



Database:

• A collection of information organized so that its contents can easily be accessed, managed, and updated.

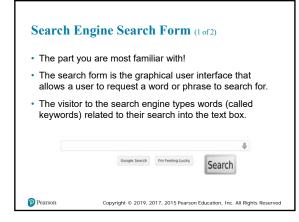
Database Management Systems (DBMSs)

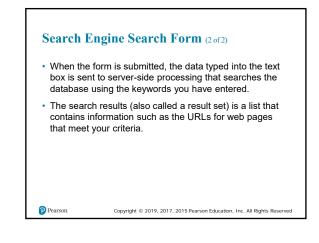
Configure and manage database
 Oracle, MySQL, Microsoft SQL Server, IBM DB2

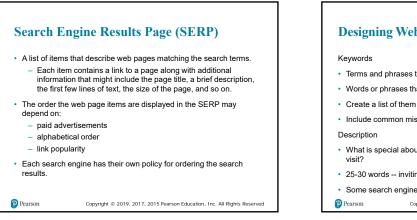
Search Engine Database

· Contains information about web pages

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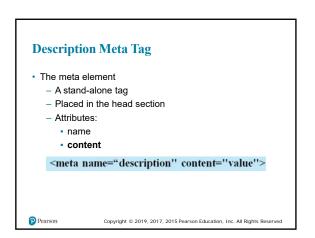




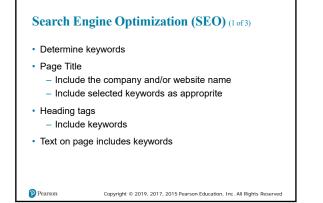


Designing Web Pages for Promotion

- · Terms and phrases that people may use when searching for your site.
- · Words or phrases that describe your web site or business.
- · Include common misspellings
- · What is special about your web site that would make someone want to
- · 25-30 words -- inviting and interesting
- · Some search engines will display your description in the SERP
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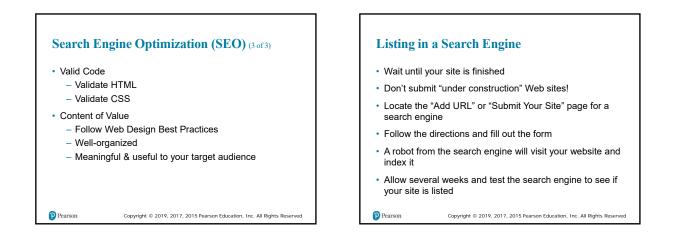


Search Engine Optimization (SEO) (2 of 3)

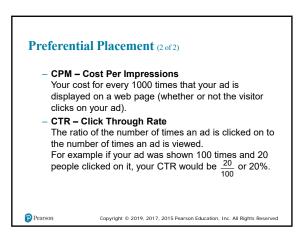
- Linking
 - Provide text navigation hyperlinks
 - Verify that all hyperlinks are functioning
- Page Layout
 - Use CSS for page layout
- Images & Multimedia
 - Configure meaningful alternate text
- Be aware that text and hyperlinks contained within multimedia may not be accessed by search engine robots

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Mapping Your Site

- HTML Site Map Web page
 - Used by visitors and accessed by search engines.
 - Example: <u>http://webdevbasics.net/sitemap.html</u>
- XML Sitemap file
 - Accessed only by search engines
 - List of Web pages with URL, last date updated, frequency of update, and priority indicators

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- See http://google.com/support/webmasters

1. Describe the three components of a search engine.

Checkpoint 13.1

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- 2. Describe the purpose of the description meta tag.
- 3. Is it beneficial for a business to pay for preferential listing? Explain.

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Monitor Search Engine Listings

Web Analytics:

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 "the measurement, collection, analysis and reporting of Internet data for the purposes of understanding and optimizing Web usage."

Analyze web site logs

Keyword	Visits	Pages Per Visit	Average Time on Site
web design best practices	27,097	1.75	00:01:17
web design best practice	21,773	6.08	00:07:32
web development and design foundations	15,751	5.71	00:04:56
basics of web design: HTML5 & CSS3	14,346	5.96	00:05:43
html5 basics	6,859	5.32	00:04:05
basic html5 template	4,943	5.98	00:06:24
basic html5 page	4,023	8.20	00:05:23
html5 basic code	3,198	4.17	00:05:02
basic html5 tags	3,141	5.06	00:04:46
html5 basics pdf	3,120	4.94	00:04:27

Link Popularity Rating determined by a search engine based on the number of sites that link to a particular website and the quality Checking Link Popularity • Analyze your log file

- Visit a link popularity checking service web site <u>http://linkpopularity.com</u>
- Visit search engines and check for yourself:
 At Google type the following into the search box: link: yourdomainname.com

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Social Media Optimization

· Creating content of value that is easily sharable

· Benefits:

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- Increased brand awareness
- Increased inbound links
- Make sharing easy
 - Social Bookmarking.
 - <u>http://addthis.com</u>
 - Twitter, Facebook, Pinterest, Digg, Reddit, LinkedIn, YouTube,

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Other Site Promotion Activities (2 of 2)

- Newsgroup and Listserv Postings
- Traditional Media Ads

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Leverage Existing Marketing Materials

QR (Quick Response) Code

A two-dimensional barcode in a square pattern that is readable by a smartphone camera scan application or a QR barcode reader

- Free online QR code generators:
- <u>http://qrcode.kaywa.com</u>
- <u>http://www.qrstuff.com</u>
- <u>http://www.labeljoy.com/en/generate-qr-code.html</u>



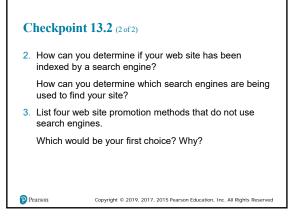
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Checkpoint 13.2 (1 of 2)

- 1. Are the results returned by various search engines really different?
- · Choose a place, music group, or movie to search for.
- Enter the same search terms, such as "Door County" into the following three search engines: Google, Yahoo!, Bing.
- · List the URLs of the top three sites returned by each.
- · Comment on your findings.

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Section 2012 Contract to Section 2012 Contrac

Summary (1 of 2)

- This chapter introduced concepts related to promoting your website.
- Techniques for search engine optimization were discussed.
- The activities involved in submitting websites to search engines and search directories were discussed along with techniques for making your website more useful to search engines.
- The new trend of social media optimization was introduced.

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Summary (2 of 2)

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- Other web site promotion activities such as banner ads and QR codes were also discussed.
- You can help the marketing staff by creating websites that work with search engines and directories by following the suggestions in this chapter.

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