Chapter 1

1. A) The W3C was founded in 1994 by Tim Berners-Lee. It was founded at the MIT Laboratory for Computer Science, coincidentally where the Web originated about 5 years earlier.

B) Membership to the W3C is open to all individuals and/or organizations

c) The W3C home page lists a number of technologies. Choose one that interests you, click on its link, and read the associated pages. List three facts or issues you discover.

1. The Internet Society take an active leadership role in issues related to the internet. Visit its site at <http://www.isco.org> and then answer the following questions.
   1. Why was the Internet Society created?
   2. Determine which local chapter is closest to you. Visit the website’s URL and an activity or service that the chapter provides.
   3. How can you join the Internet Society? What does it cost to join? Would you recommend that a beginning Web developer join the Internet Society? Why or Why not?
2. The World Organization of Webmasters (WOW) is a professional association dedicated to the support if individuals and organizations that create and manage websites. Visit its site at <http://www.webprofessionals.org> and then answer the following questions:
   1. How can you join WOW? What does it cost to join?
   2. List one of the events in which WOW participates. Would you like to attend this event? Why or Why not.

Chapter 5

1. This chapter discusses recommended web design practices. Sometimes it is helpful to learn about good design by examining bad design. Visit Web Pages that Suck (<http://www.webpagesthatsuck.com>) and read about their examples of poor design. Think about some websites that you have visited. Do any of them have similar qualities? Find two websites that use poor web design practices. Write a one page report that includes an introduction about web design practices that are not followed at the websites, a link to each site, and a description of how each site has practices poor web design.
2. Visit any of the website referenced in this chapter that interest you. Write a one page summary and reaction to the website you chose to visit. Address the following topics:
   1. What is the purpose of the site?
   2. Who is the intended audience?
   3. Do you think the site reaches the intended audience?
   4. List three examples of how this website uses recommended web design guidelines.
   5. How can this site be improved?

Chapter 10

2. Run an automated accessibility test on the home page of your school’s website. Use both the WebAIM Wave (<http://wave.webaim.org>) and ATRC AChecker (<http://www.achecker.ca/checker>) automated tests. Describe the differences in the way these tools report the results of the test. Did both tests find similar errors? Write a one page report that describes the results of the tests. Include your recommendations for improving the website.

3. The web Page Analyzer (<http://www.websiteoptimization.com/services/analyze>) calculates download times for a web page and associated assets, along with providing suggestions for improvement. Visit this site and test your school’s home page (or a page assigned by your instructor). After the test is run, a web page speed report will display file sizes and include suggestions for improvement. Print out the browser view of this results page and write a one page report that describes the results of the test and your own recommendations for improvement.

1. This chapter discussed options for hosting websites. In this research exercise, you will search for web hosting providers and report on three that meet the following criteria:
   1. Support PHP and MySQL
   2. Offer e-commerce capabilities
   3. Provide at least 1GB disk space

Use your favorite search engine to find web hosting providers or visit web host directories such as Hosting Review (<http://www.hosting-review.com>) and HostIndex.com (<http://www.hostindex.com>). The web server survey reports provided by Netcraft (<http://uptime.netcraft.com/perf/reports/Hosters>) may be useful. Create a web page that presents your findings. Include links to your three web hosting providers. Your web page should include a table of information such as the setup fees, monthly fees, domain name registration costs, amount of disk space, type of e-commerce package, and cost of e-commerce package. Use color and graphics appropriately on your web page. Place your name and e-mail address at the bottom of your web page.