

Page Sleuth Requirements Document

Web Page Structure Requirements

1. The system shall provide layers of abstraction as described later of the organization of a web page.
2. The system shall show the layers of nesting of tables.
3. The system shall show the layering and number of frames of a web page.
4. The system shall provide information about style information.
5. The system shall provide information about style sheets the web page uses such as whether they are embedded, external, or default.
6. The system shall identify a search area of a web page.
7. The system shall show how the search form of a web page works.
8. The system shall allow a user to select a specific area of a web page to show information about it.
9. The system shall display formatting information of a web page or an area the user selects.
10. The system shall display and analyze information about anchors on a web page.
11. The system shall identify meta information of a web page.
12. The system shall analyze DIV tag blocks and display any useful information about them.

Web Page Content Requirements

13. The system shall identify flash material on a web page.
14. The system shall provide an examination of enhancements that use java scripts.
15. The system should show how video material is embedded in a web page.
16. The system shall show information about email to links on a web page.
17. The system shall analyze the links on a web page.
18. The system shall display and analyze information about images on a web page.
19. The system shall analyze and display information about image maps of a web page.

Forms Requirements

20. The system shall display and analyze form information of a web page.
21. The system shall analyze and display information about hidden fields with in a form on a web page.
22. The system shall analyze GETPOST actions of a form based web page.
23. The system should capture and analyze the output of a form when the submission subroutine is called.

Saving and Capturing Requirements

24. The system shall provide the capability to capture code used in java scripts.
25. The system shall allow the user to save any information displayed about a web page.
26. The system shall allow the user to load saved data from a previous analysis.

Invisible Items Requirements

27. The system shall analyze comment tags that are in a web page to gather extra information.
28. The system shall analyze and display information about web bugs.
29. The system shall analyze and display information about transparent images.

Other Requirements

30. The system shall allow the user to zoom out to higher levels of abstraction.
31. The system shall allow the user to zoom in to lower levels of abstraction.