

ASDM Assignment1

Q1. Discuss the prototyping model. What is the effect of designing a prototype on the overall cost of the Project?

Ans- is a software development model in which prototype is built, tested, and reworked until an acceptable prototype is achieved. The developed prototype is submitted to the customer for his evaluation Based on the user feedback, requirements are refined. This cycle continues until the user approves the prototype.

Prototyping may have some initial costs of developing, but it reduces the overall budget by helping your product to be free of the errors or glitches.

Q2. Compare iterative enhancement model and evolutionary process model.

Ans-Objective of evolutionary is to work with customers and to evolve a final system from an initial outline specification. Should start with well-understood requirements and add new features as proposed by the customer.

Iterative enhancement model-The Iterative Enhancement Model is an approach to building software in which the overall lifecycle is composed of several iterations in sequence.

Each iteration is a self-contained mini-project composed of activities such as requirements analysis, design, programming, and test.

Q3. As we move outward along with process flow path of the spiral model, what can we say about software that is being developed or maintained?

Ans-As work moves outward on the spiral, the product moves toward a more complete state and the level of abstraction at which work is performed is reduced (i.e., implementation specific work accelerates as we move further from the origin).

Q4. Explain the Scrum Agile methodology.

Ans- Agile scrum methodology is a project management system that relies on incremental development. Each iteration consists of two- to four-week sprints, where the goal of each sprint is to build the most important features first and come out with a potentially deliverable product. More features are built into the product in subsequent sprints and are adjusted based on stakeholder and customer feedback between sprints

Q5. Explain the utility of Kanban CFD reports.

Ans-The cumulative flow diagram (also known as CFD) is one of the most advanced Kanban and Agile analytics charts. It provides a concise visualization of the three most important metrics of the flow:

- Cycle time
- Throughput
- Work in progress