Most Important IQ:

1. **Tell me about yourself**

Key Points:

- Introduce yourself: name
- Years of experience
- Methodologies: worked on Waterfall & Agile (Srum)
- Domains: healthcare, banking, retail, insurance, airline….
- Manual Experience and tools you have used: jira, alm, sql developer (Oracle, SqlServer, MySql)
- Automation experience:
  - IDE: Eclipse, Intellij
  - Testing tools: Selenium, Cucumber, TestNG, JUnit
  - Build tools: Maven, Ant
  - Version control/Remote repo: Git/Svn, Github/Bitbucket
  - CI & CD tools: Jenkins
- Framework: data driven & hybrid with POM
- Types of testing you have performed: smoke, regression, functional, backend
- Soft skills: team player, quick learner

Example 1:

Hello , my name is _____ and I've been in the Software Testing Industry for about ____ years now experienced in both automation and manual testing on client-server and web based applications.
Throughout my career I have been working on different types of domains such as _____ and experienced in both Waterfall and Agile Methodologies, in depth understanding of Scrum. Performed different types of testing such as smoke, regression, functional, positive, negative and backend testing.
As an Automation Engineer I have successfully developed and maintain different types of frameworks such as DataDriven, Behavior driven and Hybrid Framework. Mostly I have been working with Selenium Webdriver and Java using Eclipse. My most recent tools and frameworks been Cucumber and Junit also I have great experience working on TetsNG. I have used build management tools such as Maven and Ant, CICD tool such as Jenkins, version control tools such as Git and Svn.

I have experience working on API testing using Postman and RestAssured and also performed database testing using JDBC.
On top of my technical skills I am positive person, quick learner and detail oriented. I'm comfortable working independently by myself and working cross functionally in teams.

Example 2:

My name is _____ have been in the QA field for about six years. I have worked in both waterfall and agile methodologies therefore I am used to working by myself and also working with a team being cross functional. I have also worked in different domains such as banking, airlines and also car insurance. I started off my career as a manual tester where I refined my understanding of the SDLC and STLC processes. However for the past (how ever many years) I have been working as automation tester on different types of applications such as web and client server. As an automation engineer I use selenium and leverage java as the program language. I have worked with different types of framework for example I was maintaining a framework through the use of cucumber and recently I have created a new framework through the use of TestNg. Regardless of the framework I've used throughout my career I have always incorporated them into a build management tool called maven. I have done different variations of testing however most importantly I've done regression and smoke testing. I have also recently have started introducing CICD tool called Jenkins to better maintain and execute my test case.

Example 3:

Good morning everyone! My name is _____ . I am a qa engineer with ___ years of experience in the software testing field. I have been experienced in both automation and manual testing on Web Based, Windows and Client server applications.
As a QA Engineer, I was involved in all phases of Software Testing Life Cycle, starting from requirement analysis till production deployment and worked in both waterfall and agile environments.
Performed different types of testing such as Regression, Smoke, Database, Sanity, Positive and Negative testing on retail, insurance and healthcare domains.
Coming to my automation experience I worked with different sets of tools, languages and frameworks, such as Selenium, TestNG, Cucumber, Maven, Git and Jenkins. My current project is with _____ where I do automation using Selenium WebDriver and Java. Also I am performing API and DataBase testing.
On top of my technical skills I am a team player and a quick learner.

2. Tell me about your project?

Mostly interview would like to hear about your responsibilities and contribution to the project. In this question we will move focus to tell me about framework

