ДОМАШНЄ ЗАВДАННЯ 23-ГО УРОКУ

## ТЕМА: «Основи навантажувального тестування за допомогою Apache Jmeter»

**Перший рівень**

*1. Створи набір з GET, POST, PUT, PATCH, DELETE запитів до [JSONPlaceholder](https://jsonplaceholder.typicode.com/), які надсилаються протягом 10 секунд у 3 ітерації.*

*2. До кожного з запитів застосуй 3 різних assert’и.*

*3. Результати виконання тестів мають бути отримані за такими Listener’ами:*

* *View Results in Tree*
* *Summary Report.*

*4. Опиши висновки щодо результатів тестування (базуючись на репортерах) в окремому файлі.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| REQUEST | Assertions | Result | | |
| 1 iteration | 2 iteration | 3 iteration |
| GET 200 Request | 1. Response Assertion\_Code\_200;  2. Size Assertion\_Body\_size > 20 000;  3. Duration Assertion\_LoadTime\_200ms. | Thread Name:Thread Group 1-1  Sample Start:2023-02-09 22:39:55 MSK  Load time:129  Connect Time:85  Latency:123  Size in bytes:28553  Sent bytes:138  Headers size in bytes:1020  Body size in bytes:27533  Sample Count:1  Error Count:0  Data type ("text"|"bin"|""):text  Response code:200  Response message:OK  HTTPSampleResult fields:  ContentType: application/json; charset=utf-8  DataEncoding: utf-8 | Thread Name:Thread Group 1-1  Sample Start:2023-02-09 22:39:56 MSK  Load time:45  Connect Time:0  Latency:34  Size in bytes:28551  Sent bytes:138  Headers size in bytes:1018  Body size in bytes:27533  Sample Count:1  Error Count:0  Data type ("text"|"bin"|""):text  Response code:200  Response message:OK  HTTPSampleResult fields:  ContentType: application/json; charset=utf-8  DataEncoding: utf-8 | Thread Name:Thread Group 1-1  Sample Start:2023-02-09 22:39:56 MSK  Load time:46  Connect Time:0  Latency:38  Size in bytes:28547  Sent bytes:138  Headers size in bytes:1014  Body size in bytes:27533  Sample Count:1  Error Count:0  Data type ("text"|"bin"|""):text  Response code:200  Response message:OK  HTTPSampleResult fields:  ContentType: application/json; charset=utf-8  DataEncoding: utf-8 |
| POST 200 Request | 1. Response Assertion\_Code\_201;  2. Size Assertion\_Headers size <1500;  3. Duration Assertion\_LoadTime\_350ms. | Thread Name:Thread Group 1-1  Sample Start:2023-02-09 22:39:55 MSK  Load time:213  Connect Time:0  Latency:213  Size in bytes:1203  Sent bytes:273  Headers size in bytes:1122  Body size in bytes:81  Sample Count:1  Error Count:0  Data type ("text"|"bin"|""):text  Response code:201  Response message:Created  HTTPSampleResult fields:  ContentType: application/json; charset=utf-8  DataEncoding: utf-8 | Thread Name:Thread Group 1-1  Sample Start:2023-02-09 22:39:56 MSK  Load time:221  Connect Time:0  Latency:221  Size in bytes:1201  Sent bytes:273  Headers size in bytes:1120  Body size in bytes:81  Sample Count:1  Error Count:0  Data type ("text"|"bin"|""):text  Response code:201  Response message:Created  HTTPSampleResult fields:  ContentType: application/json; charset=utf-8  DataEncoding: utf-8 | Thread Name:Thread Group 1-1  Sample Start:2023-02-09 22:39:56 MSK  Load time:221  Connect Time:0  Latency:221  Size in bytes:1201  Sent bytes:273  Headers size in bytes:1120  Body size in bytes:81  Sample Count:1  Error Count:0  Data type ("text"|"bin"|""):text  Response code:201  Response message:Created  HTTPSampleResult fields:  ContentType: application/json; charset=utf-8  DataEncoding: utf-8 |
| GET 200 Request ID7 | Зробила запит POST через параметри, все вийшло.  **Response body**  *{*  *"userId": "101",*  *"id": 101,*  *"title": "hw\_l24",*  *"body": "test POST HW"*  *}*  Але мені не вдалося гетнути юзера з Id101, тому, як ти і рекомендував, гетнула один з перших юзерів наявних на тому сайті.  *{*  *"userId": 1,*  *"id": 7,*  *"title": "magnam facilis autem",*  *"body": "dolore placeat quibusdam ea quo vitae\nmagni quis enim qui quis quo nemo aut saepe\nquidem repellat excepturi ut quia\nsunt ut sequi eos ea sed quas"}* | | | |
| PUT 200 Request  **Response body**  *{*  *"userId": "1",*  *"id": 7,*  *"title": "Beetroot academy",*  *"body": "We teach IT professions for a sustainable economy of Ukraine"*  *}* | 1. Response Assertion\_Code\_200;  2. Response Assertion\_ResponseMessage\_"OK"  3. Duration Assertion\_LoadTime\_300ms | Thread Name:Thread Group 1-1  Sample Start:2023-02-09 22:39:55 MSK  Load time:215  Connect Time:0  Latency:215  Size in bytes:1139  Sent bytes:327  Headers size in bytes:1004  Body size in bytes:135  Sample Count:1  Error Count:0  Data type ("text"|"bin"|""):text  Response code:200  Response message:OK  HTTPSampleResult fields:  ContentType: application/json; charset=utf-8  DataEncoding: utf-8 | Thread Name:Thread Group 1-1  Sample Start:2023-02-09 22:39:56 MSK  Load time:219  Connect Time:0  Latency:219  Size in bytes:1137  Sent bytes:327  Headers size in bytes:1002  Body size in bytes:135  Sample Count:1  Error Count:0  Data type ("text"|"bin"|""):text  Response code:200  Response message:OK  HTTPSampleResult fields:  ContentType: application/json; charset=utf-8  DataEncoding: utf-8 | Thread Name:Thread Group 1-1  Sample Start:2023-02-09 22:39:56 MSK  Load time:224  Connect Time:0  Latency:224  Size in bytes:1129  Sent bytes:327  Headers size in bytes:994  Body size in bytes:135  Sample Count:1  Error Count:0  Data type ("text"|"bin"|""):text  Response code:200  Response message:OK  HTTPSampleResult fields:  ContentType: application/json; charset=utf-8  DataEncoding: utf-8 |