Three-Tire Architectrure

Three-Tire Architectrure are also known as the three tier model or three tier Application architecture model. It is a papulor design pattern in web enginerring and SoftwareDevelopment. It divides a web application into three interconnected layers. Each layer is responsible for Specific Functions and aspects of the application. This Architecture is used to enhance scalability Maintainability and flexibility in web applications

1) Presentation Tier
2) Application Tier
3) Data Tier
1) Presentation Tier(Client Tier)

The Presentaion tier is topmost layer and responsible for the user

Interface and user experience of the application. It interacts directly with enduser and handles user Input execution web pages and presenting data to user. Common technologies uses in this tier includes HTML, CSS, Java Script and various UI Frameworks and Libararies. The Primary goal of this layer is to

Provide a natural and user friendly interface for user to interacts with the Application.

2) Application Tier:- (Middle Tier)

The Application Tier is also known as Middle Tier OR Buisness logic Layer where most of the applications processing and logic upper. It Manages the Applications Functionality, Buisness rules and data processing without being connected with the presentation or data Storage details. Common components in this layer includes application servers, web servers. The MiddleTier Communicates with both the presentation tier and the data tier to process users request reteirve And manipulates data and returns results.

3) Data Tier:- (Backend Tier)

The Data Tier is responsible for managing and storing the applications data. It Serves as the backend of the applications. It can consist of one or more data bases, data storage system Where information is Stored and retrieved. The Layer is Responsible for data Storage retrieval and Management to ensure data consistency, security and integrity. Common Data Bases Technologies used In this tier includes SQL DATA BASE and NO-SQL DATA BASE.