Scenario 1: Automation using Cucumber

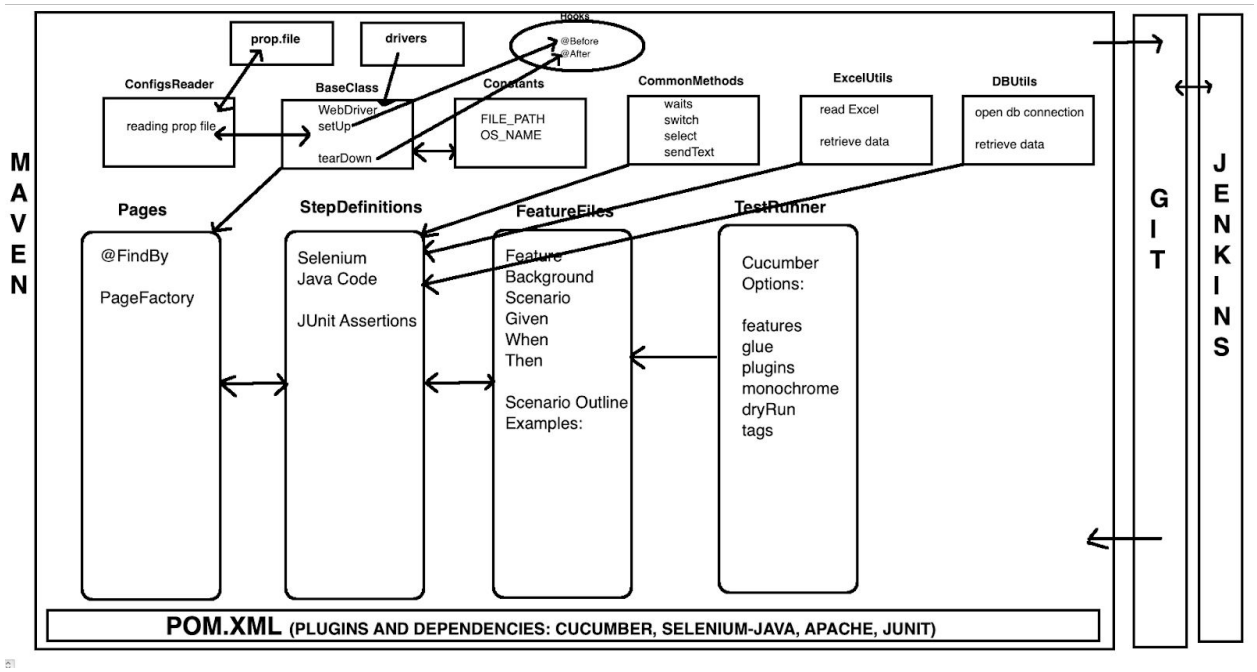
My current project is with ___ company where I worked on Customer Service application and our application mainly deals with connecting healthcare customer representative, health providers and customers/patience. As a customer representative user is able to retrieve and modify information of providers and patience by accessing only 1 system. So my main responsibility was to automate regression suite for that application. In my project we do automation with Selenium and Java as a scripting language using Cucumber framework followed by POM design pattern. Our Cucumber tests are run and verified using Junit assertions. Also in my current project I perform API and DataBase testing and I do manual testing as well. Also here we are using Jenkins for continuous integration, and GitHub to store our source code. In my project we follow Agile and our sprints are 3 weeks long, in which daily stand ups are held, among with sprint planning, demo and retro meetings.

Scenario 1: Automation using TestNG

My current project is called umbrella which is a web based application that consists of 2 parts: sales and service and have 2 different user roles: customer and counselor. As a current holder of an auto policy user is allowed to get additional liability coverage up to 1mln. In this coverage user is allowed to add additional drivers, homes, rental properties and vehicles. So my main responsibility was to automate regression suite for that application. In my project we do automation with Selenium and Java as a scripting language using TestNG framework followed by POM design pattern. I develop test scripts using oops concepts of java and different types of TestNG annotations for grouping and prioritizing my test scripts. Also in my current project I perform API and DataBase testing and I do manual testing as well. Overall my project is following 3 weeks sprint, in which daily stand ups are held, among with sprint planning, demo and retro meetings at the beginning and end of each sprint.

