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Host

http://127.0.0.1:8000

Status

RUNNING

Users

200

RPS

24.5

Failures

14%

EDIT

STOP

RESET

STATISTICS

CHARTS

FAILURES

EXCEPTIONS

CURRENT RATIO

DOWNLOAD DATA

LOGS

LOCUST CLOUD

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	Current RPS	Current Failures/s
GET	/contract-csc/	488	0	950	3300	4100	1263.19	16	4225	23190	2.4	0
GET	/contract-renewals/	1097	0	1600	5300	6000	2062.58	19	6541	34209	5.8	0
GET	/dashboard/	1478	0	7400	16000	18000	7696.91	58	19054	50499	12	0
GET	/login/	200	0	10	27	62	12.31	3	71	11077	0	0
POST	/login/	200	0	5000	17000	19000	6823.46	759	19007	50499	0	0
GET	/renewal-active-customers/	584	584	18	56	87	22.73	5	185	6130	4.3	4.3
Aggregated		4047	584	1600	14000	17000	3863.49	3	19054	34439.49	24.5	4.3

Summary: Non Functional Testing from Locust

1. About Fails:

The last two **Aggregated** and **renewal_active_customers** are not available on the system. Renewal-active-customers is found on the system "URL" only. In case of that high fails numbers are displayed.

2. Average(ms):

Login is fastest in case of less access of other modules .It directly check the user role since the application is role based so at the very beginning role of the user is identified which is the first action the system.it means no need of accessing other modules to check(get) username and password in case of this it is fast. **Whereas Post /login** requires more time to check whose username and password is asked from 200 users.

Dashboard took huge amount of time because the output on the dashboard are collected from different models of the system and uses different logics from different views, so to access these all it requires more time .

Contract_renewals: this module is the second from the modules took large time to load.The reason is this module is accessible by region and head office label that means many csc(branches) are linked with this module .It this the summary of csc .

The over the system performance with 200 is good.

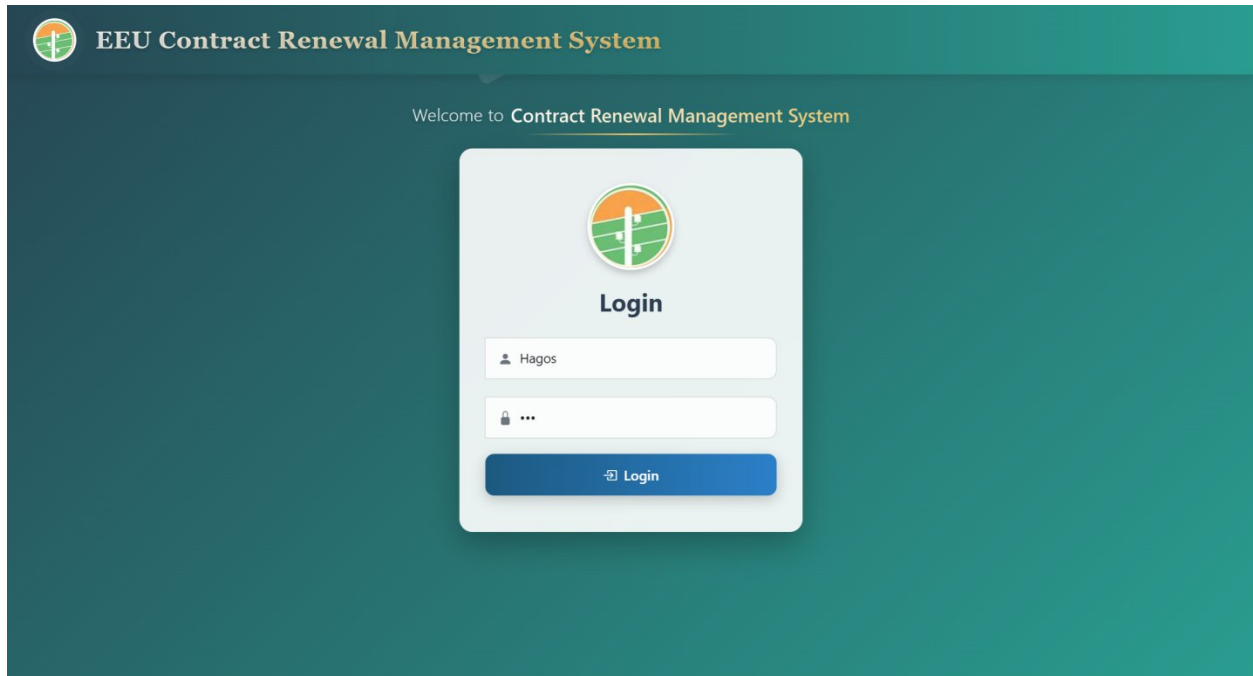
Challenges:

I tried to test by using ZAP other systems built by django and reactjs, php angular all of them worked properly but the django frame work with python and bootstrap frontend is big challenge to test by using Zap.

