

EIT 52:623:335
Systems Analysis and Design
HyperCase Term Project
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Introduction

HyperCase is a graphical organization simulation of an actual company we've named Maple Ridge Engineering. It is available on the Web at www.prenhall.com/kendall. During the course of the semester we will be using HyperCase to understand the course material and to complete the term project.

Your HyperCase term project should be the result of **independent** and **original** analysis that you perform on Maple Ridge Engineering (MRE), the company found in HyperCase. This term project is meant to help you apply the techniques, methods, and tools taught during the course, to correctly analyze and diagnose typical systems problems; and offer original, useful, and relevant solutions. Please note that all of the HyperCase Experiences are reports of real-world problems encountered in actual systems development projects.

Style Guidelines

Each of your answers should be word-processed on 8 1/2" x 11" paper. You can answer each question correctly while adhering to a maximum of 2-3 pages (including any diagrams) for the entire problem set, which means your entire paper will be about 20-25 double spaced pages.

Each of your solutions to a HyperCase Experience should be separately labeled with the correct number, and should **begin on a new page**. You **should not reprint the questions**. However it is important that you number your responses to correspond with the numbers given in the problems. For example in HyperCase 2, there are 6 problems, so your solution should have responses labeled 1-6.

Specifications and Order of Sections for the Final Project

Please number the sections as indicated at the bottom of this explanation.

Cover Page.

1. Executive Summary. You will normally write this part last after you have completed all the other parts. This page should not be numbered.

2. The first official page in your paper (page 1) should be a copy of your values statement discussing your ideal of the consultant-client behavior from the beginning of the term (rewritten slightly to reflect what you have learned).

3.- 22. The HyperCase assignments. Include all of our solutions to the problems assigned, numbered to correspond with the problem numbers at the bottom of this explanation. It is also helpful to indicate the HyperCase number as shown in the following example:

3. HC #2, pages 43-44, problems 1-6.

23. Following your HyperCase solutions, you should write a Summary of Professional Recommendations you have made to MRE regarding their adoption of their new information systems.

24. The last section of the report should be a 1-2 page essay entitled "Lessons Learned." This should be an original essay **about how you have changed and what you have learned** by taking the course in systems analysis and design. It is about *your relationship* to the course material, not about the course content per se.

25. A reference list of references used to prepare your report.

You should word process any writing you do to complete your HyperCase answers, and you can either neatly hand draw or use any drawing package like Microsoft Visio or even Microsoft Word to draw any diagrams required to answer the questions. Submit only your own original output to me in the hard copy (this is an individual project, not a group project). The university has a scanner that you can use to copy drawings into an electronic file. The lab assistant will show you how to use the scanner.

Keeping a Notebook

Even on days you are not presenting, you should attempt to complete the MRE HyperCase assignment the same day it is presented in the class to get maximum benefit out of the discussion. Also, keep your solutions together in a notebook, as I will periodically ask to see your progress. You are meant to build up your notebook (term paper) slowly, over the course of the entire semester.

I will answer questions about your talks the week before your presentation or by email.

Due Date

Your completed HyperCase term project is due at 6:00 PM in our classroom on **Monday May 1st**, which is our last class day of the semester. Please turn in a hard copy, as well as an electronic copy sent to kendallk@crab.rutgers.edu labeled with your name and the file name clearly marked. As noted on your syllabus, this systems project is worth 25% of your course grade.

Outline for HyperCase Project

1. Executive Summary
2. Statement of consultant-client values you subscribe to
3. HC #2, pages 43-44, problems 1-6.
4. HC #3, pages 79-80, problems 1-4.
5. HC #4.1, page 98, problems 1-2.
6. HC #4.2, page 112, problems 1-4.
7. HC #5.1, page 135, problems 1-5.
8. HC #5.2, pages 143-144, problems 1-4.
9. HC #6, page 179, problems 1&2.
10. HC #7, pages 225, problems 1&2.
11. HC #8, page 267, problems 1-4.
12. HC #9, page 308, problem 1.
13. HC #10.1, page 331, problems 1-3.
14. HC #10.2, page 337, problems 1-5.
15. HC #10.3, page 349, problems 1&2.
16. HC #11, page 390, problems 1, 2, &3.
17. HC #12, page 427, problems 1&4.
18. HC #13, page 483, problems 1-3.
19. HC #14, page 528, problems 1&2.
20. HC #15, page 569, problems 1-3.
21. HC #16, page 609, problems 1-3.
22. HC #17, page 649, problems 1-3.
23. Summary of professional recommendations for MRE
24. Lessons Learned
25. References