N- Tier Architecture

Steven Bucksbaum February 6, 2011

Advantages: Easier to maintain

Disadvantages: Development takes a little bit longer

User Interface Layer

User Interface Layer - Access from outside the system.

Business Process Layer

Business Process Layer Holds classes that act on the data coming the the data providers. The process of applying the business logic.

Common Access Layer:
Holds:
1.   Data Entities
2.   Enums
3.   Interfaces
4.   Static methods

Common Access Layer

Data Access Layer

Data Connection Layer

Data Access Layer - Holds classes that retrieve the data coming the the data providers. No SQL in this layer.

Data Provider -
Any container of data including:
1.   Databases
2.   Web Services
3.   Flat Files
4.   Others

Data Provider

Databases –
provide another layer of abstraction when SQL is placed in stored procedures. No business logic in stored procedures.