**Abdul Saboor (20L-1113 | BDS-4A)**

**Performance Testing** is used to test the stability and response of an application by applying various amounts of load on it.

**Usability Testing** is basically checking the look, feel and user-friendliness of an application from a user’s perspective.

**Load Testing** is checking how an application performs when maximum number of concurrent requests is reached.

**Volume Testing** is basically testing the capacity of database by transferring large amounts of data to application.

**Stress Testing** is checking the behavior of application by applying a load more than it is designed to handle.

**Security Testing** is checking of how an application deals with internal and external threats, along with that we also check how secure and strong the authentication process is.

**Scalability Testing** is checking how application’s response changes when load is increased and what is the point at which application becomes unresponsive.

**Sanity Testing** is done on stable builds to check how new features or bug fixes are performing in application.

**Smoke Testing** is done to check how the basic and critical functions of application perform at very high levels of load.

**Regression Testing** is testing of the effect of bug fixes and improvements on the unchanged parts of application.

**Compatibility Testing** is used to check how software behaves in different computing environments.

**Installation Testing** is used to check whether software system is installed properly and performing as per expectations.

**Ad-Hoc Testing** is the informal way of testing and is used to find errors in software. This can be performed by any one on need basis.

**Komal Akhlaq (20L-1278 | BDS-4A)**

Performance Testing is utilized to test the steadiness and reaction of an application by applying different sums of stack on it.

Usability Testing is fundamentally checking the see, feel and user-friendliness of an application from a user’s perspective.

Load Testing is checking how an application performs when most extreme number of concurrent demands is reached.

Volume Testing is fundamentally testing the capacity of database by exchanging large sums of information to application.

Stress Testing is checking the behavior of application by applying a stack more than it is outlined to handle.

Security Testing is checking of how an application deals with inside and outside threats, in conjunction with that we too check how secure and solid the verification prepare is.

Scalability Testing is checking how application’s reaction changes when stack is expanded and what is the point at which application gets to be unresponsive.

Sanity Testing is done on steady builds to check how unused highlights or bug fixes are performing in application.

Smoke Testing is done to check how the essential and basic capacities of application perform at exceptionally tall levels of load.

Regression Testing is testing of the impact of bug fixes and advancements on the unaltered parts of application.

Compatibility Testing is utilized to check how program carries out on completely different computing environments.

Installation Testing is utilized to check whether software package is installed appropriately and performing as per expectations.

Ad-Hoc Testing is the casual way of testing and is utilized to discover mistakes in program. This may be performed by any one on require basis.