

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.

Architectural models Repository model, Abstract Machine model, Interface model, Relationships model, Dynamic process model, Static structural model.

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