Summary HW7

Validate test condition

- Concurrent user (50 users)

Statistics Summary

Maximum Running Vusers:		50
Total Throughput (bytes):	⊘	177,120,530
Average Throughput (bytes/second):	⊘	36,377
Total Hits:	⊘	13,643
Average Hits per Second:	⊘	2.802 **View HTTP Responses Summary**
Total Errors:	⊘	1

- Estimated number of transactions on peak hour

	Minimum	Maximum	Result
Agent	150	200	182
Customer service	250	300	303
Customer	20	30	28

Validate test condition (Concurrent user and Estimated number of transactions on peak hour) pass because Concurrent user ran 50 users. Agent and customer 's transaction response time following the requirements except result of customer service was more than requirement.
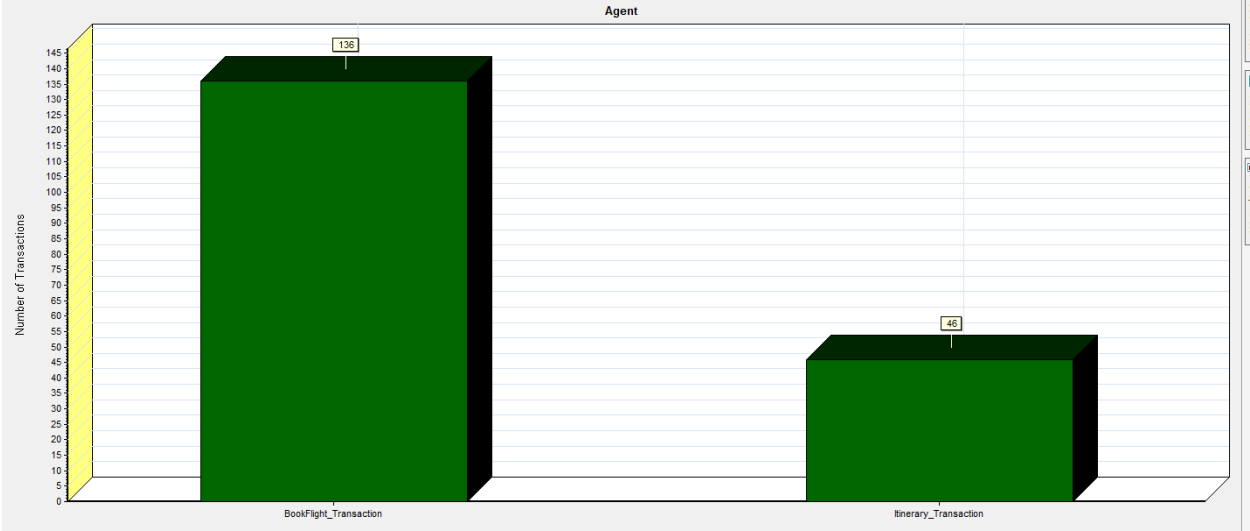
Validate test criteria

Transaction Response Time

Transaction Name	SLA Status	Minimum	Average	Maximum	Std. Deviation	85 Percent	Pass	Fail	Stop
BookFlight_00_FirstPage	⊘	0.073	0.263	1.373	0.286	0.237	154	0	0
BookFlight_01_LogIn	⊘	0.086	0.272	1.046	0.172	0.29	153	0	0
BookFlight_02_SelectFlightsButton	⊘	0.117	0.294	1.329	0.25	0.285	152	1	0
BookFlight_03_FindFlight	⊘	0.079	0.126	1.107	0.142	0.11	153	0	0
BookFlight_04_SelectFlight	⊘	0.078	0.115	0.403	0.067	0.115	153	0	0
BookFlight_05_PaymentDetails	⊘	0.079	0.15	0.49	0.09	0.15	154	0	0
BookFlight_06_SignOff	⊘	0.071	0.113	0.351	0.059	0.116	153	0	0
BookFlight_Transaction	✔	0.612	1.343	5.306	1.026	1.225	153	1	0
Itinerary_00_FirstPage	⊘	0.072	0.121	1.336	0.176	0.104	300	0	0
Itinerary_01_Login	⊘	0.085	0.14	1.041	0.131	0.232	298	0	0
Itinerary_02_SelectItineraryButton	⊘	0.122	1.023	42.511	5.023	0.362	299	0	0
Itinerary_03_SignOff	⊘	0.07	0.086	0.378	0.036	0.096	299	0	0
Itinerary_Transaction	✔	0.372	1.231	41.696	4.711	1.805	299	0	0
RegisterUser_00_FirstPage	⊘	1.277	1.308	1.335	0.016	1.316	7	0	0
RegisterUser_01_ClickSignUpNowLink	⊘	1.367	1.405	1.435	0.021	1.428	7	0	0
RegisterUser_02_CustomerProfile	⊘	0.176	0.22	0.328	0.061	0.302	7	0	0
RegisterUser_Transaction	✔	2.848	2.933	3.08	0.085	3.046	7	0	0
vuser_init_Transaction	✔	0	0	0	0	0	4	0	0

