**QA EXPERIENCE INTERVIEW QUESTIONS**

**PROJECT**

* **Tell me about yourself?**

**Answer:**

**I am glad to introduce to myself, I am Ankur, and currently I am working as a QA Engineer at Mitel for over more than two years.**

**I have been working on a project called CRM, which stands for Customer Relationship Management. It is a tool that helps businesses make customers happy, and run things smoothly.**

**In my job, I was involved in test plans and test cases. I also Attending various types of meeting like daily standup meeting, sprint meeting, spring review meeting, sprint retrospect meeting.**

**I am also into automation, where I use tools like Selenium and Java to write scripts that automatically test our web-based applications.**

**Beyond that, I take on a leadership role by Doing KT to the new joiners.**

**Before that** I graduated from PSIT Kanpur with an aggregate of 70.8%. Prior to that, I completed my Intermediate education at Narayana Junior College in Hyderabad, achieving an aggregate of 94.7%. And I have done my foundational education (class 10th) from Kendriya Vidyalaya in Vadodara, Gujarat, with an aggregate of 9.2 CGPA.

Apart from my academic achievements, I actively engaged in community service and social initiatives during my college years. I was an active member of UTTHAN and Rotaract. These are the NGOs where we used to teach unprivileged children and we contribute in an old age home also. And In sports I played reginal level cricket.

My father is in Indian Air Force and my mother is a house maker and I have one sibling.

**This is all about myself.**

* **Tell me about your project?**

**My project name is CRM PLUS and the client is TRENT, TRENT is an Indian retail company, which is part of Tata Group. Started in 1998.**

**Since the client is facing an issue on managing his customers and their data where he can track the status of each individual customer so client approached us and explained his requirement and we agreed to build a CRM application.**

**In our application there are around 10-12 modules…**

1. **The client needs to create marketing module in the application which is used to plan and monitor marketing campaigns and how to advertised the product be it online or offline such as google ads, TV shows. And it also helps to track a marketing by recording details such as Budget, Actual Cost, Expected Revenue from the marketing, the duration and so on.**
2. **By this we get some leads I mean to say consumer who is interested in what company has offer.**
3. **Later the client will know the customer connecting detailed and he will upload in the contact module.**
4. **If the customer is ready to buy the product, then the client will convert the leads to potentials after that client will send quotation to the customer. It is a document that lists the prices proposed by a seller for their goods or services and offered to a potential customer. A quotation is the last price at which product is traded, it is the most recent price that a buyer and seller agree upon and at which some amount of the product is transacted.**
5. **Meanwhile the client adds their products in its product module and he will maintain the prices the product in price book module. The client will take the customer bank details for security purpose. And stores them in the account module.**
6. **When the customer orders the product then the client will store the order details in purchase order module.**
7. **Then the product will be delivered to the customer with invoice. Invoice is a document issued by a seller, to specify the payment details of a goods.**

**Our project business need is - Centralization of Customer Information. This is all about my project.**

* **Which defect tracking tool you are using?**

**Answer:**

**JIRA**

**First, we will search the bug in the search box if that bug is not there then we have to report the bug.**

**Then,**

1. **We will select the Project:**

**Choose the specific project where we want to report the bug.**

1. **We will create an Issue:**

**There is a dropdown and in that there are few options like Bug, Task, Epic, Story.**

**Select "Bug" as the issue type.**

1. **After that we will give one liner summary. We need to give the basic info of the bug.**

**After that there will be Description column, there we write detailed information about the bug, including steps to reproduce it.**

1. **After that there are fields like Priority and Environment.**

**Set the priority of the bug based on its severity and impact on the project.**

1. **Then we will add Screenshots:**

**We have to add the screenshot if we took during testing.**

1. **Then we will Assignee and Reporter:**

**Assign the bug to the appropriate team member (Assignee).**

1. **At last, we will Submit:**

**And we will receive a confirmation message, and the bug will be logged in the chosen project.**

* **Explain Agile methodology?**

**Answer:**

**It is an iterative and incremental process and keep changing as per the customer needs. In this customer no need to wait for long time.**

