

B10 – REAL LIFE COUPLE INTERVIEW QUESTIONS:

Shahin G.

- Tell us about your project.
- Where do you use Java?
- What's the difference between String and StringBuilder?
- What's the difference between stack and heap?
- What are joins (SQL)?
- What is the use of Scenario Outline?

Ibrahim S.

- What tools you are using backend testing and What do you test in Backend Testing in your project
- What is selenium identifier?
- Difference between explicit and implicit wait, give me an example?
- what is java synchronized data structures and when do you use?
- do you use JENKINS, (yes), what SRC tools you are using with Jenkins?
- What is your approach to create Test Strategy and Test Plan?
- What is browser compatibility testing?
- What are the steps involved in creating Test automation framework?

Enes S.

- I see you have AWS certification,
 - can you little talk about?
 - how do configure jenkins on EC2
- Day to day activities
- he opened a google doc document and wanted to me write some value as a list and key value for map--> how do you put inside map
- in selenium how do scroll down if the element is not visible--> he wanted me type jsxecuter scroll down method
- What is stream in Java?

Feruk C.

- Could explain your current and last job project?
- How many API are you using in your current project?
- Do you familiar with the cloud system and can you explain it?
- Do you have experience with AWS, please explain it?
- Can you explain your team structure?
- Why do you interested in this position and Why would we hire you?
- Have you ever create a framework from scratch?
- Can you explain your BDD framework and what was the reason you need data-driven framework on your current project and please explain it?
- Can you explain the tools you use in your current project?
- Difference between JMeter vs PostMan?
- Do you know how to do integration testing?

Merve O.

- I explained my framework in detail.
- And he asked me about smoke and regression testing
 - how do you know it is smoke or regression testing?
- He asked about the OOP
- Abstract and interface?
- Inheritance (I give an example in more human language)
- Explicit wait and Implicit wait
- He talked about Jira and bitbucket

Toufiq N.

- Tell me about your day to day activities?
- What is Webdriver in terms of Java?
- How do you reverse a string in Java?
- Junit annotations vs testNG annotations?
- How do you handle pop ups in browser with Selenium?
- How do you handle a drop down in a browser?
- Say we are in a browser, and there was 5 different elements that directed us to a different link. Once we click on an element and a new window pops up, how do you switch to that window?
- What method in Selenium provides if the checkbox button is selected or not?
- What is the difference between XSSF and HSSF?
- What is the difference between implicit and explicit wait?
- What is the difference between Set and a List?
- What is a HashMap in Maps framework?
- What is the difference between PUT and POST http protocol and API?
- What is a query parameter in API?
- Tell me about your framework? (don't just mention what tools you have used in your framework, explain HOW you have used these tools in your framework and WHY you have used these tools...)
- Define your POM.xml in your framework? (what it is used for, why it's important for your framework and how it effects...)
- What is the difference between Overloading and Overriding in Java?
- Can a subclass class call a parent class's functions which is initialized as final in Java?
- What is the difference between FindElement() and FindElements() ?
- Are you familiar with Jenkins? What do you use it for?
- What is a garbage collector in Java?
- What is an inner join in SQL?
- What is a left join in SQL?
- What is a right join in SQL?
- What is a Union in SQL?
- What are constraints in SQL?
- What is URI and its purpose in terms of API?
- What type of Authentication are there in API? What is an OAuth(Oauthenticaiion)?
- How do you handle Exceptions in Java?
- Give me different types of conditional statements in Java? (if-else, ternary, switch statement...)
- What are different ways of locating an element in Selenium?
- In terms of locating an element, what is a single slash(/) and double forward slash(//)?
- What is Encapsulation in OOP?
- What is the difference between a Primary and a Foreign key in SQL?
- What is the difference between an Array and a Vector (Collections framework)?

Tarik K.

WEBEX INTERVIEW

- Can you explain briefly about your last project and your experience with Selenium and Cucumber specifically?
- Can you explain little bit about your automation framework?
- Can you talk about your team structure?
- Let's say you're given some test cases; how do you decide them to automate or not? Can you tell me any specific factors?
- How big is your regression suite?
- Follow up Q for this -> Are all of these(test cases) more like UI based or REST based?
- How long does it take to complete one cycle of execution of Regression suite?
- After you execute them, do you see any failures or they're running perfectly fine?
- Can you tell me one automation challenge you faced and how did you solve?
- How do you handle dynamic elements on a webpage?
- Do you perform back end validations other than API? (He asked about database validation and how I do it)
- Do you have any experience with test management tools such as Jira and ALM?

