

# Week 2 Submission - answer to a given question

**Due** Wednesday by 17:00      **Points** 0.5      **Submitting** a text entry box  
**Available** 3 Jan at 0:00 - 10 Jan at 23:59

Question:

*Based on Week 1 lecture material and readings & in your own words, characterize the difference between verification and validation and discuss where in the software development lifecycle (SDLC) verification and validation activities should be conducted, respectively.*


Please provide your answer in the text box below.

**Note that this needs to be done before 17.00pm on Wednesday 8/3/2023.**

Text entry

Copy and paste or type your submission right here.

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**Verification** and **validation** are two important processes in the software development lifecycle which ensure the quality and the correctness of a product.

**Verification** involves all the activities that check whether the product conforms to the specified requirements and design or not. Examples of verification activities are reviews, inspections, testing during the design and coding phases to ensure that the product or software is being developed based on the specified requirements and design. For example, the system functions can be used by a 2-hour training staff with the error making rate low.

While **validation** assesses whether the product or software meets the expectations and need of the stakeholders (manager, user, customer, developer) or not. Validation activities often were carried out during the testing phase, which to test the complete system against the stakeholder's expectations and intended purpose. At this stage, all the stakeholders are allowed to interact with the product or software in order to verify that it aligns with their needs. For example, the system is user-friendly and minimizes the errors.

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172 words

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