

Test Progress Report

For Demo Web Shop [Laptop/Desktop]



Milestone	Date	Created By
1,2,3	7/12/2023	Mahmoud Osama, Hassan Sobhy, Eyad Tamer, Abdullah Khaled, Fares Tohamy, and Mohammed Ehab

SOFTWARE CONSTRUCTION AND TESTING

Best TA

ENG. Amany Hussian

Report Outline:

Introduction

Test Case Execution Status

Bug Reports status

Testing suggestions for next period

Summarizing findings and performance tests

Introduction

This Test summary report is used to clarify the testing activities that happened for the previous Web browser build of the Demo Web Shop web application in the period from (1-12-2023) to (6-12-2023).

The goal of this report is to show the following:

- Status of test cases executed
- Defects found & their status
- Suggestions for next period of testing

Test Case Execution Status

This is the status of all the test cases that are run on the **Desktop** version:

Test Case Status	Current Build Results
Total Number of TCs	97
Passed TCs	87
Failed TCs	10
Blocked/Skipped TCs	0

- Test Case Execution notes:
 - The number of passed test cases are 87
 - The number of failed are 10
 - The number of Blocked/skipped are 0
 - Note that all test cases that included integrations were executed on desktop.

Defects Status for Desktop

This table lists the number of defects in the **Desktop** version based on their priority:

Defect Status	Current Build Defects
Total Number	97
High	9
Medium	69
Low	20

- Desktop Defects notes:
 - The total number of test cases are 97 with 9 categorized as high priority , 69 as medium priority, and 20 as low priority.

Testing suggestions for next period

- We suggest that a defect tracking tool like (JIRA) is used in writing defects so that the defect is tracked from reporting to resolving. This will reduce the time required to write new defect reports for each build.

NOTE: IN THE AUTOMATED REPORTS IT SHOWS THAT THERE ARE SOME NOT EXECUTED TESTS, BUT THAT IS NOT THE CASE.

WE HAVE ACCIDENTLY CREATED SOME TEST CYCLES AND WHEN ASKED WE WERE TOLD TO CREATE THE TEST CYCLES A DIFFERENT WAY, AND WE WERE AFRAID THAT DELETING THE TEST CYCLE WOULD SOMEHOW AFFECT THE TEST CASES, SO WE DIDN'T DELETE THEM AND THEREFORE THE AUTOMATED TESTS SAW THEM AS NOT EXECUTED TESTS BUT YOU WILL FIND THEM EXECUTED IN OTHER TEST CYCLES.

Summarizing findings and performance tests

There are two websites to assess using both JMeter and BlazeMeter. To evaluate the performance scalability of both websites, we assigned 100 users for each iteration, conducting a total of 10 iterations, thereby simulating a load of 1000 users.

BlazeDemo is a website that involves selecting flights between different destinations. The JMX file outlines the following steps:

- 1-Load the website.
- 2-Search for flights.
- 3-Select a flight.
- 4-Complete the flight purchase.

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
https://blazedemo.com/	2000	918	0	13684	1680.26	0.150%	1.34269	6.23	0.93	4750.2
load website	1000	1836	0	16929	2464.32	0.300%	0.67122	6.23	0.93	9500.4
https://blazedemo.com/reserve.php	2000	863	0	10620	1484.25	0.150%	1.29355	9.31	1.05	7370.2
find flights	1000	1726	0	19499	2140.79	0.300%	0.62995	9.07	1.03	14740.5
https://blazedemo.com/purchase.php	2000	755	0	10281	1423.89	0.150%	1.28629	8.42	1.11	6705.2
choose a flight	1000	1511	0	17084	2057.86	0.300%	0.63880	8.37	1.10	13410.5
https://blazedemo.com/confirmation.php	2000	780	0	10512	1394.53	0.250%	1.24389	7.00	1.22	5766.1
Purchase flight	1000	1561	0	14211	1992.30	0.500%	0.61709	6.95	1.21	11532.2
TOTAL	12000	1105	0	19499	1797.96	0.233%	7.15697	57.29	8.00	8197.3

Table(1)

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Max	Error %	Throughput	Received KB/sec	Sent KB/sec
https://blazedemo.com/	2000	918	322	2383	5413	8331	194	13684	0.150%	1.34269	6.23	0.93
load website	1000	1836	670	5997	7601	10720	524	16929	0.300%	0.67122	6.23	0.93
https://blazedemo.com/reserve.php	2000	863	472	1288	4526	8033	173	10620	0.150%	1.29355	9.31	1.05
find flights	1000	1726	889	5281	7100	9599	560	19499	0.300%	0.62995	9.07	1.03
https://blazedemo.com/purchase.php	2000	755	334	1055	4248	7794	172	10281	0.150%	1.28629	8.42	1.11
choose a flight	1000	1511	698	4781	6632	9168	479	17084	0.300%	0.63880	8.37	1.10
https://blazedemo.com/confirmation.php	2000	780	356	1049	3863	7324	187	10512	0.250%	1.24389	7.00	1.22
Purchase flight	1000	1561	830	4285	6736	9456	517	14211	0.500%	0.61709	6.95	1.21
TOTAL	12000	1105	517	2460	5957	8828	172	19499	0.233%	7.15697	57.29	8.00

Table(2)

Summary for blazesop:-

The summary findings of the testing conducted on the <https://blazedemo.com> website are shown in Table (1) and (2) above. With 100 users attempting to access the website during each iteration, we observe that the error percentage from sending requests of different operations does not surpass 0.5%, which is demonstrating extremely good results.

