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# INFORMATION SYSTEMS RESEARCH PROJECT

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## OVERVIEW

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In this course, you will compose a scholarly paper that explores five topics relating to information systems utilized by management in today's global On-Demand economy. Before beginning to develop your paper, you will select five IS-related solutions from the list provided in the course (Module 3).

Working on this Research Project paper will help you better understand the Information Systems (ISs) managers frequently use in various types of organizations. You will also enhance your professional growth by researching five IS-related solutions using primary sources outside of the course textbook.

## SCENARIO

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You are working, hypothetically, for a medium-to-large aviation-related enterprise, and thanks to your ERAU College of Business degree, you have substantial knowledge of Information Systems. Because of your expertise, you were promoted to a mid-level management position. Now your superiors expect results! Upper management has tasked you to investigate and evaluate five different IS-related solutions.

## PROJECT BRIEF

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The Research Project contains four assignments that you will complete throughout the course. You will submit these assignments in **Modules 3, 5, 7, and 8**.

Below is a brief overview of the submissions due in each module.

### Overview of Submissions

- **Module 3 (Submission 1):** List your five topic choices (chosen from the provided list of 13 IS-related solutions) in a barebones APA Style-formatted document.
- **Module 5 (Submission 2):** On the same document you submitted in Module 3, edited from your instructor's feedback, add the introductory paragraph, data relating to the first and second topics, and associated citations/references.
- **Module 7 (Submission 3):** On the same document you submitted in Module 5, edited from your instructor's feedback, add the data relating to the third and fourth topics and associated citations/references.
- **Module 8 (Submission 4):** On the same document you submitted in Module 7, edited from your instructor's feedback, add the data relating to the fifth and last topic, Conclusion section data, and citations/references.

**Important:** Follow the detailed instructions in the following **Project Submission** section of this document to complete these submissions.

## PROJECT SUBMISSIONS

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### MODULE 3 (PROJECT SUBMISSION 1): FIVE SOLUTIONS SELECTION AND 4-PAGE TEMPLATE

#### Overview

Project Submission 1 requires you to select a title for your project, choose five IS-related solutions to conduct research during later modules, and build a three-page, barebones template in the current APA Style format. The template that you create in this module is a working draft that will eventually evolve into your final research project document for submission in Module 8.

#### Detailed Instructions

**Title Page (Page 1):** Page One of your barebones template is a properly formatted APA Style Title Page. The Title Page contains the centered **Title of the Paper** in **bold** font and title case. Five lines of data (Student Name, etc.) specified in the APA Style Manual (7th ed.) follow the **Title of the Paper**. The page number is presented in the page header at the right-side location. Note: The page number is the only data presented in the page header in undergraduate papers (New modification with APA Style Ver 7). Include page numbers on every page in the same manner as presented on the Title Page.

**Body of Text (Page 2):** Page Two begins the main body of the text with the centered **Title of the Paper** in **bold** font. A list of the five IS-related solutions that you selected from the thirteen IS-related solutions immediately follows the **Title of the Paper**. The centered word "**Conclusion**" in **bold** font immediately follows the list of the five IS-related solutions. Note: You will fill in the rest of the body of the text composition and citation data in three parts when working in Modules 5, 7, and 8. You will fill in the **Conclusion** data when working on the final draft of your document in Module 8.

Note: Select your five IS-related solutions from the list below:

- Digital Dashboard with Key Performance Indicators (KPIs)
- Transaction Processing System (TPS)
- Decision Support System (DSS)

- Cloud Computing
- Database Management System (DBMS)
- Enterprise Data Warehouse (EDW)
- Electronic Records Management (ERM)
- Mobile Infrastructure
- Search Engine Optimization (SEO)
- Customer Relationship Management (CRM)
- Transportation Management System (TMS)
- Computer Integrated Manufacturing (CIM)
- Supply Chain Management (SCM)

**References List Page (Page 3):** Present only the centered word "**References**" in **bold** font (without the quotation marks) on Page Three. Note: You will fill in the reference data when working in Modules 5, 7, and 8.

Save your assignment using a naming convention that includes your first and last name and the activity number (or description). Do not add punctuation or special characters.

Project Submission 1 is due by the end of Module 3. The instructor will use the Project Submission 1 Rubric to grade your assignment.

## MODULE 5 (PROJECT SUBMISSION 2): SOLUTIONS 1 AND 2

### Overview

In your role as an employee at a medium-to-large aviation-related business, it is time to drill down to the specifics for two of your selected IS-related solutions. As you perform research and compose your data, remember that you are in a mid-to-upper management position and have significant decision-making influence with your company.