- Does your Java code identifies and logs defect in Jira automatically or you do it manually?
- Can you tell me about your reporting structure? How do you organize your reports?
- Do you have any experience with other test automation tools like UFT, Protractor?
- Can you tell me about your source control structure?

SKYPE INTERVIEW

- Can you tell me about yourself?
- Can you tell me about your project, framework, and tools/technologies you use?
- You said you're also working with DDD, where do you get your test data? Is it from examples table or from external source?
- When using API, what are the different status codes you are getting?
- What are the components in the Cucumber feature file?
- Can we use background for only one scenario?
- What kind of browsers did you use for UI automation?
- How often do you run your smoke tests? What kind of CI/CD process you follow?
- How many test cases do you have in your regression suite?
- How often do you run your regression suite?
- How long is your sprint?
- How do you implement OOP in your framework?
- How do you use Maven? (I told her about maven commands to run my tests and she asked what are those commands)
- Have you use Collections framework in your project?
- Can you tell me one challenge or scenario while you automating? (After I explained the challenge, she asked more details about that challenge)
- How do you handle browser pop-ups?

TELECONFERENCE INTERVIEW

- Can you tell me about yourself while waiting X (SDET team member) to join the call?
- Tell me about your current Scrum Team, what is your role, how many people are there?
- What is your contribution to the team as an SDET?
- SDET team member joined the call and asked: Can you walk me through your framework? What are the technologies and tools you use? How is your test execution happening?
- You also mentioned you're maintaining smoke and regression suites, how do you organize them?
- Can you walk me through all the steps to create a job? (Jenkins)
- How does your Jenkins sends the reports? How do you store the reports? What kind of reports do you using?
- Who receives the reports email?
- Can you tell me how the cucumber works technically? Explain the steps to execute Cucumber tests?
- Can you walk me through your Runner class? What is inside in the class?
- You also mentioned that you used Page Object Model in your class, could you talk about the structure of your page object classes?
- Can you tell me the difference between Credit Union and Bank?
- Who can be members of Credit Union?
- Does the application you're working on has a database?
- Do you run your own queries, or someone does it for you?
- Can you tell me difference between Inner Join and Outer Join?
- This could be technical or non-technical, tell me something that you learned while working in X (first company that I worked) ?
- Do you have an implementation of API testing in your framework? How did you use it and what tools did you use?
- Can you tell me about your POJO's?
- What are the HTTP status codes that you're working on daily basis?

Khazar M.

- How many test cases do you have in your regression suite?
- How often do you run your regression suite?
- Tell me about yourself.

