CS-320-T2824 Software Test Automation & QA

1-3 Journal: The Role of Testing in the SDLC

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* **What occurs during the testing stage of the SDLC?**What occurs during the testing stage depends on the model used in the SDLC. The quality of code is tested to build confidence of a component, finding defects in a component, prevention of defects making it to the next stage in the SDLC.

In Agile, test cases which are specific scenarios that present a problem with software. The tester then works through the use cases to resolve the defects in the software.

* **Why is the testing stage vital to a successful SDLC?**The testing stage is vital to the SDLC because it verifies the software functions as it is intended to which build confidence in the customer. Testing can reduce the amount of time it takes to deliver software because testing the software earlier on will allow for a smoother development phase down the road. Testing can also reduce the cost of developing software.
* **Are there any exceptions in which the testing stage would occur earlier or later than it typically does in the SDLC? Explain.**One exception that would alter when testing occurs would be alpha or beta testing. There may be multiple beta tests throughout the development cycle and there is no set time in which these tests occur or for how long they last.

Another exception would be maintenance testing, since maintenance testing follows the changes or updates made to a system after deployment there is no set time in which it will occur.