

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