### Detailed Instructions

Before you begin to work on the Project Submission 2 assignment, review the instructor's evaluation and grading markups and comments on the Project Submission 1 document. Correct any issues and re-save the corrected Project Submission 1 document as the new Project Submission 2 working document.

Project Submissions #2, #3, and #4 must provide details regarding how the departments in your organization could benefit from implementing the IS-related solutions that you are studying in this course. Some departments to consider are Human Resources, Supply Chain, Information Technology, Maintenance, Marketing, Operations, Reservations, and Sales.

Distinguishing how the IS-related solutions will benefit your company,

- Provide details and examples of applications and solutions offered by retail vendors.
- Describe the framework for each solution that the internal staff of your company might develop and implement.
- Present an account of the strengths, weaknesses, and cost considerations for those solutions.
- Finally, identify and describe how a solution can provide a competitive advantage, influence strategy, affect organizational performance, and increase operational efficiency.

The following are the submission requirements for this assignment:

- Begin the body of the text section with a brief paragraph consisting of 4-5 sentences that introduce the need for new IS solutions in your company.
- Submit researched scholarly data for TWO of the IS-related solutions that you selected.
- Submit a minimum of TWO full pages of double-spaced text in the body of the text section for EACH IS-related solution. The TOTAL number of submitted pages in the body of the text section is FOUR full pages. The Title and References List pages are not considered part of the "FOUR full pages" in the body of the text section.
- A minimum of TWO primary reference sources outside of the course textbook is required to be cited and referenced in the document submission (ONE per topic).
- As you do your research and compose data for each of the IS-related solutions in each assignment, keep up the References List page and make notes that will be used to compose the Conclusion section in your final draft document in Module 8.

Save your assignment using a naming convention that includes your first and last name and the activity number (or description). Do not add punctuation or special characters.

Project Submission 2 is due by the end of Module 5. The instructor will use the Project Submission 2 Rubric to grade your assignment.

## MODULE 7 (PROJECT SUBMISSION 3): SOLUTIONS 3 AND 4

### Overview

If you are reading this, you are still an employee with managerial influence at the medium-to-large aviation-related enterprise. Even though you have already investigated two solutions, your "higher-ups" want you to investigate three more Management Information Systems. Who knows, you may get a substantial bonus after this project is complete.

### Detailed Instructions

The requirements for Project Submission 3 are similar to Project Submission 2. Before you begin to work on the Project Submission 3 assignment, review the instructor's evaluation and grading markups and comments on the Project Submission 2 document. Correct any issues and re-save the corrected Project Submission 2 document as the new Project Submission 3 working document.

Project Submissions #2, #3, and #4 must provide details regarding how the departments in your organization could benefit from implementing the IS-related solutions that you are studying in this course. Some departments to consider are Human Resources, Supply Chain, Information Technology, Maintenance, Marketing, Operations, Reservations, and Sales.

Distinguishing how the IS-related solutions will benefit your company,

- Provide details and examples of applications and solutions offered by retail vendors.
- Describe the framework for each solution that the internal staff of your company might develop and implement.
- Present an account of the strengths, weaknesses, and cost considerations for those solutions.
- Finally, identify and describe how a solution can provide a competitive advantage, influence strategy, affect organizational performance, and increase operational efficiency.

The following are the submission requirements for this assignment:

- Submit researched scholarly data for FOUR of the IS-related solutions that you selected.
- Submit a minimum of TWO full pages of double-spaced text in the body of the text section for EACH IS-related solution. The total number of pages in the body of the text section is EIGHT full pages. The Title and References List pages are not considered part of the "EIGHT full pages" in the body of the text section.
- A minimum of FOUR primary reference sources OUTSIDE of the course textbook is required to be cited and referenced in the document submission (ONE per topic).
- As you do your research and compose data for each of the IS-related solutions in each assignment, keep up the References List page and make notes that will be used to compose the Conclusion section in your final draft document in Module 8.

Save your assignment using a naming convention that includes your first and last name and the activity number (or description). Do not add punctuation or special characters.

Your 7.3 assignment submission is due by the posted due date. Your instructor will use the 7.3 Research Project: Submission 3 Rubric for evaluating and grading your submission.

