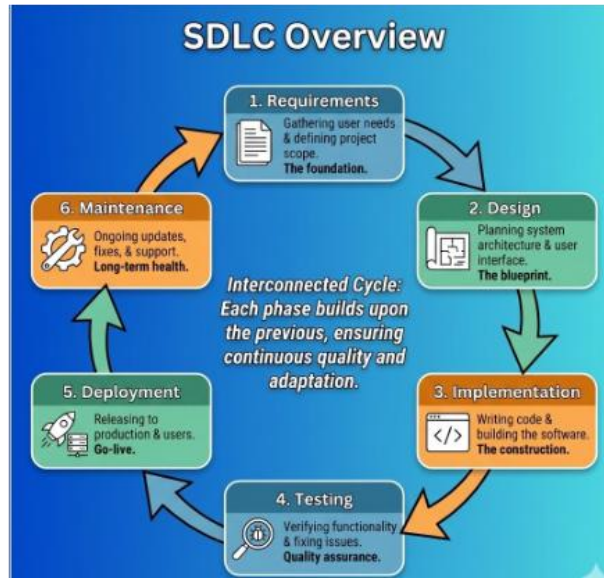# Assignment 1

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

Importance of Each Phase:

1. **Requirements** : Gathering user needs & defining project scope.The foundation.
2. **Design** : Planning system architecture & user interface.The blueprint.
3. **Implementation** : Writing code & building the software.The construction.
4. **Testing :** Verifying functionality & fixing issues.Quality assurance.
5. **Deployment :**Releasing to production & users. Go-live.
6. **Maintenance :**Ongoing updates, fixes, & support. Long-term health.

How They Interconnect:

The phases form an Interconnected Cycle, where each phase builds upon the previous, ensuring continuous quality and adaptation.