CMSC435 Software Engineering
Quiz 12
Name:
What are the attributes of software architecture? Mention different architectural models. What are advantages and disadvantages of Client-Server architecture?

Some of the architectural attributes are Performance, Security, Safety, Availability, Testability, Usability and Maintainability.


Advantages of Client-Server architecture are
• Distribution of data is straightforward
• Makes effective use of networked systems. May require cheaper hardware
• Easy to add new servers or upgrade existing servers

Disadvantages are
• No shared data model so sub-systems use different data organization
• Data interchange may be inefficient
• Redundant management in each server
• No central register of names and services - it may be difficult to find out