LOAD TEST FOR THE EXAM REGISTERING FRONT END FUNCTIONALITY

Scenario:

Test 1:

1. Log into the system;
2. Request exam registering page
3. Reload exam registering page 10 times
4. Log out

Test 2:

1. Log into the system
2. Request exam registering page, go back to the main page (5 times)
3. Log out

The number of users increase from 1 to 200 each 10 seconds adding 10 new users.

**FIRST RUN**

**Load Test Summary**

**Test Run Information**

|  |  |
| --- | --- |
| Load test name | LoadTest1 |
| Description |  |
| Start time | 1/28/2016 6:54:35 PM |
| End time | 1/28/2016 7:04:35 PM |
| Warm-up duration | 00:02:00 |
| Duration | 00:10:00 |
| Controller | Local run |
| Number of agents | 1 |
| Run settings used | Run Settings1 |

**Overall Results**

|  |  |
| --- | --- |
| Max User Load | 200 |
| Tests/Sec | 0.98 |
| Tests Failed | 102 |
| Avg. Test Time (sec) | 112 |
| Transactions/Sec | 0 |
| Avg. Transaction Time (sec) | 0 |
| Pages/Sec | 15.9 |
| Avg. Page Time (sec) | 8.23 |
| Requests/Sec | 114 |
| Requests Failed | 179 |
| Requests Cached Percentage | 54.0 |
| Avg. Response Time (sec) | 1.66 |
| Avg. Content Length (bytes) | 13,105 |

**Key Statistic: Top 5 Slowest Pages**

|  |  |
| --- | --- |
| URL (Link to More Details) | 95% Page Time (sec) |
| [http://stage.telerikacademy.com/](page:42) | 304 |
| [http://stage.telerikacademy.com/](page:0) | 38.1 |
| [http://stage.telerikacademy.com/Users/Au...](page:46) | 22.5 |
| [http://stage.telerikacademy.com/Users/Au...](page:12) | 20.8 |
| [http://stage.telerikacademy.com/Users/Au...](page:14) | 17.8 |

**Key Statistic: Top 5 Slowest Tests**

|  |  |
| --- | --- |
| Name | 95% Test Time (sec) |
| [ExamRegistering](test:1) | 422 |
| [Exam2Reg](test:0) | 416 |

** Test Results**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Scenario | Total Tests | Failed Tests (% of total) | Avg. Test Time (sec) |
| [Exam2Reg](test:0) | Exam2Reg | 296 | 54 (18.2) | 112 |
| [ExamRegistering](test:1) | Exam2Reg | 292 | 48 (16.4) | 111 |

** Page Results**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| URL (Link to More Details) | Scenario | Test | Avg. Page Time (sec) | Count |
| [http://stage.telerikacademy.com/](page:42) | Exam2Reg | ExamRegistering | 50.1 | 379 |
| [http://stage.telerikacademy.com/](page:0) | Exam2Reg | Exam2Reg | 12.3 | 2,080 |
| [http://stage.telerikacademy.com/Users/Auth/Login {POST}](page:14) | Exam2Reg | Exam2Reg | 12.1 | 389 |
| [http://stage.telerikacademy.com/Users/Auth/Login {GET}](page:46) | Exam2Reg | ExamRegistering | 9.83 | 373 |
| [http://stage.telerikacademy.com/Users/Auth/Login {POST}](page:50) | Exam2Reg | ExamRegistering | 9.31 | 364 |
| [http://stage.telerikacademy.com/Users/Auth/Login {GET}](page:12) | Exam2Reg | Exam2Reg | 9.22 | 399 |
| [http://stage.telerikacademy.com/Courses/PracticalExams/Select/265](page:52) | Exam2Reg | ExamRegistering | 3.51 | 3,243 |
| [http://stage.telerikacademy.com/Courses/PracticalExams/Select/265](page:15) | Exam2Reg | Exam2Reg | 3.33 | 1,732 |
| [http://stage.telerikacademy.com/Users/Auth/LogOut](page:54) | Exam2Reg | ExamRegistering | 2.47 | 292 |
| [http://stage.telerikacademy.com/Users/Auth/LogOut](page:26) | Exam2Reg | Exam2Reg | 2.24 | 296 |

