

Day 2 - What is Software Development Lifecycle(SDLC) ?

its a process used by software industry, whether it's a process or culture or its a set of standard thats followed in software industry to :

- Design,
- Develop,
- Test.

>>To deliver high quality product to client

>> Agile Methodology is used here, short sprints are performed here

Example : were working at Example.com

We are building and delivering e-commerce application, before delivering to the customer we have several phases. were adding kids catalog to the existing e-commerce site

loop I---> Planning ---> Definning ---> Designing ---> Building ---> Testing ---> Deploy --->I loop

- **Planning** ---> Requirements Phase
- **Definning** ---> Documents(software requirements documentation based on the planing data)
- **Designing** ---> high level(HLD) & low level(LLD) Design

• HLD are required for high auto scalable sites

• LLD are required SQL connected to PY or Java / very low level design no autoscaling.

DevOps role comes to picture here, we we can automate these Building, Testing & Deploying processes. DevOps Engineers fasten this processes.

• **Building** ---> Developing the Application(by reading the jira items or documents, we'll write rthe code, then push to common rep (git), after PR reviews theyll push it to GIT)

• **Testing** ---> the GIT code is deployed in a virtual / staging server.the Quality Assurance Enginners(QE's) tests the application, make sure that the app works properly in all systems.

• **Deploying** ---> promoting this application to the production. the client receives the application in the server.

>> Everything is Automated here

.....