Assignment 1

2. What is the meaning of the word "pyramid" in the context of software development?

3. What is the purpose of a software development life cycle (SDLC)?

4. Explain the difference between software engineering and software development.

5. What is the role of testing in the software development process?

6. How does debugging differ from testing in software development?

7. What is the importance of user-centered design in software development?

8. What are the key steps involved in the process of software development?

9. How does agile development differ from traditional software development methods?

10. What are the benefits of using cloud computing in software development?

11. What are the challenges associated with software maintenance and support?

12. How does software architecture influence the design and development of software systems?

13. What is the role of project management in the software development process?

14. How does team collaboration impact the success of a software development project?

15. What is the importance of continuous integration and delivery (CI/CD) in software development?

16. How does version control help in managing changes in software development projects?

17. What are the key benefits of using automated testing in software development?

18. How does parallel processing improve the performance of software applications?

19. What is the impact of software scalability on the success of a software product?

20. How does software security affect the design and implementation of software systems?