3. Tell me about your framework

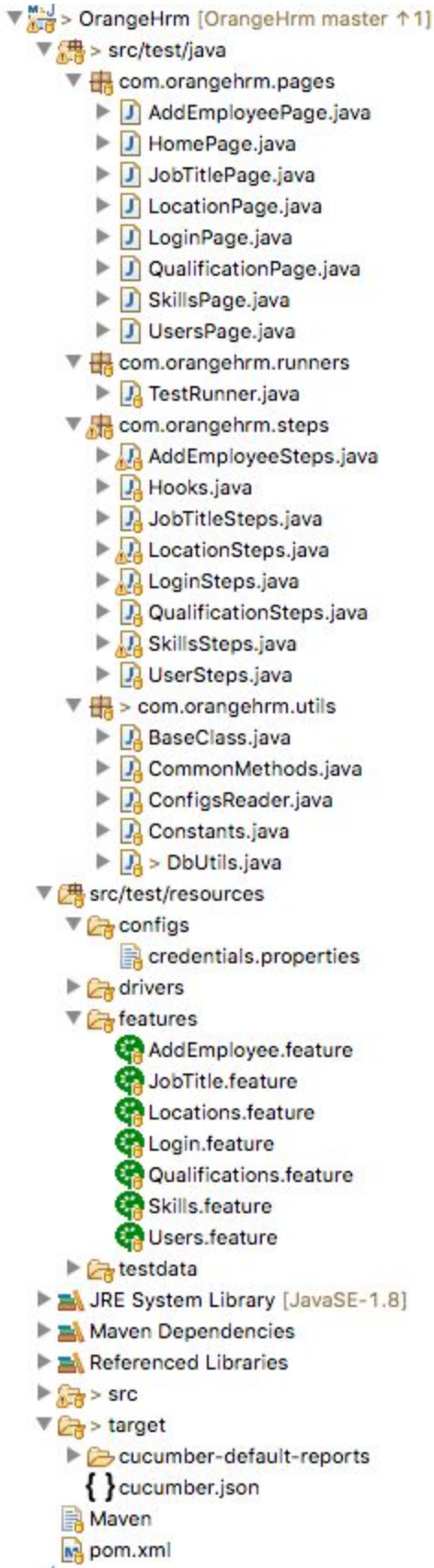
Scenario 1: Cucumber framework



My current framework is using Maven tool and it is developed using hybrid model means the combination of POM using page factory and BDD.

Our framework has # numbers of layers:

- Test Runner: Execution point it contains the test execution information (which features, tags to execute and where to look for implemented code)
- Feature Files: Contains test scenarios written in Gherkin language
- Step Definitions: Contains Java method binding of Gherkin steps and call to page objects.
- Page Objects: Contains webelements and methods to perform on those elements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> src/test/java
com.orangehrm.pages
AddEmployeePage.java
HomePage.java
JobTitlePage.java
LocationPage.java
LoginPage.java
QualificationPage.java
SkillsPage.java
UsersPage.java
com.orangehrm.runners
TestRunner.java
com.orangehrm.steps
AddEmployeeSteps.java
Hooks.java
JobTitleSteps.java
LocationSteps.java
LoginSteps.java
QualificationSteps.java
SkillsSteps.java
UserSteps.java
> com.orangehrm.utils
BaseClass.java
CommonMethods.java
ConfigsReader.java
Constants.java
> DbUtils.java
src/test/resources
configs
credentials.properties
drivers
features
AddEmployee.feature
JobTitle.feature
Locations.feature
Login.feature
Qualifications.feature
Skills.feature
Users.feature
testdata
JRE System Library [JavaSE-1.8]
Maven Dependencies
Referenced Libraries
> src
> target
cucumber-default-reports
cucumber.json
Maven
pom.xml

Maven: First, we have Maven project that helps us building project structure , execution of our automated scripts and dependency management. In pom file we add all dependencies that are required for the project (Selenium, Cucumber, JUnit, JDBC, Rest Assured etc).

Test Runner: Is the execution point of our framework. In our runner class using Cucumber options we specify configurations of our tests.

Cucumber Hooks: using @Before and @After annotation we calling setup method in our Base Class that initializes our driver. Also we using tagged hooks that opens and closes database connection whenever we need to execute Database scripts.

Base Class: In this class we are extracting value of our browser and url from properties file and using those values doing WebDriver initialization and navigating to specific urls (we test on different environments Test and SIT). And then our pages class extends this Base class.

Feature file: here we are writing our test cases using Gherkin syntax **Given, When, Then.**

Step Definitions: In this we are actually implementing our automation scripts and logic using Selenium and Java languages and performing validations using JUnit assertions.

Pages: In this we are storing information about pages, it's element and actions that need to be performed. We are using @FindBy annotation to locate the element and PageFactory to initialize all elements. We create class per page (let's say if my application would have 10 pages then I would have 10 page classes.

Common Methods: In this we are going to describe the common reusable function for example mouse hover, handling alerts, frames and windows, taking screenshots, explicit waits and javascript executor.

Excel Utility: In this class we store functions to open, read and extract data from Excel

DBUtility: In this class we store functions to open database connections, extract data from database and close any open connections.

