**SDLC**

What is software development lifecycle?

SDLC is a process used by the software industry to design, develop and test high quality software.

Their purpose is to produce high-quality software that meets or exceeds customer expectations, reaches completion within times and cost estimates.

The general stages involved are:

* Planning – Gets opinions from seniors and customers as well as many other domain experts and using this information they plan the basic project approach and conduct study in economical, operational and technical areas. They look at risks associated with the project and create a requirement analysis.
* Defining – Once a requirement analysis is done they would clearly define and document their requirements and have them approved by the market analyst.
* Designing – They make multiple designs for the program. These designs are reviewed by all stakeholders and based on parameters such as risk assessment, robustness, modularity, budget and time constraints, the best design is selected.
* Building – The
* Testing
* Deployment