Ross Taylor

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Questions 2 and 3 in 4.9

Intro to Software Engineering

2. What is the difference between the multiple component incremental model and the multiple release incremental model?

Answer) The multiple component incremental model is a model that develops a product with overlapping manner. The first release of the product will be the finished product. Then any future releases are just add ons or features. This means that during the development after the first release each feature has to be integrated with the first release and then tested as a whole system after being added. The multiple release incremental model is when you have a first release that brings out a base product. Then after the first release every new release will include new features, but will also include bug fixes that fix things with the product that was released as the base product.

3. Discuss the four phases of the RUP and their relationship to the development activities such as requirements analysis, design, and testing.

Answer) Phase 1 – Inception: This is the beginning stage where everyone in the development process brings forth ideas about the future product and different implementation ideas for testing.

Phase 2 – Elaboration: This phase focuses on understanding the problem that must be solved using the product the development team is creating. Also when the team decides the type of architecture they want to use for the product.

Phase 3 – Construction: The phase where the development team takes the ideas and analysis of the first two phases and puts it into actual use. During this phase actual coding gets done and the product is tested chunk by chunk.

Phase 4 – Transition: The final phase before the product is released. The product is given to a testing group who test the product as a whole in as many different scenarios as possible. This untested product is often called the beta or alpha releases and then after the testing is done and the final product is ready the product is ready to be shipped.