**Internship Clearance**

**Watch**[**Tell me about yourself**](https://www.youtube.com/watch?v=fTn2d8uh34Y)**video. Write down your own story.**

Greetings! I am Sakuntala. I have completed my masters in computer application from Mother Teresa University in India.

I always had a passion to work in IT industry from the day I graduated. I was working for couple of years. Due to some life changing events I had to relocate to united states. Because of the immigration status, I couldn’t continue my career as I planned. I was waiting for the opportunity to restart my career. When I was previously working, I had the opportunity to train the end users. At that time, I realized, even though I developed some parts of the application, I didn’t know much about the whole system. So, when I wanted to restart my career, I want to take part in each and every phase of software development life cycle. I have a good ability for analyzing problems and have a good debugging skill. I was talking about it with my friends and they immediately suggested Software Quality Assurance. I did research and I started testing each and every product I saw and began thinking of it. I realized how passionate I am in testing at that time. Since it was a big gap, I wanted to update my skills and have a good quality training. So, I joined Portnov computer school and started my training. This course has boosted my confidence and I loved it.

Since I had been a developer before, I have good debugging and analytical skills. I used my skills in the projects and have found some critical bugs.

One can’t be an outstanding software tester unless one has passion to know each and everything about the application, and QA always ensures that **the compromises are not done on the Quality part**. I want to take responsibility to deliver quality products.

I like to start with manual testing and then advance into automation testing using new tools and technologies and improve myself. I love to work in SQA and would like to challenge myself more by joining the team of professional and strong engineers.

**Tell me about the application you tested and your responsibilities on the project – write down a separate story for each application in your resume**

**Assessment Control for Teachers and Students**

This is my current project which is a portal for educators for assessing the students. In this project, Teachers can assign assignments to the students and students can complete the assignments and it will be reviewed by teacher. I am one of few engineers who started the project from scratch and current roles and responsibilities include various testing activities which started as exploratory testing. I was also involved in functional testing like API testing, back-end Testing, UI Testing, Integration, End-to-End system testing and cross browser/platform testing.

I actively take part in the scrum meetings like daily stand up, planning/ backlog refinement and grooming, Review /Retrospective meeting as my project follows agile methodology. When a story is assigned, I prepare test plan which includes testing strategy, scope, acceptance criteria and estimation/story points and resources. I write the test set and tests (test cases) which includes purpose, precondition, steps to execute the test and expected result in JIRA using x-ray based on the requirements in a way that it covers all the requirements (test coverage). Also, I create Requirement Traceability matrix. Then I review other team members test cases and my test cases are reviewed by other peers. Once the test cases (positive and negative) are written, I prepare test data for each test case.

After the build is ready, I check the environment for testing, do smoke testing for the verification of the build, start executing the test cases and do regression testing. If any defects are found, I log them in JIRA with relevant details like steps to reproduce, data used, test environment, severity, logs and screen shots and recordings if any.

In API testing, I used postman to create the request using the swagger documentation by providing endpoint, header info, path / query parameter, request type, request payload, authorization / authentication details. I verified the response for each request with the expected response, status code and response time. Also, I prepared and executed a collection for end-to-end CRUD flows of API’s. I used SQL queries to verify whether the data is updated in the database in the correct format. In my project, API testing is done prior to the UI testing and this also includes positive and negative scenarios. I used JavaScript scripts, for verification of the response payload, checking the status code, header info and assigning authentication details by setting environmental/ global variables to reuse. I started to automate some of the API test case using Rest Assured which is currently in progress. I also checked the database for the validity and integrity of data. I performed GUI testing and verified the requirements against the actual behavior. I started to automate some of the test cases using Selenium and Java in cucumber BDD Framework.

In my project, Product owner assigns the priority. Then it is assigned to developer. I constantly follow up with developers so that bugs are fixed. I help my peers whenever needed. In sprint review, our team discuss what went good, bad, ugly, what can be improved. If any improvements have to be taken, I take necessary steps. This is an ongoing project and we are in the process of enhancing it with various new features.