**We can accept requirement changes.**

**Testing is done in parallel to the development of an iterative model.**

* **Explain severity and priority?**

**Answer:**

1. **Severity is decided based on the functionality of an application.**

**In short, we can say that it is an impact of bug on application**

**There are four levels of severity Blocker, Critical, Major, Minor**

**Severity is given by TE at the time of reporting the bug.**

1. **Priority is decided by based on the time required for re-testing and impact area.**

**In short, we can say that it is decision of which bug should fix first.**

**There are four levels of priority P1 P2 P3 P4**

**It is given by TE at the time of reporting the bug.**

* **Example of High Priority and Low Severity & Low priority and High Severity?**

**Answer:**

**High Priority and Low Severity**

**Spelling mistake of company logo.**

**Spelling mistake of home at the header part.**

**Low priority and High Severity**

**Misalignment of the text in UI**

**Some buttons are overlapping although clickable but creating fuss.**

* **What are the meetings you were involved in your project?**

**Answer:**

1. **Daily stand-up meeting:**

**It is attended by Development team, scrum master, product owner. At the beginning of a sprint. No more than 15 minutes.**

**It is daily routine meeting; it brings up to date on the information and helps the team to stay organized. A daily stand-up is designed to quickly inform everyone of what's going on across the team. It's not a detailed status meeting. The tone should be light and fun, but informative.**

**In this meeting we discuss like**

**What did we complete yesterday?**

**What do we commit to day?**

**When do you think you will do this?**

1. **Sprint Planning meeting:**

**It is attended by Development team, scrum master, product owner.**

**In Scrum, every project is broken into time blocks called sprints, usually two to four weeks long. A sprint planning meeting is when the team (including the Scrum Master, Scrum Product Manager, and Scrum Team) meets to determine which backlog items will be handled in the next sprint.**

1. **Sprint review meeting:**

**It is attended by Development team, scrum master, product owner.**

**In this meeting where the scrum team meets to reveal what was accomplished during the sprint.**

**No more than 45 minutes.**

1. **Sprint retrospect meeting:**

**It is attended by Development team, scrum master, product owner.**

**The team gathers and discuss about some key insights that would help them perform better in the next sprint.**

**The sprint retrospective is a throwback to what the team had done in the sprint. Agile is about getting rapid feedback to make the product and development culture better. Retrospectives help the team understand what worked well and what didn't.**

* **Tell me the procedure to pull the project from GitHub and push your project in GitHub?**

Answer:

PUSH

1. First, we have to go the GitHub and create a repository by giving some name.
2. After that we go to the eclipse and click on Perspective
3. After that we click on Git Repository and create a local repository.
4. After that right click on project -> Team -> share -> and click to add to Git Repository.
5. Drag and drop the changes & commit and push the project in Repository
6. Enter your GitHub username and password or personal access token.
7. Open your GitHub repository to confirm that the changes have been successfully pushed.

PULL

1. Go to file and click on import.
2. Click on Projects from Git with smart imports.
3. Click on Clone URI
4. After that we have to copy the project URL from GitHub and paste it in the fields.
5. Save the locations where we want to import that project.

* **Explain about your framework?**

**Answer:**

**In my project we used the hybrid framework. It is the combination of the data driven framework and modular driven framework.**

**The Tool we used in my project are SELENIUM WEBDRIVER & JAVA is the Programming language, Unit Testing as TestNG,**

**Build Testing Tool as MAVEN, CI/CD as JENKINS, used GITHUB as Source code management tool & EXTENT REPORT for Reporting.**

**The framework is designed in such way that there is a GenericUtility it is designed to perform a common task, without being specific to a particular application or domain. And Object Repository we are going to create.**

**By Using these GenericUtility and object repository we developed test scripts.**

**Once test Scripts are developed then the Execution part is going to done by using driver.xml or TestNG.xml for batch, parallel,**

**group and cross browser execution and also by using Maven execution in POM.xml for profiling, executing xml.**

**After these we used GitHub for pushing, puling, branching and merging operations for CI/CD we used Jenkins for force execution,**

