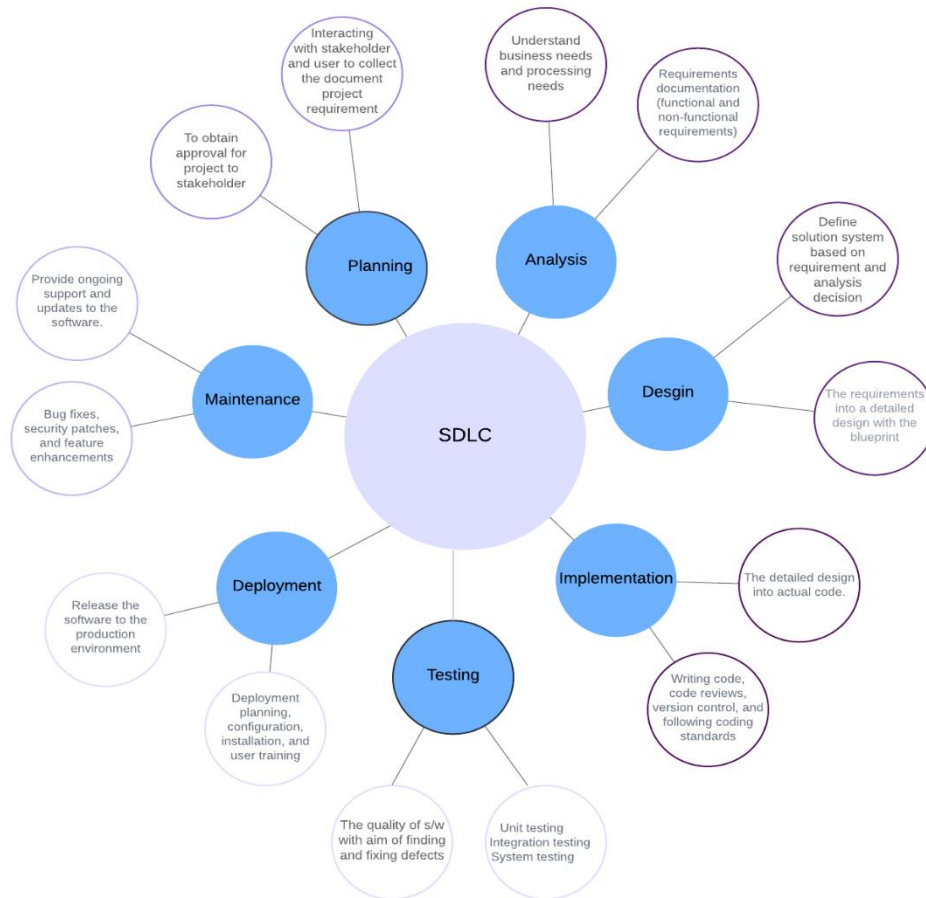


Assignment-1

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 stands for software development life cycle. It have 7 phases:

- 1.Planning
- 2.Analysis
- 3.Desgin
- 4.Implemenatation

5. Testing

6. Deployment

7. Maintenance

- **Planning:**

- Define the project's scope, objectives, and feasibility.
- Requirement gathering, feasibility analysis, resource allocation, and project scheduling.

- **Analysis:**

- Understand and document what the software needs to achieve.
- Detailed requirement analysis, documentation, and obtaining stakeholder approval.

- **Design:**

- Architect the system to meet the specified requirements.
- System design, including hardware and system requirements, detailed design of components, user interfaces, and data structures.

- **Implementation :**

- Translate design specifications into a functional software application.
- Writing code, developing software components, and integrating them.

- **Testing:**

- Ensure the software is bug-free and meets the requirements.
- Unit testing, integration testing, system testing, and acceptance testing.

- **Deployment:**

- Make the software available for use.
- Installation, configuration, and deployment in the production environment.

- **Maintenance:**

- Provide ongoing support and enhancement.
- Bug fixing, updates, upgrades, and adding new features as needed.