Summary of Functional Testing:

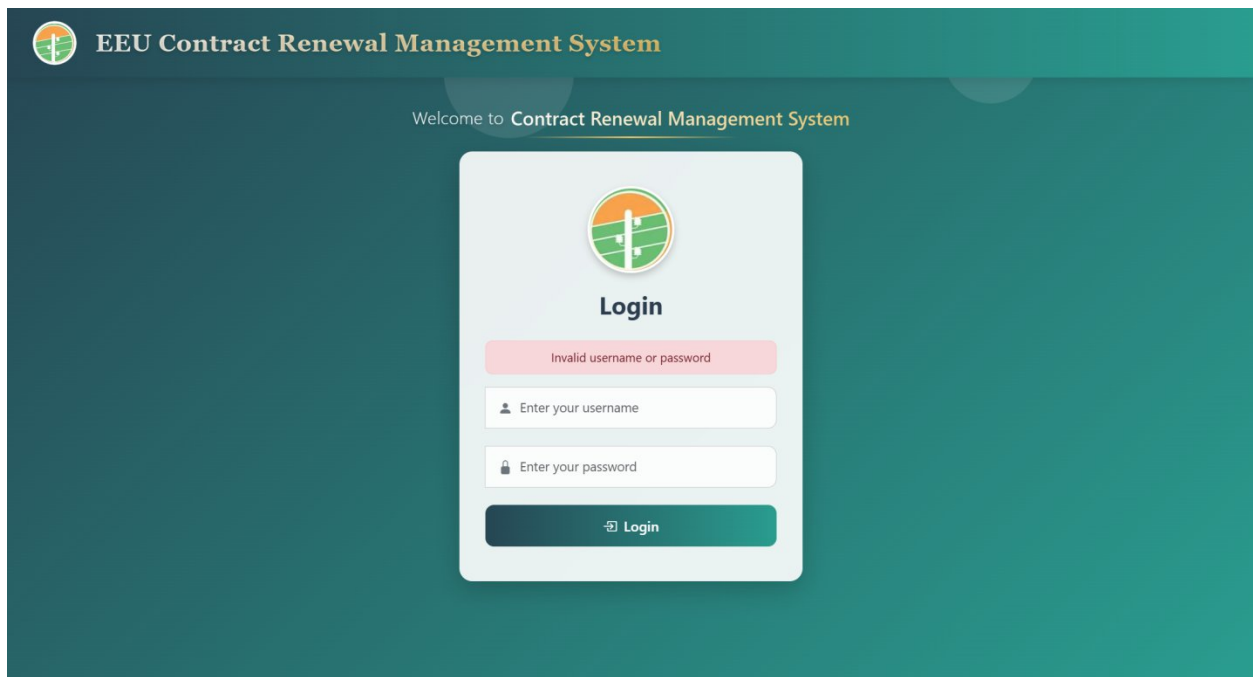
Functional Testing By using Selenium

Login is properly tested by using valid input automatic through selenium



Invalid login:

