

SDLC : Software Development Life Cycle..

→ is a step by step process

★ Phases of SDLC used to develop high quality software in a ^{ways} structured & efficient

- 1.] Requirements
- 2.] Analysis
- 3.] Design
- 4.] Implementation
- 5.] Testing
- 6.] Maintenance

1.] Requirement Phase :

- collect and define
- Focuses on the needs of the users.

Ex: • User wants a login system.
• Customer wants an online shopping Cart.
• Online Registration

2] Analysis Phase:

- Analysis Phase defines the problem that customer is trying to solve.

Ex: Decides whether login should use password, OTP or fingerprint.

3] Design Phase:

- Design which includes...
 - fonts
 - style
 - theme
 - etc.

4] Implementation [Coding]:

- Actual coding based on the design.

Ex: • Code for User Registration
• Code for adding and removing products from cart.

5.] Testing Phase:

- Verifying and validating that the system work as we want.

ex: Testing login with correct and incorrect passwords.

6.] Maintenance Phase:

- Fixes problems, Update features
- Checks the system fulfills the user needs.

ex: Add wishlist option beside the shopping cart.

