Keep these questions in mind as you read chapter 4.

1. How do web search tools make it more efficient to find information?
2. When you type a word or phrase into the Google search engine, what is the search algorithm that is being used? Explain in your own words the process used by Google's search engine.
3. What is a captcha? How has the collective efforts of Internet users contributed to analyzing images through captchas?
4. "The architecture of human knowledge has changed as a result of search." Do you agree? Explain your reasoning.
5. What are the differences between Figures 4.10 and Figure 4.11 in the book? Why are there differences even though they are both a Google search results page?
6. How do you think mobile computing might have influenced web searches?
7. Would you retain your search history or delete it? Why?
8. Should a researcher place absolute trust in a search engine? Why or why not?
9. The authors claim "search is a new form of control over information" (p. 111) and "search is power" (p. 145). Why might it be important to talk about the social implications of searching on the Internet?
10. How have search trends been used to predict information? What are the positive and negative impacts of using trends to make predictions?
11. Find and read an article about web searches or algorithms. Write a 3-4 paragraph summary of the article. Include the author's name, the title of the article, the date it was published, and a link to the article.

Portfolio Reflection Questions

Make a copy of this document in your Portfolio Assignments folder and answer these questions in the spaces below. Once complete, turn in this assignment according to the steps given by your teacher.

5.11 Impacts of CS: Web Searches Curriculum Page

Keep these questions in mind as you read chapter 4. For each question, write a short answer and post your answers on a page called Blown to Bits, Chapter 4 on your portfolio. Don't worry if you think you don't know the right answer. Just give it your best shot:

1. How do web search tools make it more efficient to find information?

2. When you type a word or phrase into the Google search engine, what is the search algorithm that is being used? Explain in your own words the process used by Google's search engine.

3. What is a captcha? How has the collective efforts of Internet users contributed to analyzing images through captchas?

4. "The architecture of human knowledge has changed as a result of search." Do you agree? Explain your reasoning.

5. What are the differences between Figures 4.10 and Figure 4.11 in the book? Why are there differences even though they are both a Google search results page?

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