**Can you explain the Software Development Life Cycle?**

SDLC stands for Software development life cycle.

There are 7 steps in STLC.

**First step is idea step.**

Customer have an idea of building application and look for a Product owner.

**Second step is Requirement gathering step.**

Business team - Product Owner (PO), Project manager (PM), Business Analysis (BA) gather requirements.

When they organize the requirements they write documents especially write SRS document

**Third step is design step.**

Designers design that how the application will be create.

they design frontend/backend

meanwhile they identify input/data to the app

client is also in this step

they write SDS doc based on SRS

All the documents are reviewed by business team and stakeholders

**Fourth step is coding step**

Developers care the requirements in SRS and SDS and write the application

**Fifth Step is testing step**

This is our step. In this step, manual testers, automation testers and performance testers do some tests.

We test the application to find bug as much as possible.

After all testings are done by different testing team, Client needs to approve the software.

**Sixth Step is deploying step**

We release the product.

**Maintaining step is the last step.**

end users might reports hidden bugs

bug reports will handled by the team who involved on developing the app.

business team check the bug reports and updated requirement

developers fix the bugs, testers/QA test again

if customer have new idea STLC steps is repeating again.