LOW VOLTAGE COMPONENTS

SITUATION:

You have an interview with Rainbow's End, a large retail chain, you decide to review some IT terms and concepts in order for you to be get ready for the interview.

QUESTIONS:

1. **What are the main differences between structured, O-O, and agile development methods?**

   ANSWER:

   - Agile is iterative that works on a cycle where in you can make as many changes as the Client want and start again. In this method, both client and developer visit the plan constantly whenever there is a change needed. Which is the total opposite of Structured Analysis where first writes the entire specifications then work until it finished. In this method, that you cannot add another feature until the entire development is finished making this not flexible as Agile Analysis. While object-oriented programming differs from traditional procedural programming by examining the objects that are part of a system. Each object is a computer representation of some actual thing or event.

2. **What is a CASE tool and what does it do?**

   ANSWER:

   - Computer Aided Software Engineering is the use of computer-based support in the software development process. It is a software tool to help make software products or systems. These are set of software application programs, which are used to automate SDLC activities.

   - It accelerates the development of project to produce desired result and helps to uncover flaws before moving ahead with next stage in software development. Making the development accurate and a lot faster.

3. What is business process modeling and how is it done?

ANSWER:

- Business process modeling in systems engineering is the activity of representing processes of an enterprise, so that the current process may be analyzed or improved. The business objective is often to increase process speed or reduce cycle time, to increase quality or to reduce costs. It is commonly a diagram representing a sequence of activities

- Identify the process and produce baseline model. Review, analyze and update the process model. Design the model. Test and implement the model. Continuously update and improve the new model.

4. What is prototyping and why is it important?

ANSWER:

- Prototype is a working model of software with some limited functionality. Prototyping is used to allow the users evaluate developer proposals and try them out before implementation. It also helps understand the requirements which are user specific and may not have been considered by the developer during product design.

- Through Prototyping errors can be detected much earlier. Quicker user feedback is available leading to better solutions. As well as Missing functionality can be identified easily and confusing or difficult functions can be identified