

Fluency in Computer Technology

LAP 14 – Information Systems Development



Name _____

Period _____

Date Started _____

Date Completed _____

DoDEA Standards

- ◆ PT1g Identify capabilities and limitations of contemporary and emerging technology resources and access the potential of these systems and services to address personal, life-long learning, and workplace needs.
- ◆ PT1m Understand the selection and acquisition of information systems

Objectives

- ◆ Explain the phases in the system development life cycle.
- ◆ Identify the guidelines for system development.
- ◆ Recognize the responsibilities of various IT professionals.
- ◆ Discuss the importance of project management, feasibility assessment, data and information gathering techniques, and documentation.
- ◆ Describe how structured tools such as entity-relationship diagrams and data flow diagrams are used in analysis and design.
- ◆ Differentiate between packaged software and custom software.
- ◆ Identify program development as part of the system development life cycle.
- ◆ Discuss techniques used to convert to a new system.
- ◆ Understand how IT professional support an information system.

Resource Discovering Computers 2002

Chapter 14: Information Systems Development

Time Frame 5 hours (suggested)

Introduction

This chapter discusses the phases in the system development life cycle. The guidelines for system development are also presented. The chapter addresses activities that occur the entire SDLC such as project management, feasibility assessment, data and information gathering, and documentation.

Assignments

Where appropriate and possible, written answers must be in complete sentences and keyed. Turn in completed activities as directed by instructor.

_____ Read *Discovering Computers* (textbook) pages 14.1 – 14.35.

_____ E-Revolution, page 14 35 “E-Research Applied”. Complete either number 1 or number 2.

_____ Learn It Online, page 14.39. Complete numbers: 1 “Web Guide”, 2 “Scavenger Hunt”, 3 “Who Wants To Be A Computer Genius?”, 5 “Career Corner” and 6 “Search Sleuth”.

_____ Checkpoint, pages 14.40 – 14.41. Complete: “Label The Figure”, “Matching”, “Multiple Choice”, and “Short Answer”.

_____ In The Lab, page 14.42. Complete numbers: 1 “Traffic Sign Tutorial”, 2 “Dr. Watson”, 3 “Creating A Drawing” and 4 “Capturing Screen Images”.

_____ Web Work, page 14.43. Complete numbers: 1 “BizTech & Productivity” and 5 “In The News” (respond to all the questions).

_____ Complete the Self Assessment below.

_____ Take Chapter 14 Test.

Self Assessment - "I/I can . . . "

- _____ explain the phases in the system development life cycle.
- _____ identify the guidelines for system development.
- _____ recognize the responsibilities of various IT professionals.
- _____ discuss the importance of project management, feasibility assessment, data and information gathering techniques, and documentation.
- _____ describe how structured tools such as entity-relationship diagrams and data flow diagrams are used in analysis and design.
- _____ differentiate between packaged software and custom software.
- _____ identify program development as part of the system development life cycle.
- _____ discuss techniques used to convert to a new system.
- _____ understand how IT professional support an information system.