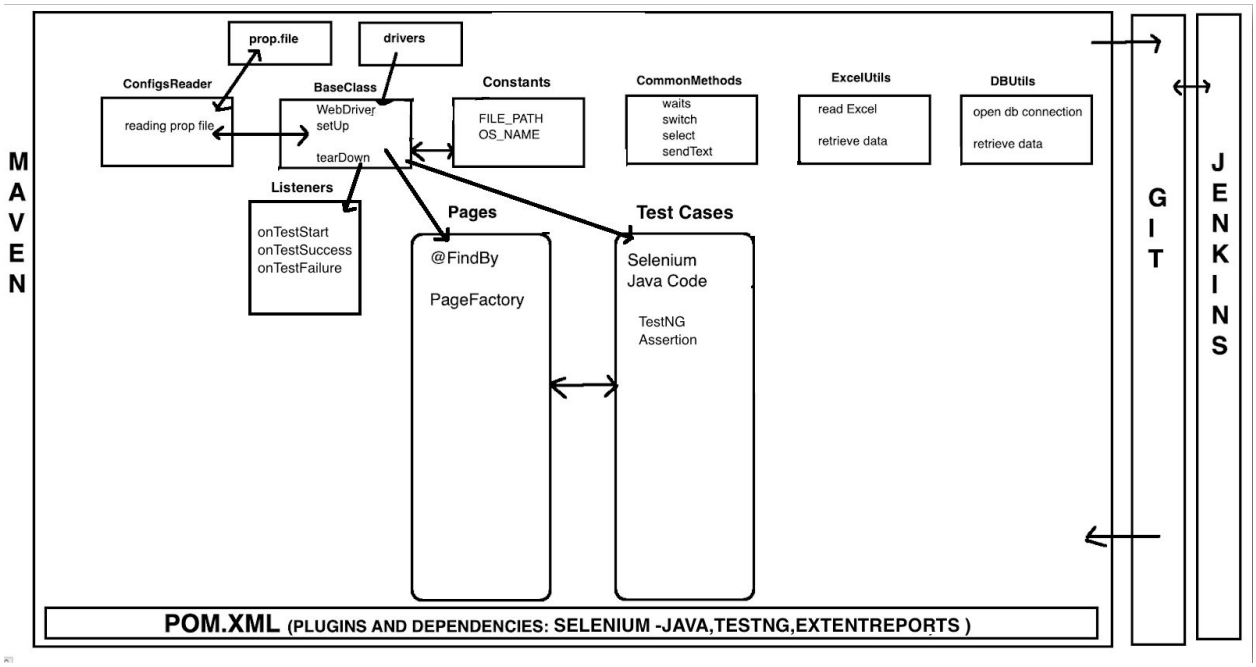
Constants: This class holds the information which is static in nature and remains static throughout the entire framework such as path to the configurations and excel files, operating system type.

Target: All cucumber Html and advanced reports will be generated successfully in target folder.

Version Control: We are using GIT for storing all the scripts at a centralised repository.

Jenkins: We are using Jenkins for Continuous Integration. We execute the test scripts on a daily basis or when ever a code pushed. Test scripts are also executed based on scheduled.

