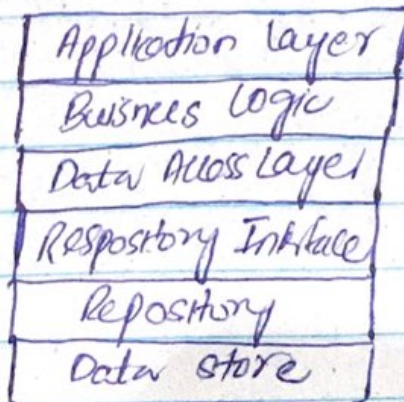BASIL ALI KHAN

20K - 0477

Repository Architecture

A type of design pattern that provides standard and architecture 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 perform through central repository.

Application layer
Buisness Logic
Data Access Layer
Respository Interface
Repository
Data store

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.