**scheduling and pollSCM then we get Reports and Screenshots.**

**In my GenericUtility we designed 8 classes & 1 interface by using java and selenium concepts which we are going**

**to use commonly throughout the project.**

**IAuto Constants is the interface in this we are going to store the constants like excel file path, property file path, database URL and so on,**

**which are constant throughout my project.**

**JavaUtility is the class here we are going to generate the random number.**

**PropertyUtility is the class where we are going to read the data from the property file and ExcelUtility is the class here also we are reading**

**the data from the excel file and we used it as a Dataproviders.**

**DatabaseUtility is used the fetch the data from the database.**

**WebdriverUtility is used to perform selenium operation like JavaScriptExecutor, Switch to frames, Switch to window, to do mouse actions,**

**handling dropdowns.**

**TakeScreenshotUtility is used to take the screen shot of the web page or web element.**

**ITestListenersUtlity is used to generate the Extent report.**

**BaseClass is used to give the Pre & Post Condition.**

**Object Repository is also called page object module in these we are going to store the webelement and we use it for develpoing the scripts.**

* **Difference between the constants which you are storing in IAutoconstant Interface and properties file?**

**Answer:**

**Constants are often used to store values that remain constant throughout the execution of a test suite. These values may include URLs, file paths and other configuration settings. Two common approaches to store constants are using an IAutoconstant interface and a properties file.**

1. **IAutoconstant**

**It is an interface where we organize and manage crucial configuration such as**

**PROPERTY\_FILE\_PATH,**

**EXCEL\_PATH,**

**DATABASE\_URL,**

**DATABASE\_USERNAME,**

**DATABASE\_PASSWORD,**

**BROWSER related details**

**If the values are static and unlikely to change, using an interface may be more convenient.**

1. **Properties files**

**It is a file which stores the data in the form of key and value pair.**

**If there is a need for dynamic configuration changes without recompiling, a properties file is more suitable.**

**In practice, a combination of both approaches may be used. Constants that are unlikely to change can be stored in an interface, while configuration settings that may change are stored in properties files.**

* **How to configure the extent report to take the screenshot where there is a failure?**
* **In which domains you have worked**?

Answer:

I worked in CRM and e-commerce domain

* **What were your assigned Modules**

**Answer:**

**Account, potential, leads**

* **How many test cases you have written. Have you executed all test cases**

**Answer:**

**I have written around 300-350 TC and I have executed 220-250.**

* **How many bugs you have found and how many were P1, P2, P3**

**Answer:**

**During this time, I have identified and reported around 40-60 numbers of bugs in which 5-6 are P1 and rest are in the category of P2 and P3.**

* **What is strength of your team and who are they**

**Answer:**

In my recent project there are around 11 members

In which one scrum master, one Tech lead, 6 developers and 3 test engineers.

* **What are the documents you handover during release**

**Answer:**

* **Till now how many releases you have gone through and how many sprints and duration of each sprint**

**Answer:**

* **What are your roles and responsibilities**

Answer:

Understanding the requirement given by clients

Attending and taking various types of meeting

Doing KT to the new joiner and rigorous training

Involving writing test cases and executing test cases

Logging and tracking the bug with the help of tool

Taking and conducting the meetings with developers (about bugs)

* **How to convince to developer about bug**

**Answer:**

* **What are skills you know**

**Answer:**

* **What is your notice period**

**Answer:**

* **Are you ready to relocate**

**Answer:**

**Yes, I am open to relocating for the right opportunity.**

* **Current CTC and Expected CTC?**

**Answer:**

**My current CTC is 3.6 lakhs per annum. As for my expected CTC, I'm very interested in this opportunity and the value I can bring to the role. I've done some research on industry standards. However, I'm open to discussing the specifics and would like to know more about the entire compensation package and the company's expectations before finalizing any figures.**