** Transaction Results**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Scenario | Test | Response Time (sec) | Elapsed Time (sec) | Count |

** System Under Test Resources**

|  |  |  |
| --- | --- | --- |
| Machine Name | % Processor Time | Available Memory at Test Completion (Mb) |

** Controller and Agents Resources**

|  |  |  |
| --- | --- | --- |
| Machine Name | % Processor Time | Available Memory at Test Completion (Mb) |
| [ACERAO756](graph:Controller%20and%20Agents) | 31.3 | 1,980 |

** Errors**

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Subtype | Count | Last Message |
| [Timeout](error:0) | Timeout | 156 | Request timed out |
| [Validation Rule Error](error:1) | ValidateResponseUrl | 17 | The value of the ExpectedResponseUrl property 'http://stage.telerikacademy.com/' does not equal the actual response URL 'http://stage.telerikacademy.com/Users/Auth/Login'. QueryString parameters were ignored. |
| [Exception](error:2) | SocketException | 6 | An established connection was aborted by the software in your host machine |

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| --- |
| **Key Indicators** |
| C:\Users\velizar\AppData\Local\Temp\ltm_graph1.png |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | | | | | | | | | | Counter | Instance | Category | Computer | Color | Range | Min | Max | Avg. | | User Load | \_Total | LoadTest:Scenario | ACERAO756 |  | 1,000 | 1 | 200 | 165 | | Pages/Sec | \_Total | LoadTest:Page | ACERAO756 |  | 100 | 0.40 | 36.0 | 15.9 | | Avg. Page Time | \_Total | LoadTest:Page | ACERAO756 |  | 100 | 0.33 | 98.0 | 8.23 | | Errors/Sec | \_Total | LoadTest:Errors | ACERAO756 |  | 10 | 0 | 2.20 | 0.30 | | Threshold Violations/Sec | \_Total | LoadTest:Errors | ACERAO756 |  | 0 | 0 | 0 | 0 | |

|  |
| --- |
| **Page Response Time** |
| C:\Users\velizar\AppData\Local\Temp\ltm_graph1.png |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | | | | | | | | | | Counter | Instance | Category | Computer | Color | Range | Min | Max | Avg. | | Avg. Page Time | LogOut{GET} | LoadTest:Page | ACERAO756 |  | 219 | 0.78 | 7.84 | 2.47 | | Avg. Page Time | 265{GET} | LoadTest:Page | ACERAO756 |  | 219 | 0.76 | 21.1 | 3.51 | | Avg. Page Time | Login{POST} | LoadTest:Page | ACERAO756 |  | 219 | 1.45 | 102 | 9.31 | | Avg. Page Time | Login{GET} | LoadTest:Page | ACERAO756 |  | 219 | 0.63 | 153 | 9.83 | | Avg. Page Time | stage-telerikacademy-com{GET} | LoadTest:Page | ACERAO756 |  | 219 | 0.90 | 212 | 50.1 | | Avg. Page Time | LogOut{GET} | LoadTest:Page | ACERAO756 |  | 219 | 0.62 | 5.51 | 2.24 | | Avg. Page Time | 265{GET} | LoadTest:Page | ACERAO756 |  | 219 | 0.33 | 55.6 | 3.33 | | Avg. Page Time | Login{POST} | LoadTest:Page | ACERAO756 |  | 219 | 0.63 | 106 | 12.0 | | Avg. Page Time | Login{GET} | LoadTest:Page | ACERAO756 |  | 219 | 0.28 | 75.8 | 9.13 | | Avg. Page Time | stage-telerikacademy-com{GET} | LoadTest:Page | ACERAO756 |  | 219 | 0.32 | 219 | 12.3 | |

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| **Controller and Agents** |
| C:\Users\velizar\AppData\Local\Temp\ltm_graph1.png |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | | | | | | | | | | Counter | Instance | Category | Computer | Color | Range | Min | Max | Avg. | | % Processor Time | 0 | Processor | ACERAO756 |  | 100 | 7.80 | 56.2 | 32.7 | | Available MBytes | - | Memory | ACERAO756 |  | 10,000 | 1,929 | 2,818 | 2,323 | |