Validate test criteria (Transaction Response Time) pass because Transaction Response Time have following the requirements (85% of less than 5 Secord).
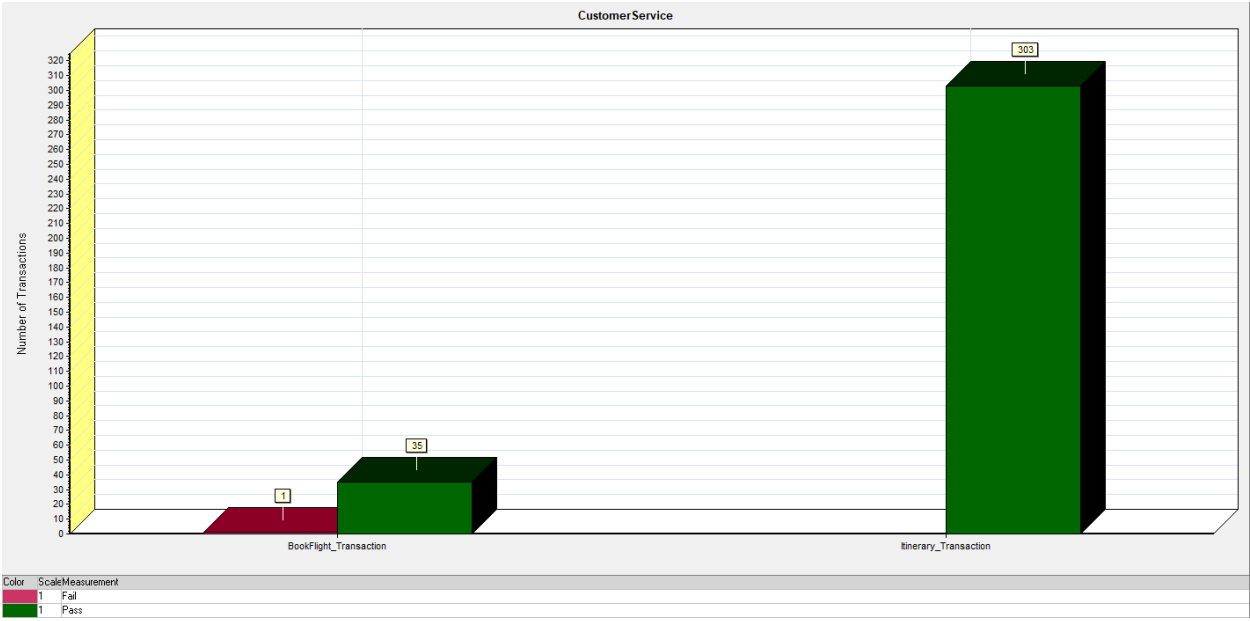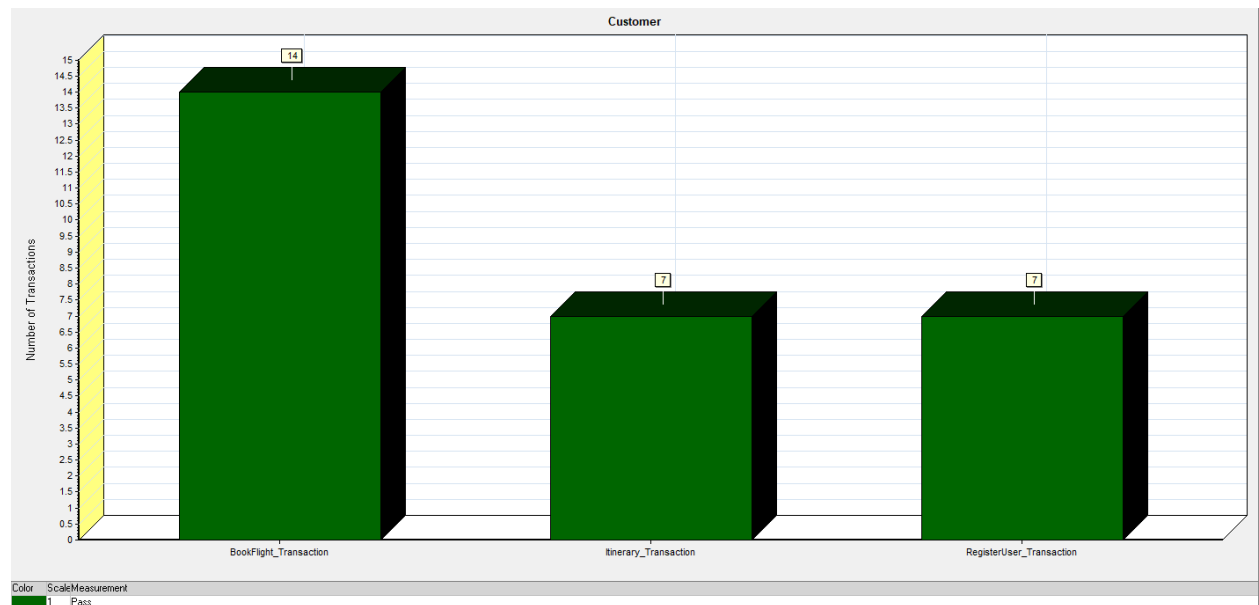
Transaction summary

