[Presentation Layer] [Business Layer] [Database Layer]

[ UI Layer] [Application User Interface] [ Database]

**Front End testing:** Is a type of testing that checks the **presentation layer**. [ GUI anything visible on screen, client side].

Front end testing involves checking functionalities like form graphs, nenus, reports etc. as well as associated JavaScript.

A tester needs a good understanding of business requirements to perform this type of testing.

Unit Tests, Acceptance Testing, Accessibility Testing, Regression Testing, etc.

**Back End Testing:** is a type of testing that checks the **Application** and **Database layer**.

In complex s/w application like ERP, back end testing would entail checking the business logic in the application layer. For simple applications, the back end testing checks the server-side or database. It means the data entered in the front end will be checked in the back end database.

Databases are checked for ACID properties, CRUD operations, Schema, Business rule conformance.

Databases is also checked for Security and Performance.

Three widely used types of database testing are SQL Testing, API Testing, etc.