

# Systems Analysis and Design

## 52:623:335 Dr. Kendall

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### Term Project

Throughout the semester you are being asked to take on the role of a systems analyst. As your expertise grows, so will your confidence and ability to help solve IT problems in a systematic way. Your term project consists of correctly, individually and originally solving the problems posed in several Consulting Opportunities in your text and then communicating your solutions.

Consulting Opportunity	Page # in 8/e	Title	Comments
2.1	26	<i>The E in Vitamins E Stands for Ecommerce</i>	Answer each of the 3 questions.
3.3	73	<i>We're Off to See the Wizards</i>	Provide pros and cons for each alternative, then write a 2-paragraph recommendation
4.3	113	<i>A Systems Analyst I Presume?</i>	Identify the overriding metaphor, and then answer the 2 questions in a paragraph each.
5.3	145	<i>Don't Bank on their Self Image . . .</i>	Checklist and paragraph
6.4	162	<i>This Prototype is All Wet</i>	List and paragraph
7.1	216 & 217	<i>There's No Business Like Flow Business</i>	Data flow diagram
8.1 (See 7.1)	240	<i>Want to Make it Big in the Theatre?</i>	Prepare all data dictionary entries requested, except leave out the two "data processes."
9.1 & 9.2	263 & 264	<i>Kit Chen Kaboodle, Inc. and Kneading Structure</i>	Copy page and follow instructions for 9.1. Write structured English for 9.2
10.1	284	<i>Around the World in 80 Objects</i>	Complete the two steps marked with bullet points. Use Figure 10.3 as a prototype.
11.2	339	<i>A Right Way A Wrong Way, and a Subway</i>	Respond specifically to each of the 5 questions.
12.3	390	<i>It's Only Skin Deep</i>	Follow directions to design, draw and describe a series of skins. Include an explanation as asked.
13.2	430	<i>Storing Minerals for Health, Data for Mining</i>	Answer the questions.
14.3	456	<i>Don't Slow Me Down</i>	Answer all of the questions.
15.3	499	<i>To Enter or Not to Enter: That is the Question</i>	Draw displays and answer all of the questions.
16.2	524	<i>Write is Right</i>	Answer each of the 3 questions with a paragraph.
16.5 (See 3.1)	546	<i>The Sweet Smell of Success</i>	Draw a network diagram; write a paragraph of rationale for your solution.

Your term project should follow the outline given below. All text should be double-spaced. Diagrams can be neatly hand drawn or drawn in Visio, Visible Analyst, or any drawing package of your choosing that professionally depicts your answer.

Remember to create electronic versions of everything, since they eventually must be electronically posted (using Sakai). You can use a screen capture program to capture electronic drawings and paste them into Word, or scan in your diagrams.

**0. Title page** including name, date, and course number

**I. An Introduction.** Introduce yourself as a systems analyst serving as an outside consultant for an organization. (You can create a consulting firm for yourself if you would like.) Describe the methods, tools, and approaches you have used to address the organizational problems found in the Consulting Opportunities.

**II. A values statement** on a separate page. (This can be based in part on the one you submitted at the beginning of the semester.) Use a paragraph or two that discusses what your values are as a systems analyst working on a project, and what your expectations of your client are in a working relationship.

**III. Solutions to the 17 Consulting Opportunities.** Start each solution on a separate page. Title it with the number and name of the Consulting Opportunity. For example, if you answer Consulting Opportunity 1.1 then your title will be "Solution for Consulting Opportunity 1.1, *Healthy Hiring: ECommerce Help Wanted.*"

**IV. Lessons Learned.** This section should be approximately two pages. It is an original, personal reflection on what you learned in the course (content, values, process, and something about yourself) and how you think you will use that knowledge in the future.

**V. References.** (You will probably reference your text, but please feel free to refer to any other articles that help you formulate your answers). Use the reference style found in your text.

Remember that all work submitted must be your original work.

## Hints

If a Consulting Opportunity asks you to "discuss, or "describe" a solution, write three paragraphs to answer it, unless otherwise specified. Each answer to each Consulting Opportunity (CO) must start on a new page. It is critical that you number each solution. You should not re-enter the question, but you must include the numbering of each Consulting Opportunity. (Notice that the problems within each Consulting Opportunity are usually not numbered.) Make it clear which solution you are supplying.

In order to guarantee a "C" or better on your term project, you need to supply a solution for each Consulting Opportunity on the term project.

Please follow the instructions for preparing your responses. **Your term project is due on the date listed on your syllabus.** This is the period reserved for your final exam. Your final project is considered your final exam. Please turn in a hard copy of your project at that same. You will also be submitting an electronic copy of your paper at the same time via Sakai. I will be using Turnitin software to doublecheck the originality of your submission.

**Your term paper assignment is considered complete and can be assigned a grade when I receive both the electronic and paper copies of your paper. Thank you.**