**Looking Bus – Mobile testing**

Looking bus is an application which alerts riders and drivers with the priority to board / exit the bus with no one stranded at the bus / stop. It helps the people with disability to reserve a trip. When a trip is reserved, the system notifies the driver that rider is waiting in the particular bus stop. Driver can then make sure that they get in the bus. When it is time to get down the bus, driver is notified and this helps the riders to be on their schedule.

This is a mobile application developed in both iOS and Android. I was involved as active member in the testing team. Our team followed agile model for this project and we have sprints every 2 weeks. As said before, Once Epic / Story is assigned to QA, I prepare the documents like test plan and test cases for that story and using JIRA, I used to enter test cases / tests under test Set which is linked to precondition and the story. For mobile I did only black box testing. Once the tests are logged, it will be reviewed and I start to prepare test data. Once data is ready and installation package is available, we tried to install the application either in Android / iOS depending on the Story and start executing the test cases. If any bugs found, I log it in the JIRA with relevant details like log report / crash report, screen shot, screen recording and steps to reproduce. There are also some suggested enhancements which I filed.

After the functional testing, I did Interruption testing (incoming call, messages, notifications, Battery etc.), usability testing, network and compatibility testing by testing in various platforms and configurations. I was mostly testing in Android environment using emulators, real devices and device forms. I used the command line tool adb to take log / crash report, bug report and screen recording and screen shots. Also, I was involved in End-to-End testing.

**Quote**

This is the web application which I was testing when I joined this company. It was a great learning experience as I was involved in automating the application end to end using Selenium and Java in BDD cucumber Framework. I was involved from the beginning of the project and written test cases and executed them in various platforms and browsers. After all the test cases are executed, checked the details in database using SQL queries. Used JIRA for the documenting Stories, Sub task, test cases, bugs.

**Flea market**

This is the ecommerce application. This includes all the functionality for buying some products and has many features such as login, shopping cart, order and payment confirmation. Payment module is done by different team and so I was only involved with the features till shopping cart. My role includes test case creation, test data preparation, execution and raising bugs if any. Our team follow the same method of testing like other projects. I did only manual black box testing for this project.

[**Why QA**](https://youtu.be/iNFYpMjj2Ds)**– write down 3 reasons**

* 1. My passion to know about the applications, how the software works end to end, my skills to suggest improvements and analyzing risk involved, responsibility in delivering good quality product made me choose QA.
  2. Testing/QA is not limited to any technology and you get to learn new things constantly. You can work in multiple technologies. I would like to learn and work in multiple technologies so that I can grow as well as the company.
  3. It is challenging. QA is not easy. There are puzzles and problems to solve constantly. My ability to learn faster and finding root causes for the problems made me to become SQA. Moreover, I love to test and deliver a quality product.

**Write 2 bug reports from any of your projects**

1.Critical bug raised in Mobile Testing –

<https://jira.portnov.com/browse/MF011222-627?filter=11264>

**Summary:** My Reservations are different in iOS app and Android App with same User credentials

**Description:**

**Prerequisites**:

* App installed in iOS and Android Devices
* Valid credentials are created

**Steps**:

* Launch Looking Bus Rider App in iOS device
* Login with valid user credentials
* Select Origin and Destination
* Reserve a trip
* Repeat Steps 3 & 4 for more reservations
* Click My Reservation

---------------------------------------------------------------

* Launch Looking Bus Rider App in Android device
* Login with same user credentials
* Select Origin and Destination
* Reserve a trip
* Repeat Steps 3 & 4 for more reservations
* Click My Reservation

**Actual Result:**

Reservations made in Android device is not shown in iOS and Reservations made in iOS are not shown in Android devices for the same user.

**Expected Result:**

Reservations made by same user in different devices (iOS and Android) should be shown when clicked on "My Reservation"

**Severity : Critical**

This is one of the critical bugs I logged during Mobile testing. This is about the same user using different platforms like android and iOS devices. It doesn’t update reservations added in Android with the reservations added in iOS for the same user. I filed the bug with screen shots and the environment details how I tested.

