TEAM ARCHER

LOAD TEST FOR THE UPLOAD HOMEWORK FRONT END FUNCTIONALITY

Scenario:

Test 1:

1. Log into the system;
2. Navigate to the course main page
3. Click the upload homework link
4. Go back to the course main page

Points 3 and 4 repeat 3 times

1. Log out

Constant load of 100 users

Test duration: 5 minutes

**Load Test Summary**

**Test Run Information**

|  |  |
| --- | --- |
| Load test name | UploadHW100Users |
| Description |  |
| Start time | 1/29/2016 2:29:37 AM |
| End time | 1/29/2016 2:34:37 AM |
| Warm-up duration | 00:01:00 |
| Duration | 00:05:00 |
| Controller | Local run |
| Number of agents | 1 |
| Run settings used | Run Settings1 |

**Overall Results**

|  |  |
| --- | --- |
| Max User Load | 100 |
| Tests/Sec | 1.93 |
| Tests Failed | 15 |
| Avg. Test Time (sec) | 28.9 |
| Transactions/Sec | 0 |
| Avg. Transaction Time (sec) | 0 |
| Pages/Sec | 20.5 |
| Avg. Page Time (sec) | 3.62 |
| Requests/Sec | 124 |
| Requests Failed | 50 |
| Requests Cached Percentage | 59.0 |
| Avg. Response Time (sec) | 0.95 |
| Avg. Content Length (bytes) | 9,748 |

**Key Statistic: Top 5 Slowest Pages**

|  |  |
| --- | --- |
| URL (Link to More Details) | 95% Page Time (sec) |
| [http://stage.telerikacademy.com/](page:0) | 301 |
| [http://stage.telerikacademy.com/Users/Au...](page:20) | 5.26 |
| [http://stage.telerikacademy.com/Users/Au...](page:19) | 3.99 |
| [http://stage.telerikacademy.com/Users/Au...](page:29) | 2.51 |
| [http://stage.telerikacademy.com/Courses/...](page:26) | 2.18 |

**Key Statistic: Top 5 Slowest Tests**

|  |  |
| --- | --- |
| Name | 95% Test Time (sec) |
| [UploadHW](test:0) | 135 |

** Test Results**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Scenario | Total Tests | Failed Tests (% of total) | Avg. Test Time (sec) |
| [UploadHW](test:0) | UploadHW100Users | 580 | 15 (2.59) | 28.9 |

** Page Results**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| URL (Link to More Details) | Scenario | Test | Avg. Page Time (sec) | Count |
| [http://stage.telerikacademy.com/](page:0) | UploadHW100Users | UploadHW | 24.2 | 660 |
| [http://stage.telerikacademy.com/Users/Auth/Login {POST}](page:20) | UploadHW100Users | UploadHW | 2.45 | 629 |
| [http://stage.telerikacademy.com/Users/Auth/Login {GET}](page:19) | UploadHW100Users | UploadHW | 1.56 | 645 |
| [http://stage.telerikacademy.com/Users/Auth/LogOut](page:29) | UploadHW100Users | UploadHW | 1.08 | 580 |
| [http://stage.telerikacademy.com/Courses/Courses/Details/265](page:26) | UploadHW100Users | UploadHW | 0.99 | 1,823 |
| [http://stage.telerikacademy.com/Courses/Homework/Submit/56](page:28) | UploadHW100Users | UploadHW | 0.72 | 1,806 |

** 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) | 30.4 | 2,502 |

** Errors**

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Subtype | Count | Last Message |
| [Timeout](error:0) | Timeout | 45 | Request timed out |
| [Exception](error:1) | SocketException | 7 | 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 |  | 100 | 100 | 100 | 100 | | Pages/Sec | \_Total | LoadTest:Page | ACERAO756 |  | 100 | 0 | 33.0 | 20.5 | | Avg. Page Time | \_Total | LoadTest:Page | ACERAO756 |  | 100 | 0.56 | 76.2 | 3.62 | | Errors/Sec | \_Total | LoadTest:Errors | ACERAO756 |  | 10 | 0 | 2.40 | 0.17 | | 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 |  | 140 | 0.63 | 4.31 | 1.08 | | Avg. Page Time | 56{GET} | LoadTest:Page | ACERAO756 |  | 140 | 0.43 | 4.14 | 0.72 | | Avg. Page Time | 265{GET} | LoadTest:Page | ACERAO756 |  | 140 | 0.53 | 11.4 | 0.99 | | Avg. Page Time | Login{POST} | LoadTest:Page | ACERAO756 |  | 140 | 0.83 | 27.8 | 2.46 | | Avg. Page Time | Login{GET} | LoadTest:Page | ACERAO756 |  | 140 | 0.32 | 24.1 | 1.56 | | Avg. Page Time | stage-telerikacademy-com{GET} | LoadTest:Page | ACERAO756 |  | 140 | 0.38 | 139 | 24.3 | |

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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 | 18.5 | 48.0 | 30.1 | | Available MBytes | - | Memory | ACERAO756 |  | 10,000 | 2,502 | 2,770 | 2,625 | |