SEPM Assignment

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Q1. What are typical scenarios where RAD Model can be used? Explain them.

Ans. RAD model can be used in different scenarios:-

1. Business Modelling: Business Modelling is used in RAD as it takes information from the system which is gathered through many business related sources.
2. Data Modelling: Data Modelling is used in RAD as all the info gathered is analyzed which is collected during the Business Model. The Quality is checked during this phase of data and resources collected.
3. Process Modelling: Process Modelling is used in RAD after Data Modelling it is used to achieve specific business requirement and also if any changes or improvement is done in this phase.
4. Application Modelling: During this process the whole data is coded using the info gathered in process model. Basically, the prototype is made.
5. Testing and Turnover: During this phase the time is reduced for overall testing of the prototype creating and the prototype is released in public for the feedback of the product.

2. Spiral model is realistic approach for developing large scale systems and software justify.

Ans. The Spiral Model is a combination of both Iterative and Waterfall Model. There are many benefits of using Spiral model as it creates a realistic approach to development of large-scale systems and software. The spiral model encourages quality assurance through the blueprint at each stage in system development. The spiral model may be a realistic approach to the event of large-scale software products because the software evolves as the process progresses. Both the developer and client must better understand and react to risk at each.

Q3. Why is SRS also know as the black box specifications of system?

Ans. SRS is a documentation understanding between the development team and user. After the SRS document is approved by the user, any further details are solved by referring the document. Therefore, SRS document is called as black-box specification because the internal details of the document are not known and only the visible external behaviour is recognized.

Q4. State guidelines for Use case diagrams & draw it for library Management System.

Ans. Use Case Diagram are mainly consists of

1. Actors
2. Use cases
3. Relationship

Here’s a small example of library management system.

Librarian

Student

Change Password

Issue/Return Book

Penalty

Search Book

Add Branch

Add User

Add Book