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BSSE 4B MORNING

ROLL NO # 12302

SOFTWARE DEVELOPMENT AND ARCHITECTURE
TASK NO #01

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QUESTION: What is the link of Design and problem solving and state any technique which is used?

Designing help the developer minimize the error and failure chances as compared to the development without design. Designing helps the implementation and the process of coding. The developer should use the three basic principles i.e

- Systematic
- Disciplined
- Quantifier

Without a proper design there is risk of an unstable system. Then the main disadvantage is that when there is a need of small change then it can fail or it will be costly and time taking.

Design thinking is a process by which designers approach problem solving. It incorporates analytical, synthetic, divergent and convergent thinking to create a wide number of potential solutions and then narrow these down to a "best fit" solution.

In order to effectively manage and run a successful organization, leadership must guide their employees and develop problem-solving techniques

Evaluate and select an alternative:

Skilled problem solvers use a series of considerations when selecting the best alternative. They consider the extent to which:

- A particular alternative will solve the problem without causing other unanticipated problems.
- All the individuals involved will accept the alternative.
- Implementation of the alternative is likely.
- The alternative fits within the organizational constraints.