## MODULE 8 (FINAL SUBMISSION): SOLUTION 5 AND FINAL PAPER SUBMISSION

### Overview

There's a rumor going around the coffee break room that if you conduct thorough research on the five selected IS topics and submit a scholarly, well-reasoned document, the "powers that be" are certain to promote you into that management position for which you have labored and worked so diligently. If you can produce some critical analyses that will give the upper management folks a clear picture of the bottom line with respect to which IS solutions could greatly benefit the company, you will be certain to receive an offer of a larger office along with a hefty pay raise. This is all part of the career plan that you first developed at ERAU.

### Detailed Instructions

The requirements for Project Submission 4 are similar to Project Submission 3. Before you begin to work on the Project Submission 4 assignment, review the instructor's evaluation and grading markups and comments on the Project Submission 3 document. Correct any issues and re-save the corrected Project Submission 3 document as the new Project Submission 4 working document.

Project Submissions #2, #3, and #4 must provide details regarding how the departments in your organization could benefit from implementing the IS-related solutions that you are studying in this course. Some departments to consider are Human Resources, Supply Chain, Information Technology, Maintenance, Marketing, Operations, Reservations, and Sales.

Distinguishing how the IS-related solutions will benefit your company,

- Provide details and examples of applications and solutions offered by retail vendors.
- Describe the framework for each solution that the internal staff of your company might develop and implement.
- Present an account of the strengths, weaknesses, and cost considerations for those solutions.
- Finally, identify and describe how a solution can provide a competitive advantage, influence strategy, affect organizational performance, and increase operational efficiency.

The following are the submission requirements for this assignment:

- Submit researched scholarly data for the fifth of the IS-related solutions that you selected.
- Submit a minimum of TWO full pages of double-spaced text in the Body of the Text section for the fifth of the IS-related solutions that you selected. The total number of pages in the body of the text section is TEN full pages. The Title and Reference List pages are not considered part of the "TEN full pages" in the body of the text section.
- A minimum of FIVE primary reference sources OUTSIDE of the course textbook is required to be cited and referenced in the document submission (ONE per topic).
- As you do your research and compose data for each of the IS-related solutions in each assignment, keep up the References List page and make notes for the data in the Conclusion page section that you will compose of in this final draft document.

Be sure to proofread the final draft of your paper thoroughly.

Save your assignment using a naming convention that includes your first and last name and the activity number (or description). Do not add punctuation or special characters.

Your 8.3 assignment submission is due by the posted due date. Your instructor will use the 8.3 Research Project: Submission 4 Rubric for evaluating and grading your submission.

## RESOURCES

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### HUNT LIBRARY

The [Hunt Library](#) is an excellent source of scholarly articles, and the library provides online support on their [Ask a Librarian](#) web page. You may use any reliable Internet resource. Also, there is a list of reference sources at the conclusion of each chapter in your textbook.

### TURNITIN

Your instructor will use [Turnitin](#) to screen your papers for citation and plagiarism issues. Turnitin is a service that checks your work for improper citation or potential plagiarism by comparing it against a database of web pages, student papers, and articles from academic books and publications.

### WARNING

You cannot use Wikipedia as a primary research source, but you may be able to use the references at the end of Wikipedia articles as they sometimes contain scholarly articles. Course Hero is another source that is off-limits as a primary source. Unless you are a subject matter expert on the topic, based on your degrees, certifications or "on the job training," do not submit data obtained only from personal experience.

### APA STYLE REQUIREMENTS

For this Research Project paper, remember to utilize only primary reference sources outside of the course textbook. For information regarding primary reference sources, select Academic Resources in the course (Start Here section). Reviewing this data will greatly assist you in locating outside primary reference sources and utilizing APA Style formatting and composition throughout the project.

Also, be sure to use the Course Specific APA Style Instructions and Guidance page for the APA style requirements in this assignment.

The basic writing style for your research project should follow the recommendations of the current APA Manual, Section 8.03. The text throughout the document should be

- Double-spaced lines
- Typeface 12-point size
- Times New Roman font
- 1-inch margins

Be sure to use current APA style for in-text citations and references. You are required to cite and reference any data that you have "borrowed" from a reference source. This requirement pertains to both direct quotes and data that you may have paraphrased. Use the Academic Resources and Course Specific APA Style Instructions and Guidance pages in our course for specific tips on how to correctly format citations and reference data in APA style.

## WRITING MECHANICS

Your composition needs to be grammatically sound and free of spelling errors. Using terminology from the reference sources will enhance your grade. Use a "grammar/spell-check" tool to proofread your document before submission. Remember that "grammar/spell-check" tools do not always provide the proper data, so carefully check the suggested modifications.