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
https://petstore.octoperf.com/actions/Catalog.action	1000	179	0	2604	264.24	0.000%	0.94385	5.00	0.57	5428.0
load webpage	1000	179	0	2604	264.24	0.000%	0.94385	5.00	0.57	5428.0
https://petstore.octoperf.com/actions/Catalog.action?viewCategory=&categoryId=DOGS	1000	160	0	8341	435.66	0.000%	0.94102	3.65	0.65	3975.0
choose animal type	1000	160	0	8341	435.66	0.000%	0.93968	3.65	0.65	3975.0
https://petstore.octoperf.com/actions/Catalog.action?viewProduct=&productId=K9-RT-02	1000	192	0	9978	501.09	0.000%	0.93731	4.14	0.65	4526.0
choose animal name	1000	192	0	9978	501.09	0.000%	0.92973	4.11	0.64	4526.0
https://petstore.octoperf.com/actions/Cart.action?addItemToCart=&workingItemId=EST-24	1000	202	0	6455	408.79	0.000%	0.93356	4.05	0.65	4446.0
add animal to cart	1000	202	0	6455	408.79	0.000%	0.92529	4.02	0.64	4446.0
https://petstore.octoperf.com/actions/Order.action?newOrderForm=	1000	170	0	5397	279.51	0.000%	0.93645	3.64	0.63	3985.0
proceed to checkout	1000	170	0	5397	279.51	0.000%	0.92572	3.60	0.62	3985.0
https://petstore.octoperf.com/actions/Order.action	1000	261	0	9383	528.99	0.000%	0.92980	3.88	1.20	4272.0
continue to checkout	1000	261	0	9383	528.99	0.000%	0.91152	3.80	1.17	4272.0
https://petstore.octoperf.com/actions/Order.action?newOrder=&confirmed=true	1000	370	0	9762	614.25	100.000%	0.92623	14.22	0.63	15716.0
confirm purchase	1000	370	0	9762	614.25	100.000%	0.90894	13.95	0.62	15716.0
TOTAL	14000	219	0	9978	454.53	14.286%	12.12401	71.63	9.22	6049.7

Table(3)

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Max	Error %	Throughput	Received KB/sec	Sent KB/sec
https://petstore.octoperf.com/actions/Catalog.action	1000	179	91	333	686	1290	69	2604	0.000%	0.94385	5.00	0.57
load webpage	1000	179	91	333	686	1290	69	2604	0.000%	0.94385	5.00	0.57
https://petstore.octoperf.com/actions/Catalog.action?viewCategory=&categoryId=DOGS	1000	160	90	245	333	791	70	8341	0.000%	0.94102	3.65	0.65
choose animal type	1000	160	90	245	333	791	70	8341	0.000%	0.93968	3.65	0.65
https://petstore.octoperf.com/actions/Catalog.action?viewProduct=&productId=K9-RT-02	1000	192	95	281	411	1042	72	9978	0.000%	0.93731	4.14	0.65
choose animal name	1000	192	95	281	411	1042	72	9978	0.000%	0.92973	4.11	0.64
https://petstore.octoperf.com/actions/Cart.action?addItemToCart=&workingItemId=EST-24	1000	202	102	320	496	757	71	6455	0.000%	0.93356	4.05	0.65
add animal to cart	1000	202	102	320	496	757	71	6455	0.000%	0.92529	4.02	0.64
https://petstore.octoperf.com/actions/Order.action?newOrderForm=	1000	170	95	282	383	819	71	5397	0.000%	0.93645	3.64	0.63
proceed to checkout	1000	170	95	282	383	819	71	5397	0.000%	0.92572	3.60	0.62
https://petstore.octoperf.com/actions/Order.action	1000	261	222	455	615	1044	73	9383	0.000%	0.92980	3.88	1.20
continue to checkout	1000	261	222	455	615	1044	73	9383	0.000%	0.91152	3.80	1.17
https://petstore.octoperf.com/actions/Order.action?newOrder=&confirmed=true	1000	370	261	655	843	1266	145	9762	100.000%	0.92623	14.22	0.63
confirm purchase	1000	370	261	655	843	1266	145	9762	100.000%	0.90894	13.95	0.62
TOTAL	14000	219	112	371	585	1175	69	9978	14.286%	12.12401	71.63	9.22

Table(4)

The pet shop website, specializing in the sale of various pets such as dogs, cats, birds, fish, and reptiles, underwent testing on the <https://petstore.octoperf.com/actions/Catalog.action> site. The JMX file outlines the following steps:

- 1-Load the website.
- 2-Choose animal type.
- 3-Add animal cart.
- 4-Proceed to checkout.
- 5-Continue to checkout.
- 6-confirm purchase/

Summary for petshop:-

The summarized test results, presented in Tables (3) and (4), reveal that with 100 users accessing the website in each iteration, the error percentage for various operations remains consistently below 0%, indicating excellent performance. The only exception is the confirmation of purchase operation, which registers a 100% error rate.