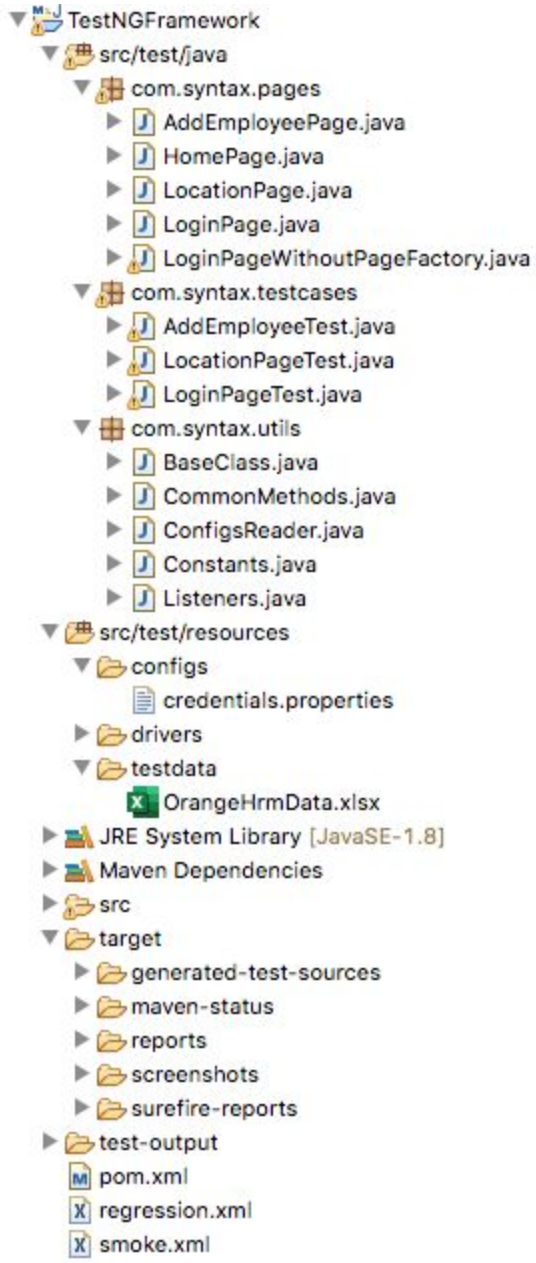
Scenario 2: TestNG framework



My framework it developed using hybrid model means the combination of POM using page factory and Data Driven. As per Page Object Model, we have maintained a separate class for every webpage and these class holds all the functions and members of that webpage.

Our framework has # numbers of layers:

- Base Class
- Pages
- Test Cases
- Test Data
- Utilities
- Test-Output



Base Class: In this class we are extracting value of our browser and url from properties file and using those values doing WebDriver initialization and navigating to specific urls (we test on different environments Test and SIT). And then our pages and test classes extends this Base class.

Pages: In this we are storing information about pages, it's element and actions that need to be performed. We create class per page (let's say if my application would have 10 pages then I would have 10 page classes.

Test Case: Test Scripts are collection of actions to be performed on a system under test. We write test cases using Java with combination of different types of TestNG annotations such as @Before & After Method, @DataProvider and TestNG Assertions.

Test Data: As per the automation rule, test data should never be hard-coded. Hence we maintain test Data that is required to run a test case in excel sheet and using Apache POI we are handling the excel sheets to data driven testing.

Common Methods: In this we are going to describe the common reusable function for example mouse hover, handling alerts, frames and windows, taking screenshots, explicit waits and javascript executor.

Excel Utility: In this class we store functions to open, read and extract data from Excel

DBUtility: In this class we store functions to open database connections, extract data from database and close any open connections.

Constants: This class holds the information which is static in nature and remains static throughout the entire framework such as path to the configurations and excel files, operating system type.

Screenshot: All the screenshots are captured and saved in this folder and this will help to analyse the failure test scripts.

Test Output: TestNG Reports will be generated successfully in this folder

Maven: We used maven for building, executing and dependency purpose. Integrating the Testng with Pom.xml and running the POm.xml file using Jenkins.

Version Control: We are using GIT for storing all the scripts at a centralised repository.

Jenkins: We are using Jenkins for Continuous Integration. We execute the test scripts on a daily basis or when ever a code push to production. Test scripts are also executed based on scheduled.

4. Tell me you D2D activity or Roles and Responsibilities as testing engineer

Scenario 1:

- Check emails, check user stories status, bug status report, smoke or regression status.
- Attend Daily Stand Up
- Analyze user stories, create manual test cases and prepare test data
- Execute manual test cases, talk to developers, report any found bugs in JIRA
- Automate and execute test cases.
- Update Status in JIRA (Move stories from In Testing to Done)
- Framework enhancement
- Execute Regression before each project release (could every sprint or every other sprint)

- Meetings:
  - ➔ if it is the beginning of the sprint after Daily Stand Up you attending Sprint Planning
  - ➔ if it the end of the sprint you will attend Sprint Demo and then Sprint Retro
  - ➔ we have weekly meetings with entire QA team (QA Manager Test Leads and all testers from different projects that work in the company)
  - ➔ code review - meetings where your will review each other code, learn and improve and make sure everyone follows framework structure and coding standards.

- Ensure that all tested related work is carried out as per the defined standards and procedures.

Scenario 2:

- Understand requirements and application business need.
- Writing Test Cases based on the requirements/user stories
- Automate Regression test cases using Selenium Java.
- Review code that was written by other members of the team.
- Actively participate in regular QA team meetings.
- Perform QA Smoke, Regression, Functional, UI testing.
- Analyze the changes in the new build and update it accordingly.
- Find bugs and generate defects report and reported it to the development team for bug fixing.
- Loggings issues and discuss them with QA manager and developers