- *A: I started my IT career in 2013 as a manual tester. Then I learned Java and at the same company after a year started doing automation using Java. Although I specialized in Automation, so far performed QA in Healthcare, Insurance and Finance domains using both manual and automation techniques. I am very comfortable in Java and OOPS concepts. So far, I worked with Maven, Gradle built BDD, DDF and Hybrid frameworks using POM design pattern and used testing tools such as TestNG, JUnit, Cucumber, Selenium WebDriver and libraries such as Apache POI, Rest-Assured, Jackson, JDBC in it. Experienced in SQL, performing Data Integrity Test with RDBSs such as Oracle, PostgreSQL and MySQL. I am very comfortable in creating different type frameworks and can easily adapt and maintain existing ones. I am experienced in Smoke, Regression, Functional and Back-End testing. So far, I worked in Waterfall and Agile/Scrum methodologies and well experienced in all phases of SDLC, STLS and Bug Life Cycle. Participated closely in all scrum ceremonies and played important role as a cross-functional team member. I am very positive, result oriented, adaptive team-player and my friends say you have great interpersonal and communication skills, I can work under pressure in order to meet deadline. Quick learner and flexible person.*
- Test cases, tests, duration, sprint, release:
 - *Smoke: About 20 test cases and it executes during 16 mins +-20 secs, executes every day at 7 am*
 - *Regression: 500+ test cases, 200+ feature files 2-4 scenarios each and executes during about 5.5- 6 hours-executes every sprint, every release, after new functionality added, after major bug fixed*
 - *Each sprint 3- 5 user stories*
 - *1-2 test cases a day, 15-20 test cases per sprint*
 - *Release every 2 month(4 sprints), about 14-18 user stories, 60- 70 test cases per release.*
- Tell me about your agile process:
 - *A: Agile processes generally promote a disciplined project management process that encourages frequent inspection and adaptation, a leadership philosophy that encourages teamwork, self-organization and accountability, is a set of engineering best practices intended to allow for rapid delivery of high-quality product. My sprint is 2 weeks. We make all scrum ceremonies and additionally we have some other meetings as well: mid-sprint(2nd Tuesday), before release(every 2 months), grooming and knowledge transfer(every month) meetings. We start our sprint with sprint planning meeting, and we learn part of the application which we are going to develop and test. After we get the general idea about the project, we do sprint grooming for giving some estimate points and time for the stories. Our release is in every 2 months. When the sprint starts, we do daily standup meeting everyday morning and we discuss what we did yesterday, what we are going to do today and if there is any blocker. End of the sprint we usually do sprint Demo. as SDET, in my team I have done presentations and go over the functionalities. Clients, stakeholders or business people will ask questions about the technical part that they don't understand. After sprint demo we do sprint retrospective meeting. in sprint retro we talk about what went good in last sprint. what kinds of mistakes we made all the good and bad! and we go over them and make sure we don't make the same mistakes again. about the good parts we would keep continue and try to be better for coming sprint.*
- Tell me about your team:
 - *A: My team consist of adaptive, cross-functional and self-organized individuals that highly motivated and knowledgeable. We are 4 developers, 3 testers- 1 manual, 2 automation, 1 BA, 1 scrum master.*
- What is your role and responsibilities in your current project?
 - *A: As a automation engineer, I develop/modify my "testing framework" which is based on POM design pattern.*
 - *I perform various type of testing such as functional testing, smoke testing, regression testing, back end testing.*
 - *I am responsible to execute regression test when the is new functionality in the application or at end of the sprint or after any major bug fixed.*
 - *I am also responsible to check reports of smoke test to make sure that environment is up and running first thing in the morning. If there is any issues, I will analyze them. if it is server issue, i will immediately contact developers. if it is about my scripts, i will debug them. if it is a defect i will reproduce it and log the defect.*
 - *Now, we have about 80% of automated test cases. It was my main accomplishment, before 50/50*
 - *Also, I was involved in Back-end automation activities, so I was using rest-assured library for automation, Postman-Client for manual API testing. I was performing API testing with PostgreSQL DBs*
 - *I'm using Jira as bug tracking tool. once the bug was fixed by developers, I retest it and if it passes, I close it. if the defect is not fixed I will re-open my ticket. Also, as a part of the Agile-Scrum team, I participate in the several walkthrough meetings for requirement reviews and provide valuable feedback to the BA. Lastly, I'm a cross-functional team member that is always willing the help my team in any way to achieve our sprint goal. This is pretty much about my role as a automation engineer in my current project.*
- Tell me about your framework:

