Software Testing Assignment

Module 3 – Testing on live application

1. What is **R**elational **D**atabase **M**anagement **System (RDBMS)**

RDBMS stands for Relational Database Management System.

RDBMS is the basis for SQL, and for all modern database systems like MS SQL Server, IBM DB2, Oracle, MySQL, and Microsoft Access.

Database,

Table,

Record contains 1 or more tables

Tables are related (joined) based on common fields

EX….

Customers……………Oders………………products are conneced

2 What is SQL

SQL is Structured Query Language,

which is a computer language for storing, manipulating and retrieving data stored in relational database.

SQL is the standard language for Relation Database System.

All relational database management systems like MySQL, MS Access, Oracle, Sybase, Informix, postgres and SQL Server use SQL as standard database l

3 Write SQL Commands

DDL – Data Definition Language

DML – Data Manipulation Language

DCL – Data Control Language

DQL – Data Query Language

4 What is join

A join is in SQL a combines columns from one or more tables into a new table. Informally, a join machis two tables and puts on the same row records with matching fields.

5 Write types of join ?

Types

Inner join,

Left join,

Right join,

Full join

6 How many constraint and describes it self

8 What is API testing

Application Programming Interface (API) is a software interface that allows two applications to interact with each other without any user intervention.

The purpose of API Testing is to check the functionality, reliability, performance & security of the programming interfaces.

In API Testing, instead of using standard user inputs(keyboard) and outputs, you use software to send calls to the API, get output, and note down the system response.

9 types of API testing

Open API,

Partner API,

Internal API

10 What is Responsive testing?

A responsive web design involves creating a flexible web page that is accessible from any device, starting from a mobile phone to a tablet.

Furthermore, a responsive web design improves users’ browsing experience.

Considering this from a quality assurance perspective, a responsive web design requires thorough evaluation using a variety of devices before it is ready to go live.

11 which types of tools are available for responsive testing

Tools

I am responsive

LT Browser,

Lembda Testing,

Google Resizer,

Pixel tuner

12 what is full form of ipa and apk

Ipa - iOS APP Store Package

Apk - Android Application Package file

13 how to create Steps to mode on developer option on Android phone

Step

Go to "Settings"

Tap "About device" or "About phone"

Tap “Software information”

Tap “Build number” seven times.

After set pin number

7 Difference between DBMS & RDBMS.

|  |  |
| --- | --- |
| DBMS | RDBMS |
| DBMS stores data as file. No relationship between data | RDBMS stores data in tabular form. Stored data are related to each other |
| Data elements need to access individually | Multiple data elements can be accessed at the same time. |
| It deals with small quantity of data | It deals with large amount of data |
| Security is less & It supports single user | More security measures provided & It supports multiple users |
| Data fetching is slower for the large amount of data | Data fetching is fast because of relational approach. |