Invalid login is tested as it is expected



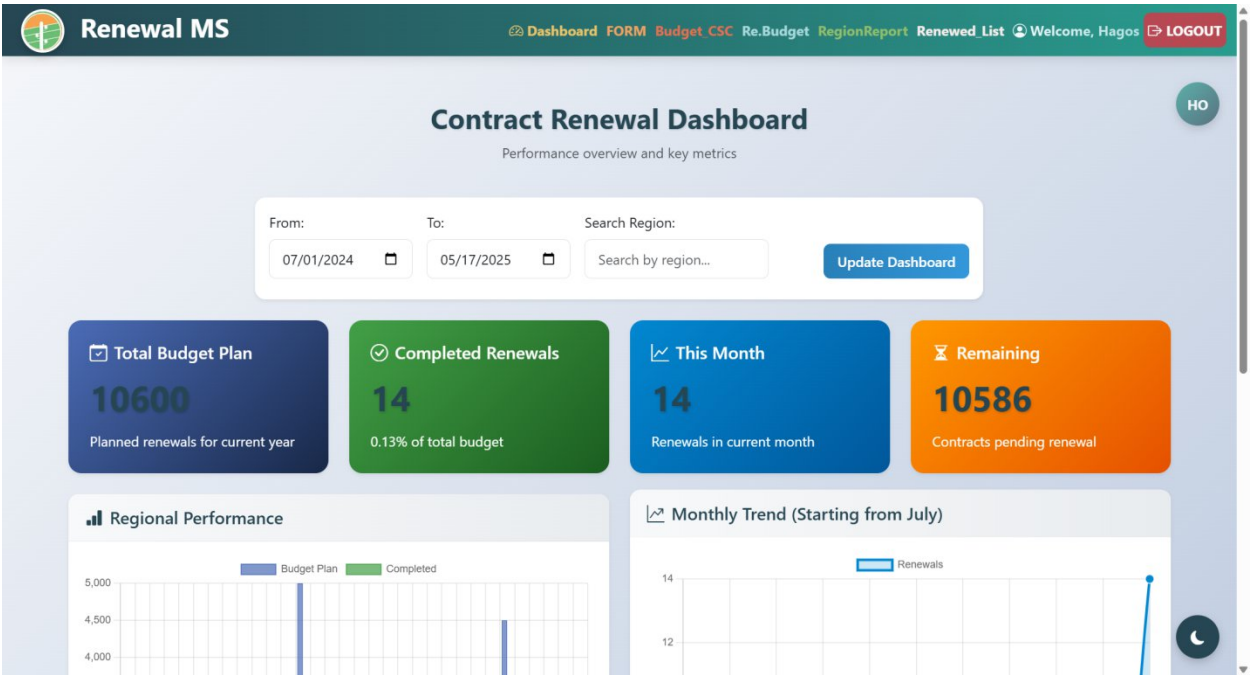
Form Input validation is done:

BV: Border values the minimum, maximum, lower minimum, upper maximum ,between lower and maximum value are tested properly

Navigation Menu are Tested:

One from the navigation menu is the above Form

Another Dashboard and the logics including with dashboard are tested:




Pagination : The pagination pages and report is tested



SN	Region Code	Region	Budget Year Plan	Total Before This Month	This Month	Total Upto This Month	Percentage	Not Renewed Customers
1	AA	EAST_AA	5000	0	7	7	0.14%	4993
2	AB	SOUTH_AA	4500	0	0	0	0.0%	4500
3	AC	WEST_AA	0	0	0	0	0%	0
4	AD	NORTH_AA	0	0	0	0	0%	0
5	BA	ADAMA	100	0	3	3	3.0%	97
6	BB	SHEGER	0	0	0	0	0%	0
7	BC	SHASHEMENE	1000	0	4	4	0.4%	996
8	BD	CHIRO	0	0	0	0	0%	0
9	BE	JIMMA	0	0	0	0	0%	0
10	BF	NEKEMITE	0	0	0	0	0%	0
Total			10600	0	14	14	0.11%	10586

This one also tested most of the are passed. But one list of customer renewal was developed without pagination

Logout:

On each testing navigation menu logout is repeatedly tested.

|  All Bookma

RegionReport Renewed_List  Welcome, Hagos  LOGOUT

This Month Percentage Not Renewed Customers

7 0.14% 4993

HO

Customers list

Renewal MS

Dashboard FORM Budget CSC Re.Budget RegionReport Renewed_List Welcome, Hagos LOGOUT

Contract Renewal Regional Summary Report

Download HO

From: 07/01/2024 To: 05/19/2025 Generate Report Search by Region or CSC

SN	Region Code	Region	CSC Code	CSC	Budget Year Plan	Total Before This Month	This Month	Total Upto This Month	Percentage	Not Renewed Customers
1	AA	EAST_AA	AA02	CSC_2	200	0	5	5	2.5%	195
2	AA	EAST_AA	AA03	CSC_3	100	0	2	2	2.0%	98
3	AA	EAST_AA	AA04	CSC_4	120	0	0	0	0.0%	120
4	AA	EAST_AA	AA05	CSC_5	150	0	0	0	0.0%	150
5	BA	ADAMA	BC01	CSC_1	250	0	0	0	0.0%	250
6	BC	SHASHEMENE	BC01	CSC_1	200	0	4	4	2.0%	196
Total					1020	0	11	11	1.08%	1009

Previous 1 Next

This view is accessible by selenium but the filtration as well generate report on this page is not working.

Cause: I think this view is the combination of three models that are csc, region,contract_renewal form,so clear logic of reading this page is not offered .i put this as cause.