- *My framework in my current project is Maven built, Selenium Java BDD framework with DDT in it. Framework is developed by using POM and Singleton WebDriver design pattern. I actively participate in developing and maintaining the framework by adding new page objects, generic and functional methods relying on OOPS.*
- *The framework uses Cucumber with JUnit and can execute Data integrity Testing using JDBC and API Testing using RestAssured libraries. Framework handles automation scripts about 80% of all tests. Framework connected remotely to GitHub repo for source control and Continuous Integration by Jenkins. It generates cucumber Json and html reports with failure screenshots. It is well organized and easy to understand and adapt.*
- Meetings:
 - Sprint planning- 1st week 1st day- Tuesday
 - Sprint demo- 2nd Monday morning
 - Sprint retro- 2nd Monday afternoon
 - Daily stand-up every day at 10 am
- Tell me about your application and what functionality you are working on currently
 - *My application is web application, We provide wide banking, investment and brokerage services. Right now, we are working on Individual approach functionality on mortgage requests, so when customer applies for mortgage, the approval result not only depends on credit report and income, also his membership history and assets play important role in decision. It gives you opportunity to insure your mortgage by your assets or involve them. Last Bug found- in requirement says that you can choose that option after credit report. System automatically shows you minimum recommended amount for insure your loan if needed. And also it allows you to enter manually and shows the minimum boundary value. When you enter less after leaving the amount box error message should be displayed next to the box. But actual result was different message which is related to investment types.*
- 2. Imagine you have a room with no window, one closed door, there are 3 bulbs inside and 3 switches outside. You are allowed to open the door once. How you can define which switch is connected to which bulb.
- 3. A good one-hour questions about Rest Api. They almost asked everything, Pojo included.
- 4. if you have list of elements how you can pick certain element to check if it is visible or not?
- 5. How you integrate with developers?
- 6. What's your approach to create test plan, test case?
- 7. As you know Api use static methods, it takes a long time to execute our test cases, we cannot run them parallel, because it uses static methods, what do you think how can we reduce that execution time and make it shorter?
- 8. How you can check functionality of any method in library does it work properly or not?
- 9. Please draw your framework how you use POM in your framework
- 10. How do you perform stress testing, unit testing and integration testing
- 11. When we use static objects while executing parallel testing it gives conflicts, do you have better suggestions?
- 12. What type of API's do you know, which one you prefer, why?
- 13. What's difference between xpath and css? which one you prefer? why? what are challenges?
- 14. We are sending request to the server and getting back response as an java object, How can you test the response?
- 15. Why do you use Junit with Cucumber? not TestNG?
- 16. Can you tell me pros and cons of Cucumber?
- 17. How do you configure you API library? How you call methods from that lib?
- 18. Tell me about yourself, your framework, your role
- 19. Why did you apply to this company, talk about our culture and about what we are doing
- 20. One-unit testing task, one java task (check if the word is Palindrome)
- 21. Right now we are having a performance issue with our load balances(displayed the graphical issue with all data flow) how you can solve this challenge?
- 22. My friend is director of QA in your company, do you know George? ☺
- 23. Talk about postman, how do you perform testing using Postman?
- 24. how to put body in your request (API)?
- 25. How do you define your test data? where do you get it?
- 26. Do you do testing in dev environment?
- 27. When creating a framework what do you take into account?
- 28. How do you solve timeout challenges? I don't rely on wait methods which selenium provides? How do you find proper wait method when there is timeout issue?
- 29. In our API library there is a search method which accepts a parameter sends request to the server and returns back a java object, how would you test that response? (edited)
- 30. You wrote a method for `aaaabbbccddda==> a4b2c3d2a`, good.! What datas will you use to check if your method works correct or not? *(answer is at the end of these questions)*
- 31. What do you do in your free times?

- 32. What do you do when you free at work? just get your phone and play games?
- 33. Who decides which test cases to automate and how it is defined?
- 34. How often you work remote and does it reduce productivity of work?
- 35. He took a pen and draw a unique figure and put dot in it, said this is a map and you are here, what paths will you choose to define the gas stations in this map? I said i ll grub my phone and google it)

Idris Hamza

- I didn't get a chance to look at your complete detail on your resume, can you go over your experience?
- Is it safe to say that you are mainly a UA automation developer?
- When you used Protractor, which version of angler did you use?
- Is Selenium your main strength?
- Can you tell me some difference between using XPath vs CSS?
- Have you used Selenium Grid before?
- How comfortable are you with Databases?
- Did you work with Oracle?
- In an Oracle Schema, there are two tables. They have some data in them. The job is to verify these data are the same. How would you approach this?
- Are you comfortable with Command Line or are always working on Windows?
- Can you tell me Grep Command is used for?
- So, you use Postman. Tell me, are you familiar with RestAPI?
- So, I see you are certified with AWS, which services have you used before?
- Have you done any Performances Test?
- Are you using Java or JavaScript?
- In Java, have you worked with JSON data before?
- Can you tell me how to convert a String to an integer and an integer to a String in Java?

Zhansaya Zhangabatyrova

Technical phone screenings with **Fannie Mae** (twice)

#I passed two technical phone discussions over the phone, but failed codes on WebEx meeting.

- Can you overload constructor in Java?
- What kind of the design patterns do you know in Java? (I could explain only Singleton pattern)
- Java is -pass by value or pass by reference? (I was not sure, which is correct, but I confidently answered, that Java is- pass by value, because we are using a copy of passing parameters, I remember Akbar was explaining it, I forgot at that time)
- What is a memory leak in Java?
- Difference between interface and abstract class?
- How to achieve methods in the constructor?
- Difference between HashMap and HashTable?
- will be Finally block executed regarding an exception is handled or not?
- Explain the logic of finding duplicates in array?
- Difference between array and ArrayList?
- What is Vector?
- Lambda expressions? (Thank God, I read them before, I could explain somehow)
- Functional interface? (This followed after lambda, but I could handle it)
- 14. What are listeners in TestNG? (I totally didn't know it)
- How to group test cases in TestNG?
- Components of Selenium?
- Cross browser testing in Selenium?
- How to launch ChromeDriver?
- Waits in Selenium?
- How to handle multiple tabs?

