching values

Tested: [@ Andis Lejietis] , 19.12.2022, Windows 11

Test Case ID	**CO-2 LO API 1 - Create a loan with negative period values**
Description	Checking that wether or not the server accepts API with "period" negative and not matching schedule count total
Precondition	Loan Originator should be available and authorized
Test data	Loan Originator api key: dtzoCvPpltZWJHgNXavsjTCwNsErK9

Test steps	1. Open Week 6 in Confluence
	2. Find and download the "Income API for Loan Originators-new.postman_collection.jso" file
	3. Open Postman
	4. Import the downloaded JSON file
	5. Open Existing documentation and get the LO API key for Squad 6
	6. Authorize in Postman under "Variables" using the LO API key
	7. Go to POST `/loans/store` in Postman
	8. Open https://cerebrumhubstudents.atlassian.net/wiki/spaces/IMT2/pages/edit-v2/58583810 and copy the Loan Originator API for "Create a loan with a negative "period" that has a different amount of repayments:"
	9. Paste the Loan Originator API from the previous step
	10. Click Send, observe

Expected result	Error message is shown that periods must match and cant be negative

Result	**Failed -** 🌀 **INC2-322** - Getting issue details... [STATUS]

Test Case ID	**CO-2 LO API 2 - Create a loan with negative schedule**
Description	Check if system allows payment schedule to be negative and in chronological order
Precondition	User has done steps 1 - 7 on test case **CO-2 LO API 1**
Test data	-
Test steps	1. Open https://cerebrumhubstudents.atlassian.net/wiki/spaces/IMT2/pages/edit-v2/58523810 and copy the Loan Originator API for Create a loan with "rowno": numbering negative
	2. Paste the Loan Originator API from the previous step
	3. Click Send, observe
	4. Open https://cerebrumhubstudents.atlassian.net/wiki/spaces/IMT2/pages/edit-v2/58523810 and copy the Loan Originator API for Create a loan with "rowno": numbering backward
	5. Paste the Loan Originator API from the previous step
	6. Click Send, observe
	7. Open https://cerebrumhubstudents.atlassian.net/wiki/spaces/IMT2/pages/edit-v2/58523810 and copy the Loan Originator API for Create a loan with "rowno": numbering equal
	8. Paste the Loan Originator API from the previous step
	9. Click Send, observe
Expected result	Server reports error that schedules cant be negative and must be in chronological order
Result	**Failed -** 🌀 **INC2-323** - Getting issue details... [STATUS]

Test Case ID	**CO-2 LO API 3 - Create a loan with other negative and extreme values**
Description	Check if system allows to create a loans with other negative and extreme values
Precondition	User has done steps 1 - 7 on test case **CO-2 LO API 1**
Test data	
Test steps	1. Open https://cerebrumhubstudents.atlassian.net/wiki/spaces/IMT2/pages/edit-v2/58523810 and copy the Loan Originator API for Create a loan with a "debt_amount" negative
	2. Paste the Loan Originator API from the previous step
	3. Click Send, observe
	4. Open https://cerebrumhubstudents.atlassian.net/wiki/spaces/IMT2/pages/edit-v2/58523810 and copy the Loan Originator API for Create a loan with an extreme investors interest rate
	5. Paste the Loan Originator API from the previous step
	6. Click Send, observe
Expected result	1. To all values that have not been mentioned in previous test cases there is error message that metions about such error
	2. Extreme investors rate is not posssible
Result	**Failed -** 🌀 **INC2-325** - Getting issue details... [STATUS]
	🌀 **INC2-328** - Getting issue details... [STATUS]