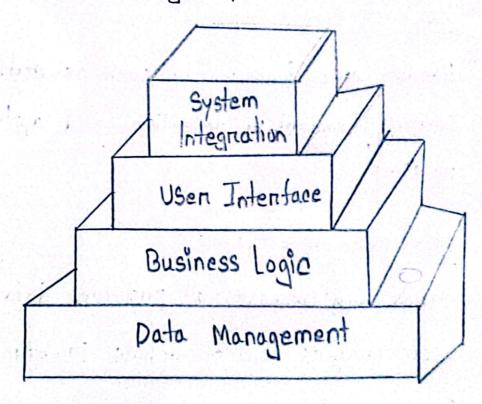
Layened anchitecture model of an Online Judge System:

Online Judge System Anchitecture



System Integnation Layer:

Ensures Smooth communication and data exchange between internal components and external Systems. Such as, authentication Services on APIs.

Usen Intentace Layer

Provides platform ton the users to interact with the System, including Submitting code, viewing results and managing profiles.

Business Logic Layer

Handles come functionality such as code execution, sconing plagianism detection, and applying contest nules.

Data Management Layer

Stones and manages all prisistent data, including user profiles, contest details, problem sets, and Sum submission results.

These layers work together to provide a Scalable, efficient and Organized Online Judge System.