SECOND RUN

Scenario: Up to 200 users request exam registering page

**Load Test Summary**

**Test Run Information**

|  |  |
| --- | --- |
| Load test name | Exam2Reg |
| Description |  |
| Start time | 1/28/2016 7:23:53 PM |
| End time | 1/28/2016 7:33:53 PM |
| Warm-up duration | 00:02:00 |
| Duration | 00:10:00 |
| Controller | Local run |
| Number of agents | 1 |
| Run settings used | Run Settings1 |

**Overall Results**

|  |  |
| --- | --- |
| Max User Load | 200 |
| Tests/Sec | 0.81 |
| Tests Failed | 120 |
| Avg. Test Time (sec) | 137 |
| Transactions/Sec | 0 |
| Avg. Transaction Time (sec) | 0 |
| Pages/Sec | 13.3 |
| Avg. Page Time (sec) | 9.84 |
| Requests/Sec | 93.5 |
| Requests Failed | 224 |
| Requests Cached Percentage | 54.3 |
| Avg. Response Time (sec) | 2.04 |
| Avg. Content Length (bytes) | 14,975 |

**Key Statistic: Top 5 Slowest Pages**

|  |  |
| --- | --- |
| URL (Link to More Details) | 95% Page Time (sec) |
| [http://stage.telerikacademy.com/](page:2) | 311 |
| [http://stage.telerikacademy.com/](page:51) | 58.7 |
| [http://stage.telerikacademy.com/Users/Au...](page:11) | 40.3 |
| [http://stage.telerikacademy.com/Users/Au...](page:31) | 39.8 |
| [http://stage.telerikacademy.com/Users/Au...](page:34) | 28.8 |

**Key Statistic: Top 5 Slowest Tests**

|  |  |
| --- | --- |
| Name | 95% Test Time (sec) |
| [ExamRegistering](test:1) | 410 |
| [Exam2Reg](test:0) | 410 |

** Test Results**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Scenario | Total Tests | Failed Tests (% of total) | Avg. Test Time (sec) |
| [ExamRegistering](test:1) | Exam2Reg | 238 | 58 (24.4) | 138 |
| [Exam2Reg](test:0) | Exam2Reg | 249 | 62 (24.9) | 136 |

** Page Results**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| URL (Link to More Details) | Scenario | Test | Avg. Page Time (sec) | Count |
| [http://stage.telerikacademy.com/](page:2) | Exam2Reg | ExamRegistering | 59.3 | 329 |
| [http://stage.telerikacademy.com/Users/Auth/Login {POST}](page:34) | Exam2Reg | Exam2Reg | 14.5 | 321 |
| [http://stage.telerikacademy.com/](page:51) | Exam2Reg | Exam2Reg | 14.2 | 1,717 |
| [http://stage.telerikacademy.com/Users/Auth/Login {GET}](page:11) | Exam2Reg | ExamRegistering | 14.2 | 317 |
| [http://stage.telerikacademy.com/Users/Auth/Login {POST}](page:25) | Exam2Reg | ExamRegistering | 12.3 | 309 |
| [http://stage.telerikacademy.com/Users/Auth/Login {GET}](page:31) | Exam2Reg | Exam2Reg | 11.7 | 332 |
| [http://stage.telerikacademy.com/Users/Auth/LogOut](page:27) | Exam2Reg | ExamRegistering | 4.29 | 238 |
| [http://stage.telerikacademy.com/Courses/PracticalExams/Select/265](page:35) | Exam2Reg | Exam2Reg | 3.90 | 1,417 |
| [http://stage.telerikacademy.com/Courses/PracticalExams/Select/265](page:23) | Exam2Reg | ExamRegistering | 3.82 | 2,722 |
| [http://stage.telerikacademy.com/Users/Auth/LogOut](page:54) | Exam2Reg | Exam2Reg | 2.44 | 249 |

** Transaction Results**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Scenario | Test | Response Time (sec) | Elapsed Time (sec) | Count |