* **What kind of project we need localization Testing?**

**Answer:**

* **What is your designation?**
* **Your current location and preferred location.**
* **Can we initiate fail test cases**
* **Can you work in the project if your only one QA, how will you tackle the problems?**
* **When you logged a defect but developer does not accept what will you do?**
* **Tell me your roles and responsibilities.**
* **What type of tests have you performed?**
* **What is a hybrid testing framework? List the frameworks used in your project.**
* **How do you report if there is a bug in the software?**
* **Who all joins the scrum meeting calls?**
* **Have you implemented the framework from scratch?**
* **When do you start writing test cases/test scripts?**
* **How can be good selenium test cases written?**
* **What was the duration of your project?**
* **How many testers were there on this project?**

**Answer:**

**2-3 Test engineers**

* **According to you, which was the complex part of the project from a testing point of view.**
* **How did you do the testing of your project?**
* **How many test cases/script have you designed? How many do you write in a day?**
* **How many bugs did you find?**
* **Tell me any high Severity bugs that you found.**
* **What happens when the client changes requirements?**
* **Which tool do you use for defect reporting?**

**Answer:**

**JIRA**

* **What is the database used for your project?**

**Answer:**

**The database which I used in my project is Oracle.**

* **In which technology your application is developed?**

**Answer:**

**Front End is developed by Angular**

**Back End is developed by Java and PHP**

**DB which we used is Oracle.**

* **How many test cases have you automated?**

**Answer:**

* **How much % of your application is automated?**

**Answer:**

**About 75-80% and the rest is human interaction.**

* **If a captcha is present in your project, how do you automate it?**

**Answer:**

**We cannot automate the captcha using selenium but we can handle it**

* **By disabling it in test environment**
* **By passing Captcha using some APIs.**
* **List all the challenges faced in your project?**

**Answer:**

**The challenges are:**

* **Networking**

**Network disconnection is a common automation challenge that a QA team faces wherein they find it hard to access databases, VPN, third party services, APIs, specific testing environments, etc. due to unstable network connections. These network disconnections cause unnecessary delays and hinder the testing process.**

* **Test Case Prioritization**

**Due to shorter release cycles, a limited time left for the Testing stage of the product. As more and more tests are added to an automated testing framework, it becomes overloaded. Tests are delayed, and when this piles up, enough test cases fail that test results miss timelines and cause friction in release cycles. Hence, it has become more important to prioritize the test cases, especially during Regression Testing, to improve its efficiency. Ways to handle this: Increase the number of parallel tests or prioritize which tests must be automated.**

* **Handling Dynamic Elements**
* **Synchronizing Events**

**Sync issues are one of the primary reasons for our automation script failure. The sync issues may arise when we expect some event to occur. However, it might get delayed or might not happen due to some unknown reason, which further causes our test case to fail. For example, when we are running an automation script, just after launching the website, we expect a “accept/decline cookies” prompt to come up, but due to some reason, it got delayed, or it didn’t even occur. This type of synchronization becomes the reason for our test script failure.**

