

Lab Practicum #5

Web Application Testing

Background:

In software engineering, a web application or webapp [1] is an application that is accessed via a web browser over a network such as the Internet or an intranet. It is also a computer software application that is coded in a browser-supported language (such as HTML, JavaScript, Java, etc.) and reliant on a common web browser to render the application executable.

Goal of the lab:

Perform testing of web application via internet using:

- Manual testing;
- Automated Web Test.

Task description:

- 1) Test two web applications on-line:
 - a. Mantis open-source bug tracker system (php, mysql):
<http://www.mantisbt.org/bugs/>
 - b. Rich Text Editor control open-source ASP.NET
<http://rte.codeplex.com/> (sources)
<http://rteeditor.members.winisp.net/>
- 2) Perform testing using at least two different web browsers on your choice: IE7, IE8, FireFox, Chrome, etc. If possible test web application in different operating systems: Windows, Linux (Ubuntu), MacOS, etc.
- 3) Create a set of the most probable usage scenarios for these web applications.
- 4) Create automated Web Test project using MS Visual Studio 2008 for any **local web** site using following guidance:

- a. <http://vikasgoyal77.googlepages.com/VSTSPerfTestingTutorial.pdf>
- b. **MSDN** [2].

Outcome:

- 1) Application quality report,
- 2) Found defects,
- 3) Automated Web test report (screen shots + test project from Visual Studio).

Input Materials:

- 1) http://en.wikipedia.org/wiki/Web_application
- 2) [http://msdn.microsoft.com/en-us/library/ms182536\(VS.80\).aspx](http://msdn.microsoft.com/en-us/library/ms182536(VS.80).aspx)

Template for Defects

Product: Version:

Priority:

Scenario (Use Case):

Component:

Type:

QA Severity:

DEF Number: Raised By:

Summary:

Steps to reproduce:

1. Run RSS Bandit
2. Load few RSS feeds
3. Open new Feed for reading
 1. New tab should open. (Feed details tab should not be active)
4. Activate search tab
5. Input search text and press "Search button"

Actual result:

Few items were found, but it is not clear how to see search results (see screenshot)

Expected result:

If something was found search results tab should be active

Environment:

Notes: