SDLC also known as systems development lifecycle is used to describe a process of planning, creating, testing and deploying and information system i.e. for e.g. a website or an app. There are 8 phases in SDLC. Initiation, System concept and development, planning, requirements and analysis, design, development, integration and test, implementation, operations and maintenance and finally disposition. There a lot of models that use SDLC, not all the phases are used but they are used in different methods which will provide the developers a method in implementing this life cycle so that they can have a proper development process to create a better product.

Out of all the models, the most popular models are :

1) The Waterfall Model ­­­­­­– This model has 5 steps. Requirements, design, implementation, verification, maintenance. This model is a sequential model which works only after the last point checked that the process can be repeated. Everything required for the project is done from the start.

2) The Spiral Model – To minimize project risk, the project is broken in to smaller segments providing more ease-of-change. This allows multiple prototype builds so that new features can be added and if they want the system can be optimized.

3) Chaos Model – This model works by working on the project and if any issue comes up first, it has to be solved first before continuing,