IT1150 Lab 1:

All lab files have the following requirements:

* A title page with: your name, lab #, date and class including CRN.
* A summary, sometimes referred to as an executive summary (on the next page after the title page) that summarizes what you will be addressing in the lab. In professional settings including internships / co-ops students are expected to summarize a project or presentation. This is great practice for this purpose and for many students it is more effective to do this after the lab is completed.
* Completed lab… be sure to include all requirements including discussions, screen shots etc. depending on lab specifications.
* Conclusion. Here you will discuss the lab experience including areas of challenge, future considerations or areas of interest. Similar to the summary, this will be written as if you are explaining the items mentioned in a professional setting.
* If you utilize resources outside of those listed (you are welcome to do so) be sure to include them on a references page.
* Requirements for file to be uploaded:
  + Pdf or doc file (if you are using open office be sure to save as a .doc)
  + Naming convention (you will be reading more about these later in the lab): IT1150Lab1CurrentSemesterAndYearYourName.doc. For example: IT1150Lab1Summer2016AnnSmith.doc
* Once you click on the Lab link above this document you will find a browse button to upload the lab. This is also where you will find the lab rubric for additional detail regarding lab requirements.
* There is also a comment box when you upload your lab. This is a great place to relay any additional information about your experience that you would like me to know. Please do not ask questions here for which you would like an immediate answer as you may not receive a timely reply.

***Lab Directions:***

1. Chapter 1 questions (2 points each):
   1. Describe the purpose of HTML vs CSS.
   2. What is the W3C and how is it important to web development?
   3. What is the difference between a text editor and a development tool? Give an example of each.
   4. Explain the main components of an HTTP URL.
   5. What is ADA and how does it relate to web development?
2. Use Google to search for “search engine optimization.” Explore a couple of links for more information. Describe the major factors in “search engine optimization. (4 points) – Be sure to include additional resources that you use on a “resources” page at the end of the document.
3. Now search for “responsive web design” and after exploring write a paragraph describing this concept. (4 points) Be sure to include additional resources that you use on a “resources” page at the end of the document.
4. Chapter 2: Download the textbook start files and complete the following (6 points each):
   1. Page 83 exercise 2-2 (note: you are not required or encouraged to download the software. Please use notepad or notepad++ for the editing and creation of HTML and CSS files.) Be sure to include your completed code and a screenshot of your web page.
   2. Page 84 exercise 2-3. Please follow the guidelines mentioned in 4a.
5. Let me know if you have questions or concerns. You have a two week span for the lab so be sure to get an early start so that I can effectively answer any questions that you may have.