Assignment 1 :

SDLC Overview - Create a one-page infographic that outlines the SDLC phases (Requirements, Design, Implementation, Testing, Deployment), highlighting the importance of each phase and how they interconnect.

SDLC Phases:

1 Planning :

Gathering client's requirements

Defining project scope

Set objectives & goals

Resource planning

2 Requirement analysis :

Analyzing functional requirements

Analyzing technical requirements

Checking for feasibility

3 Designing :

Creating overview of software before actual development initiates

High level designing:

Low level designing: design each and every feature in details

4 Coding :

Actual developments starts here

Coding is done by developers

Review the code developed as per requirement

5 Testing :

Tests whether the developed product meets the client requirement or not

Improves the overall quality of the software

System testing, manual testing and automated testing happens here

6 Deployment :

Code is released in real world environment

End user do the testing in real world environment

7 Maintenance :

After services provided to the customer after deployment as per service agreement

Patch update, log file capture, version updates are done in maintenance phase

Makes software more reliable, stable and up to date as per user feedback