Please thoroughly study Chapter 3 and 4 of TDET: "Knowledge in the Head and in the World" and "Knowing What to Do: Constraints, Discoverability, and Feedback" by Donald Norman. The report will consist of the following: (Note that for each of the bullet points listed below, you need to have a separate paragraph with an appropriate title)

- Report Introduction (2.5)
- Chapter 3:
  o Chapter 1 Introduction (5 pts)
  o Constraints simplify memory (3 pts)
    ▪ Example[1] (3 pts)
  o Memory is knowledge in the head (3 pts)
    ▪ Example (3 pts)
  o The tradeoff between knowledge in the world and in the head (5 pts)
    ▪ Example (5 pts)
  o Natural mapping (5 pts)
    ▪ Example (5 pts)
  o Discussion and Conclusion (5 pts)
    Total of Chapter 3: 42 pts
- Chapter 4:
  o Introduction (5 pts)
  o Define constraints (3 pts)
    ▪ Physical constraints (3 pts)
      • Example (3 pts)
    ▪ Cultural constraints (3 pts)
      • Example (3 pts)
    ▪ Semantic constraints (3 pts)
      • Example (3 pts)
    ▪ Logical constraints (3 pts)
      • Example (3 pts)
  o Constraints that force the desired behavior (5 pts)
    ▪ Example (5 pts)
  o Using sound as signifiers (3 pts)
    ▪ Example (3 pts)
  o Discussion and Conclusion (5 pts)
    Total of Chapter 4: 53 pts
- Discussion and conclusion (2.5 pts)

Total: 100 pts

Violating the formatting guideline (page 2) will result in up to 10% deduction.
Late submissions will result in a 10% deduction for everyday late.

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[1] All the examples in your report should be a computer science or information systems related examples that you may have encountered with respect to the concept that you are asked to explain! You are NOT allowed to use any of the examples in the TDET or any other class materials (it will result in point deduction). However, you are allowed to use examples from other resources as long as you properly cite them!

GUIDELINES FOR THE ORGANIZATION OF THE REPORT

Formatting the First Page of Your Paper

- Do not make a title page for your paper.
- In the upper left-hand corner of the first page, list your name, your instructor's name, the course, and the date. Be sure to use double-spaced text.
- Double space again and center the title. Do not underline, italicize, or place your title in quotation marks; write the title in Title Case (standard capitalization), not in all capital letters.
- Double space between the title and the first line of the text.
- Create a header in the upper right-hand corner that includes your Clemson Username, followed by a space with a page number; number all pages consecutively with Arabic numerals (1, 2, 3, 4, etc.).
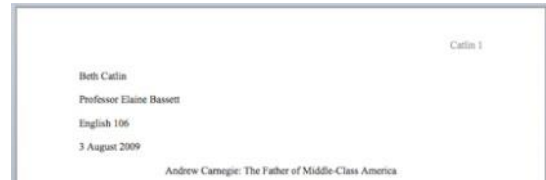- Here is a sample of the first page of a paper in MLA style (figure 1):

Figure 1: A sample of the first part of a paper in MLA style

Introduction:

- State the purpose and rational of your report

Body of the Report (each of the bullet points in page 1 of this instruction must have an appropriate title)

- Summarize the main points of the chapter in your own words (be creative)!

Discussion and Conclusion:

- Answer the following questions:
  o What makes this chapter interesting or important?
  o How has the readings helped/changed you to see the world around you?

Length:

- The report should not exceed 5 pages including the first page.

General Instructions:

- Headings should divide the report material into manageable segments.
  o Use the following system: Highest rank heading centered, boldface, and standard capitalization. Second rank heading beginning at left margin, boldface, standard capitalization.
- You will submit a report in 11 pt font, single spaced, times new roman in a PDF document.
- Allow 1 inch for the left, right, bottom, and top margins on all pages.

Visual Aids:

- It is recommended to use images/pictures to support your points but they need to be numbered and be referred in the text!

Reference Section:

- If you have any citations you should include them in this section

Turn in Your Work:

- Rename you file as [Your Clemson username].pdf   (ex. eebrahi.pdf)
- Submit your report using the handin page: http://handin.cs.clemson.edu
- If you have any question regarding the report, please email Ellie Ebrahimi at eebrahi@g.clemson.edu