Oil & gas company technical phone interview

- Types of Selenium wait
- Difference between absolute ex-path and relative ex-path
- How do you use Jenkins in your current project?
- What is the function of enforcer plug-in in Maven?
- Git stash?
- Do you use Selenium grid in your project? Why?
- Difference between Soft assert and hard assert
- Types of locators in selenium?
- Difference between snapshot and release in Maven?
- What is dependency inheritance in Maven?
- Selenium exceptions
- Page object model ?
- What applications of DDF do you use?
- Depends on annotation in test NG
- Parallel testing in Cucumber?
- How can you move the cursor to any location in Selenium?
- How do you get screen shot when your test fails?
- How do you decide to automate a test case?

Walmart labs F2F

1. it was the first step F2F tech interview (no phone screening). It was 2 guys -> 1 developer and HR.

- tell me about your project
- how do you test API
- how do you test API if it is not developed yet?
- how do you test API if it is not even designed yet and you have no acceptance criteria for it?
- have you heard of a tool called *** (I don't remember the name) -> he explained that it is used to test APIs when it is not engineered yet?
- do you use Jenkins
- can you tell me how do you set up a job?
- so, when the dev code is pushed to GitHub your testing then runs? (not really, I explained how it works)
- so, you have a separate environment with devs?
- how do you use git?
- can you tell me how are your branching works?
- how do you test the functionality?
- what do you do when you find a bug?
- what do you know about aws?
- do you know any .net tools/services?
- would you like to become a developer in the future?
- would you be able to be the only one tester in the project?
- what are you looking for in your job place?
- what is a great working environment for you?
- what do you like to do in your free time? -> and we talked a lot about traveling
- do you shop in Walmart?
- how is your experience with it?
- what do you like most about it?
- what would you change?

2. If you pass the first step, they give you a small project and 1 week of time to do it.

3. The last step is 3 hours F2F where you explain your logic and implementation of the given project. Please see the task file attached

Unfortunately, because I received an offer from another company with the same recruiter, I had to make my choice and decline an offer and proceed with Walmart or take an offer and cancel final f2f with Walmart, which I eventually did. I implemented a logic of the task; however, it needed a lot of work, optimization, additional logic for different cases, a lot of design work, which I didn't continue to implement after I canceled f2f. However, if it can help anyone there is a GitHub link: <https://github.com/Skarleto3/ProjectForWal.git>

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note: 3 people on F2F. The developer put a lot of pressure on me and even was kind of disrespectful at some point during the interview, but I received an offer 5 minutes after I get off the door. Just be confident.

- I don't want to hear your framework I want to see what functionalities you've worked on for the last 3 years
- tell me more ...more...more about the project (the guy didn't stop till the time I told him that I cannot go into too many details)
- tell me all of the bugs you recently found
- give me 5 more
- how did you test that particular functionality?
- I need the design
- how did you test database?
- you have 03-Jan-2019 in database and 01-03-2019 in UI, how do you change all dates like that without using java
- You have a text file document input (your resume) count how many times the first part of word java ("ja") appears in the document (whiteboard)
- you have three numbers in the database, but your UI has dashes and some other characters. How do you compare (whiteboard)?
 - 123456 -> A12-34-56
 - 321654 -> M32-16-54
 - 789456 -> K78-94-56
- What is java regex?
- Is it any other method beside .matches() you can use for a regex?
- What are SQL constraints
- structure of your application (whiteboard)
- structure of your framework(whiteboard)
- where do you store the test data?
- How do you compare 2 custom objects?
- How do you do parallel running(wanted all possible options)
- Jenkins job
- A lot of questions about last two companies: Example: Where is school next to it, I know people working there do you know this and this person
- How was your project manager in Navy Federal? How was your director?
- Tell me about your current project?
- Trying to catch me on years which I have worked in companies etc.
- Basic and simple Java questions
- Basic and simple Cucumber and Selenium question
- Basic Sql questions

write a method to get string and return as below:
aaaabbccddda==> a4b2c3d2a

```
public class returnWord {
    public static void main(String[] args) {
        System.out.println(getword("aaaabbccddda"));
    }
    public static String getword(String word) {
        int count=1;
        String ret="";
        for (int i = 0; i < word.length()-1; i++) {
            if(word.charAt(i)==word.charAt(i+1)) {
                count++;
                continue;
            }else {
                ret=ret+word.charAt(i)+count;
            }
            count=1;
        }
        ret=ret+word.charAt(word.length()-1);
        return ret;
    }
}
```