**To handle this, we generally use waits defined in Selenium like Implicit wait and Explicit wait**

**MANUAL**

* **What are test deliverables.**

**SELENIUM**

* **What are advantages of POM Classes**

**JAVA**

* **What is runtime polymorphism and how can you achieve it**

**PROGRAMS**

**SQL**

* **ln how many ways you can refresh page**
* **What is build, what is release**
* **What are locators**
* **You know functionality and you have stubs (dummy modules) What Testing you will do**
* **What are types of black box Testing**
* **What is Regression and when do you go for full Regression**
* **Can you do performance Testing by automation**
* **Action class**
* **Write script to launch browser and execute them**
* **Disadvantages of waterfall model**
* **What is code redundancy and code optimization**
* **Where you will use encapsulation in pom class.**
* **Brain storming**
* **Test ng and advantages**
* **Regression and integration testing**
* **Introduction**
* **How to delete cookies**
* **Methods of action class**
* **How to synchronize application**
* **Explicit wait**
* **Difficulty you faced in agile**
* **Static and non-static**
* **Types of testing done by you in your project**
* **If build is ready, can we test the application? and we don’t have the requirements**
* **Exploratory testing**
* **Difference between project and product**
* **Command for maven project**
* **What is smoke testing**
* **What are configuration annotations**
* **Write a script for Launching Flipkart application**
* **Explain WebDriver driver = new Chrome driver ();**
* **In my project which modules I have worked**
* **What is SCRUM in agile methodology. Types of meeting, Advantages of agile methodology**
* **What are Acceptance criteria.**
* **Who will do acceptance criteria.**
* **What is a story board.**
* **What is configuration and annotations.**
* **What are entry criteria and exit criteria.**
* **What is Assertion.**
* **Advantages of V&V model.**
* **Write a script to launch the Flipkart application and must mouse hover on men t-shirt.**
* **Explain WebDriver driver = new Chrome driver ();**
* **When will we get Invalidselectionexception**
* **What are configuration annotations**
* **What do u mean by Maven?**
* **Differentiate between Regression testing and Retesting**
* **What is the relation between test case and test data**
* **what is stubs and drivers ?**
* **what is code redundancy? .**
* **what is static environment in TestNG**
* **What are the best possible test practices?**
* **What kind of testing we do if we do not have documentation**
* **Mavens Command List**
* **What is Framework**
* **What are Assertions**
* **Database Testing**
* **What is the test matrix followed**
* **How to Report a bug**
* **Use Case**
* **Fluent Wait**
* **include and Exclude**
* **How do you handle alerts in Selenium**
* **Difference between Find element and Find elements**
* **Difference between Relative Xpath and Absolute Xpath**
* **What is GitHub**
* **Localization Testing**
* **Keyword Driven Framework in selenium, Data Driven Framework**
* **How to execute Fail Test case in Framework**
* **What is Pre-Production Environment**
* **What are annotations in Java**
* **Advantages of Git Hub**
* **Git Conflict**
* **What is configuration management**
* **Launching a browser in selenium**
* **Method overloading and method overriding**
* **Java program for reverse a string**
* **What is exploratory testing**
* **What is bug leakage and bug release**
* **Drive to each module in amazon**
* **Reproduce bug**
* **Defect tracking**
* Include and exclude
* Data from xl
* SDLC
* What is assertion
* How to delete cookies
* Methods of action class
* Bug release
* Properties file script
* After the introduction they told me to explain about my hobbies
* Different types of defects
* How will you handle synchronization?
* How will you handle cookies?
* Test data
* Bug and error difference
* What is TestNG and advantages
* Different annotations of TestNG
* What is @Factory annotation in TestNG
* What is bug spill
* Debugging
* With adhoc testing can we do automation testing
* Agile methodology, Daily standup
* How to handle the window
* List all the popups
* How many tests scenario you have written till now
* difference between testcase and test scenario
* Script on properties file
* Usability testing can be done on which type of project
* How do u select test case to automate
* What is class
* SDLC
* Which domain have you worked
* How many years of experience do you have
* What was my role and responsibility
* What is bug and defect and error and failure
* Difference b/w smoke and sanity
* Difference b/w pre-production server and release server What is soap testing
* RTM
* What is software testing
* What are the types of software testing
* What is functional and non-functional testing.
* What is smoke testing.
* What is unit testing.
* What is STLC.
* Have u worked on any unit testing tool. I-lave you tested any application.
* What is manual testing
* Difference between manual and automation
* Different between black box, white box, grey box testing
* What is bug life cycle
* What is integration testing
* Difference between test cases and scenario and test plan
* What is TestNG?
* What is regression & retesting?
* Meetings in agile methodology?
* Smoke & sanity testing
* Verification & validation
* Which SDLC model your using in your project?
* Give me scenarios on my status module in WhatsApp?
* What’s the priority of execution in testng?
* How to do group execution and parallel execution?
* What is depends on script?
* How to handle element when both id & expath are dynamic🡪shadow root element
* Priority and severity
* Give me example for high severity and low priority
* Defect cascading
* What is usability testing?
* What is deferred defect?
* What is API?
* What is performance testing?
* What is UI & UX? (User interface and user experience)
* Give me an example for UX defects?

FAKE IT TILL YOU MAKE IT