

SOFTWARE ENGINEERING

Class Work

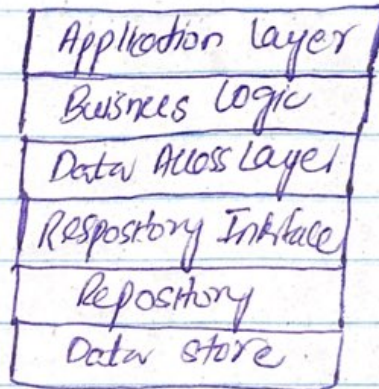
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Repository Architecture

A type of design pattern that provides standard and ~~architectural~~ structure way to manage data storage and access in an application. A central data store is used to store all application data and manipulation operations are performed through central repository.



ADVANTAGES :

- ① Centralized data management
- ② Separation of logic
- ③ Easy Testing
- ④ Flexible

DISADVANTAGES:

- ① Increased Complexity
- ② Overhead
- ③ Limited Functionality

APPLICATIONS:

Architecture is used where centralized and structured data management is required. Useful for applications requires complex data models, and requires high level security.

Some examples are:

Banking System, E-commerce applications etc.