Agent

transactions	pass	fall
Bookflight	136	-
itinerary	46	-

Customer service

transactions	pass	fall
Bookflight	35	1

Itinerary	303	-

Customer

transactions	pass	fall
Bookflight	14	-
Itinerary	7	-
Regiteruser	7	-

Validate test criteria (Transaction summary) pass because pass 548 translations and fail 1 translation (Bookflight (Customer service) I think have bug in testing)

Resource utilization (on server process)

Color	Scale	Measurement				Minimum	Average	Maximum	Std. Deviation
	100	% Processor Time (Process httpd#1):localhost				0.000	0.373	3.635	0.581
	1E-06	Private Bytes (Process httpd#1):localhost				15,036,416.000	15,462,050.866	15,618,048.000	202,732.002
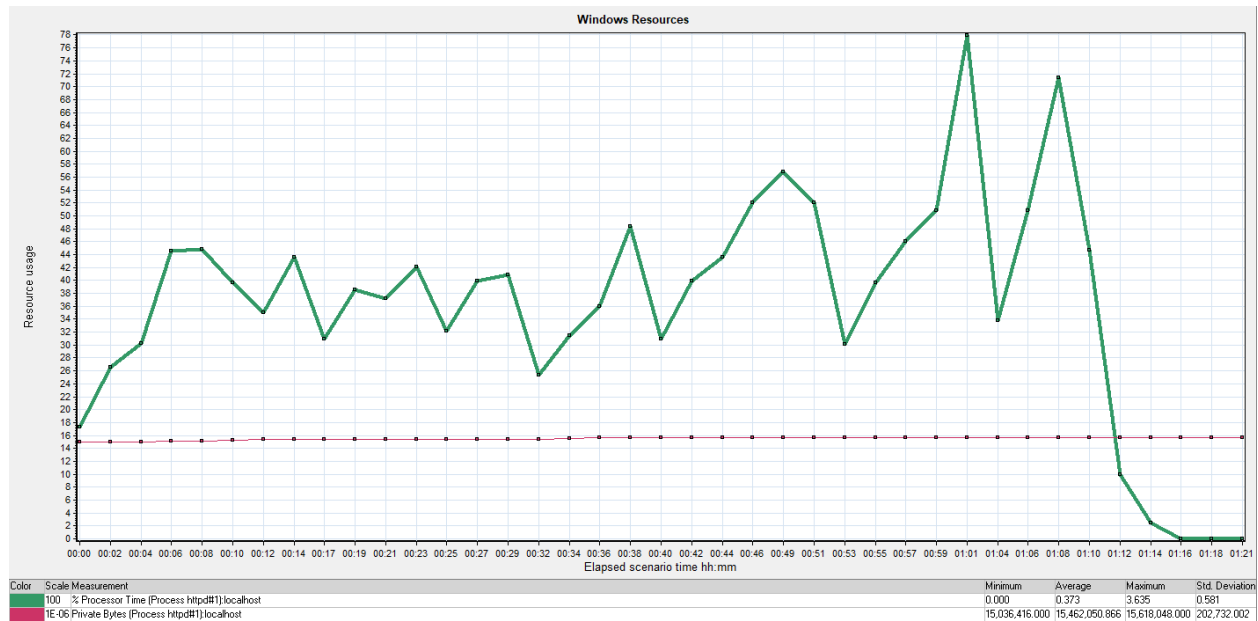
Measurement	Minimum	Average	Maximum
Private byte(memory)	15.036	15.462	15.618
% processor Time (CPU)	0.000	0.373	3.635

	Requirement	Result
CPU	Less than 30 %	0.373
Memory	Less than 10 % of total memory	15.462

Validate test criteria (Resource utilization) pass only CPU because memory use 15.462% (not pass) (using Ram 8 GB = 1.23696) and CPU 0.373 % (pass) have achieved criteria (memory 10 % and CPU 30%). we should scale up memory or allocation memory in software.

Tianwit Moungnoycharoen 61130500214