**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