

System Development Life Cycle

Objectives

- List and describe the different stages of the system-development life cycle
- Identify the role of data modeling in the system-development life cycle
- Relate the project tasks to the different stages of the system-development life cycle

Vocabulary

Directions: Identify the vocabulary word for each definition below.

1. _____ To enter data into a table.
2. _____ The process of developing information systems through a multi-step process.
3. _____ The type of testing where monitored users determine whether a system meets all their requirements, and will support the business for which it was designed.
4. _____ The simultaneous execution of 2 different operations.

Try It / Solve It

Work with your groups to answer the following questions as they apply to your project:

1. Which parts of the system-development life cycle have you been through so far? What tasks took you the most time to do? (Getting business requirements, creating the data model, validating the model, documenting business rules, or others.)
2. Once you are done with the analysis stage, what are the next two stages? What will you do in these stages?
3. How much time does it take to fix an error in the data model compared to fixing the error when the tables have already been built? What about when the tables have already been populated? Try to imagine how long it would take to fix an error if the application (reports, web pages, etc.) have already been built. What does this tell you about the importance of the early stages of the system-development life cycle?