**Report on test task “Usage of Developer Tools”**

**Test object:** <https://oleg.software-testing.by/test_answers_wo.php>;

**Tester:** Dmitry Petrushko;

**Tasks:**

1. Find all available links, make them clickable (screenshot is requested);
2. Describe your actions on encounter of HTTP 404 and HTTP 403 error codes during WEB-application testing.

**Task 1**:

There are 9 (nine) links that have been found with usage of exploratory testing, including analyse of HTML-code and cookies (for confirmation of requirement “links must be clickable” please see the attachment).

Table 1. Links and related responses.

|  |  |  |  |
| --- | --- | --- | --- |
| **№** | **Link** | **Response code** | **Notes** |
| 1 | <https://oleg.software-testing.by/link_page.php?param=c9af7b27114bb1fc83b1983163b2a6f6>  Link#1 | 301  Moved Permanently | Blank page was loaded. There isn’t any indication of request completion (no message/error). |
| 2 | <https://oleg.software-testing.by/link_page.php?param=b9d68f6236472955add9ccd45e3056b7>  Link#2 | 302  Found | Blank page was loaded. There isn’t any indication of request completion (no message/error). |
| 3 | <https://oleg.software-testing.by/link_page.php?param=be74b7db4f5cc809b093ff82a3f3c657>  Link#3 | 200  OK | Blank page was loaded. There isn’t any data. |
| 4 | <https://oleg.software-testing.by/link_page.php?param=12620d2db3fa2fdb2a29514d17dfb7e6>  Link#4 | 500  Internal server error | The corresponding error page was loaded. |
| 5 | <https://oleg.software-testing.by/link_page.php?param=4634b069a94ce1bc16843d0340a1dfcc>  Link#5 | 401  Unauthorized | The corresponding error page was loaded. |
| 6 | <https://oleg.software-testing.by/link_page.php?param=91680c53853d451a9df1cce43f686f9b>  Link#6 | 403  Forbidden | The corresponding error page was loaded. |
| 7 | <https://oleg.software-testing.by/link_page.php?param=4ed6fea1d8c565404dbae83aa3f14a96>  Link#7 | 503  Service unavailable | The corresponding error page was loaded. |
| 8 | <https://oleg.software-testing.by/link_page.php?param=2f9b43d29033b53238c2cf16e3e53094>  Link#8 | ERR\_EMPTY\_RESPONSE | The corresponding error page was loaded. There is 5 sec delay in response. Custom HTTP code for ERR\_EMPTY\_RESPONSE is 324. |
| 9 | <https://oleg.software-testing.by/link_page.php?param=ea11307e3094d8863b333f633272c721>  Link#0 | 502  Bad gateway | The corresponding error page was loaded. |

*Note:*  Due to Link# name structure and placement I assume existence of Link#9. But I can’t find it.

**Task 2:**

Actions on encounter of error 404 on browsing page during WEB-testing:

1. Check if URL is correct;

**1a)** Incorrect URL: investigate reason - “is it a typo?”, analyse HTML-code with available methods and knowledge, try to find the potential fault-code;

**1b)** Correct URL: get information from QA-Lead/PM/etc on that URL (“Is work on the corresponding module/resource/page in progress?”, implementation schedule for module/resource/page, etc.). If work on it has status “in progress, there is no need for testing for now” than go to **4),** else go to **3)**.

1. Check server response for the page with DevTools (for example, there might be 301 (redirect)-200 (OK) with redirect for custom 404-error page);
2. Create a bug-report (in test management system or with other means required by project/company) with high severity status (or higher in case it blocks critical functionality, lower - in case of unpopular/low-priority page/service and etc);
3. Take a note to re-test that case after implementation/fix.

Actions on encounter of error 403 during WEB-application testing:

1. Check your current user status, available access rights;
2. Check available requirements/documentation for access rights;
3. If it works as intended - there is no need for bug-report. Otherwise go to **4)**;
4. Try to reproduce under administrator, guest and other types of users;
5. In case of inconsistent behavior with available access rights (for example, HTTP status code 403 for administrator) - create bug-report in TMS with high severity status (for each user group, if needed).

Attachment