** System Under Test Resources**

|  |  |  |
| --- | --- | --- |
| Machine Name | % Processor Time | Available Memory at Test Completion (Mb) |

** Controller and Agents Resources**

|  |  |  |
| --- | --- | --- |
| Machine Name | % Processor Time | Available Memory at Test Completion (Mb) |
| [ACERAO756](graph:Controller%20and%20Agents) | 32.5 | 1,398 |

** Errors**

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Subtype | Count | Last Message |
| [Timeout](error:0) | Timeout | 172 | Request timed out |
| [Validation Rule Error](error:1) | ValidateResponseUrl | 40 | The value of the ExpectedResponseUrl property 'http://stage.telerikacademy.com/' does not equal the actual response URL 'http://stage.telerikacademy.com/Users/Auth/Login'. QueryString parameters were ignored. |
| [Exception](error:2) | SocketException | 12 | A connection attempt failed because the connected party did not properly respond after a period of time, or established connection failed because connected host has failed to respond 79.124.44.83:80 |

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| **Key Indicators** |
| C:\Users\velizar\AppData\Local\Temp\ltm_graph1.png |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | | | | | | | | | | Counter | Instance | Category | Computer | Color | Range | Min | Max | Avg. | | User Load | \_Total | LoadTest:Scenario | ACERAO756 |  | 1,000 | 1 | 200 | 165 | | Pages/Sec | \_Total | LoadTest:Page | ACERAO756 |  | 100 | 0.20 | 36.8 | 13.3 | | Avg. Page Time | \_Total | LoadTest:Page | ACERAO756 |  | 100 | 0.40 | 71.7 | 9.84 | | Errors/Sec | \_Total | LoadTest:Errors | ACERAO756 |  | 10 | 0 | 2.20 | 0.37 | | Threshold Violations/Sec | \_Total | LoadTest:Errors | ACERAO756 |  | 10 | 0 | 1.20 | 0.060 | |

|  |
| --- |
| **Page Response Time** |
| C:\Users\velizar\AppData\Local\Temp\ltm_graph1.png |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | | | | | | | | | | Counter | Instance | Category | Computer | Color | Range | Min | Max | Avg. | | Avg. Page Time | LogOut{GET} | LoadTest:Page | ACERAO756 |  | 315 | 0.57 | 10.1 | 2.44 | | Avg. Page Time | 265{GET} | LoadTest:Page | ACERAO756 |  | 315 | 0.41 | 20.6 | 3.90 | | Avg. Page Time | Login{POST} | LoadTest:Page | ACERAO756 |  | 315 | 0.79 | 224 | 14.4 | | Avg. Page Time | Login{GET} | LoadTest:Page | ACERAO756 |  | 315 | 0.30 | 126 | 11.6 | | Avg. Page Time | stage-telerikacademy-com{GET} | LoadTest:Page | ACERAO756 |  | 315 | 0.26 | 195 | 14.2 | | Avg. Page Time | LogOut{GET} | LoadTest:Page | ACERAO756 |  | 315 | 0.74 | 47.4 | 4.26 | | Avg. Page Time | 265{GET} | LoadTest:Page | ACERAO756 |  | 315 | 0.42 | 27.2 | 3.79 | | Avg. Page Time | Login{POST} | LoadTest:Page | ACERAO756 |  | 315 | 0.99 | 301 | 12.2 | | Avg. Page Time | Login{GET} | LoadTest:Page | ACERAO756 |  | 315 | 0.63 | 151 | 14.1 | | Avg. Page Time | stage-telerikacademy-com{GET} | LoadTest:Page | ACERAO756 |  | 315 | 0.72 | 314 | 58.9 | |

|  |
| --- |
| **Controller and Agents** |
| C:\Users\velizar\AppData\Local\Temp\ltm_graph1.png |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | | | | | | | | | | Counter | Instance | Category | Computer | Color | Range | Min | Max | Avg. | | % Processor Time | 0 | Processor | ACERAO756 |  | 100 | 8.26 | 64.1 | 33.8 | | Available MBytes | - | Memory | ACERAO756 |  | 10,000 | 1,289 | 2,188 | 1,680 | |