**Q. What kind of applications you have tested?**

**TYPES OF APPLICATIONS:**

Applications

Web application Desktop mobile application

3 -Tier N-Tier 1-Tier 2-Tier Native application Hybrid/Web application

There are three types of applications which can be tested;

1. Web Applications
2. Desktop Applications
3. Mobile Applications
4. **WEB APPLICATIONS:**

These applications are accessed with the help of some browsers.

It is of two types

1. 3-Tier architecture applications.
2. N-Tier architecture applications.

**Environment/System**:

All the applications are combination of the environment.

Environment contains:

1. Presentation layer.

2. Business layer.

3. Database layer.

**1**. **Presentation layer:**

The Front end which the end user is going to access is known as presentation layer/client.

**2. Business layer:**

It is the server which is responsible to serve the request. It means it will take the request from the application, send it to the database, takes the response from the data base and send it back to the application. The whole process is known as serving the request.

**3. Database layer:**

Database layer is responsible to store the data in the form of tables.

Ex: MS SQL, My SQL, ORACLE

1. **3-Tier architecture applications:**

In 3-tier architecture applications the above 3 Layers are available in three different machines (Layers) which we will call it as tiers. Hence they are called as 3 Tier architecture applications.

1. **N**-**Tier architecture applications:**

It is same as like 3-tier architecture applications based on the number of users. We will have more number of servers and databases.

Based on the load request the business logic will be distributed among the servers and DB’s. Hence we will call it as N-tier architecture environment.

BL

DBL

1. **DESKTOP APPLICATIONS:**

These applications can be accessed without any browser.

Ex: Skype, calculator, MS Office etc.

It is of two types:

* 1-Tier
* 2-Tier
* **1-Tier:**

These applications are limited to a specific system (PC). All the 3 layers PL, BL and DBL will be available in that specific system only.

* **2-Tier:**

The presentation layer will be available in one system the business layer and Data base layer will be available in another system with the help of LAN/WAN. We are able to access these applications from multiple systems. Hence we will call it as 2- Tier applications it is also known as client- server architecture applications.

**MOBILE APPLICATIONS:**

The applications which can be accessed on the mobile platform are known as Mobile Applications.

Ex: Android, IOS, Blackberry, Windows etc.

They are of three types

a. Native Applications

b. Web Applications

c. Hybrid Applications

1. **Native Applications:**

These applications can be accessed without any browser.

Ex: what app, Viber, Tango etc.

1. **Web Applications**:

These applications can be accessed with the help of the browser in the mobile.

Ex: google.com, Facebook etc.

1. **Hybrid Applications**:

These Applications can be accessed both without browser and with browsers.

Ex: Gmail/Gmail app, Facebook/Facebook app, Banking Websites/App etc.

NOTE: For Web Applications not necessary to install application at user/client side as we are able to access with the help of browser. To perform testing for web applications we need to perform it only in client.