Software Development Life Cycle

The software development life cycle is the process in which specific individuals or mostly Software Engineers have to follow a specific guideline to complete a task or given project. They have to plan, execute, design software's and test them across not only software platforms but hardware as well. This structure has different flows which is mostly intended to help companies produce the end product which would be the "software". One of the Software development life cycles that we see being used is a structure called the waterfall model. The structural flow gets its name waterfall because of how the cycle flows like a waterfall from top to bottom or in a descending order. The Waterfall model or structure has 5 stages to this flow. Another example of the Software Development Life cycle is the Incremental Development model life cycle. Both of these Software Development Cycles have similar phases. These phases are the Requirements gathering phase, Design and specification phase, Code and modulating phase, Integrated/Testing phase and the Delivery and Maintenance phase. These are the key and main areas of the Software Development Life Cycle. The requirements gathering phase basically focuses on what is needed to kickstart the software such as the specifics and what task or project that needs to be solved. The Design and specification phase basically focuses on what the software will do and how will it be able to do it based off the requirements stated in the previous phase. The code and modulating phase focus on combining the requirements gathered and the designs phase into different modules and coding them. The testing phase is where we see if there are any bugs or errors with the software before it is released for the end users. The maintenance phase is to make sure the software Is awlays in perfect conditions for the end users.