Joylan E. Panungcat

BSIT 4A

IT 411-System Integration and Architecture

Discuss the following scenario and answer the question.
Joe's Electronics Company needs a new program to better manage their inventory. They need a report each day that shows what products were sold during the day and the quantity available at that time. Using the System Development Life Cycle, show how the project should be developed.

PHASE	ACTION
PLANNING	• In planning phase, Joe's Electronics Company should evaluate the terms of the project, this may include creating timetable with a target goals also trying to get the feedbacks from the potential customer through conducting environmental scanning.
DEFINING REQUIREMENTS	• In this phase, the Joe's Electronics Company should define the resources needed to better manage their inventory. For example, finding a new feature that can easily retrieve data or a search feature.
DESIGN & PROTOTYPING	• The design phase models the way a software application will work. The developer or the programmer of the Joe's Electronics Company will create overall design or templates of the inventory system. Also creating a User Interface (UI) defines how the potential user will interact with the inventory system.
SOFTWARE DEVELOPMENT	• This phase is the actual writing of the program. The senior programmer will assign specific task for every developer. Use access control, finding and fixing errors.
TESTING	• The software tester of the company will test the application before making it available to users. In testing the software helps to reduce the number of bugs that

	users encounter. This leads to a higher user satisfaction and a better usage rate.
DEPLOYMENT	• In the deployment phase, the application is made available to users.
OPERATIONS & MAINTENANCE	• In this phase, users discover bugs that weren't found during testing. These errors need to be resolved or fix the errors and maintaining the system quality.

Question:

After reviewing your System Development Life Cycle, the customer decides that they need some changes. How would these changes affect the SDLC?

If the customer decides that they need some changes, these changes affect the SDLC by following again the steps or process in developing the system. For each new release or changes, a new development cycle can be launched.