2. App crashed during Interruption Testing

https://jira.portnov.com/browse/MF011222-594?filter=11264

**Summary**

App crashed when Alarm and Looking Bus Application is used

**Description:**

**Prerequisites:**

* Looking Bus Rider Application is installed in the testing device / emulator
* Valid credentials are created and available

**Steps:**

1. Set an alarm after 5 min.
2. Launch Looking Bus Rider app
3. Login with user credentials
4. Select Origin and Destination
5. Click Reserve.
6. snooze / dismiss when alarm rings.
7. Click on "My Reservations" from Looking Bus Rider application

**Expected Result:**

* User should be able to continue using Looking Bus Rider.

**Actual Result:**

* App crashed

**Severity : Critical**

This is one of the critical bugs I logged during Mobile Interruption testing. I filed the bug with crash logs and the environment details how I tested.

I raised many high priority bugs in Flea market (I couldn’t take the link as project is not accessible in JIRA) as well as Quote. The user couldn’t place the order and the items were deleted when changing the quantity. I attached all the relevant information like screen shots to help developer in fixing the bug.

**Watch**[**Do you have questions for me video**](https://www.youtube.com/watch?v=DoTmR8YyqQ4)**. Find an actual Job posting, provide the link to the posting and 3 questions to an interviewer**

1. How will be a typical day in the project for the candidate to be hired and what do you expect from them at the end of sprint / two weeks.
2. What is the project about and is there any scope for Automation? If so, what is the language used for automation scripts? Is it enhancement project or a new product?
3. What is the QA process and technologies followed in the project?

**How would you test a water bottle/vending machine/microwave/remote control/your smartphone camera – pick one. Use**[**How would you test a toaster?**](https://www.forum.portnov.com/forumdisplay.php?21-Software-QA-Testing-Interview-Questions)**as an example; make sure to split the list of scenarios by testing types**

Remote control:

First, I would like to know about the product associated with this remote control, and customers who will use this remote.

In case of TV remote,

1. Specification test cases
   1. Verify material in which remote control is built as per the specification
   2. Verify weight of the remote control
   3. Verify dimensions of the remote control
   4. Verify whether all the buttons are available and it has characters as per the specification
   5. Verify whether brand name of the product is displayed
   6. Verify the function of tv remote when wrong battery types are used.
2. Functionality
   1. Check when inserting specified batteries, user can perform any operations.
   2. Verify the functionality of Power on / off button
   3. Verify it works only on the particular device and linked with only this particular device.
   4. Verify user can navigate to different channels with single digit / multiple digit
   5. Verify user can increase / decrease the volume
   6. Verify the functionality of various input functions
   7. Verify the functionality of different menus can be accessed with remote
   8. Verify the functionality when button is pressed down and released
   9. Verify the spacing between the buttons and user should be able to differentiate between pressing different buttons
   10. Verify there is different colors in the button for different functionality
   11. Verify when TV is switched off, remote control operations doesn’t affect when it is switched on
   12. Check when battery low options are indicated in tv
   13. Check whether it works as expected when new batteries are inserted
   14. Check whether tv can be switched on / off when using remote.
   15. Check whether it is working / not when infrared signals are masked with some tape if visible infrared signal is used
3. Boundary
   1. Verify the functionality when two or more buttons are pressed simultaneously
   2. Verify the functionality when a button is pressed continuously
   3. Check whether how much weight can be applied on the remote control?
   4. Check whether it is working when dropped from some height
4. Performance
   1. Check whether using it for long time, it heats up
   2. Verify the pressure required for pressing the button
5. Security
   1. Check whether it is water proof
   2. What happens when put in water for couple of mins?
   3. When some liquid falls on the remote, will it affect the functionality
   4. Check safety features when kids are used like no sharp edges
   5. Check whether batteries not accessible easily for kids
6. Accessibility / Usability testing
   1. Verify the letters/ symbols are readable
   2. Verify whether remote control is accessible for all kinds of people (braille info available for numbers)
   3. Verify whether the color of the alphabets are accessible for visually challenged persons (in case of color blindness)
   4. Verify maximum distance from television the remote-control works
   5. Verify how close (min distance) it can work
   6. Verify when using remote control in different angles works as expected
7. Internationalization
   1. Check whether instruction manual is available for using remote control in all expected languages
   2. If made for particular locale, check the language printed in remote / whether it is universal language used?

**Write test cases for password creation functionality, given the requirements below:**  
– Password is at least8 characters long  
– Password contains at least one upper-case and one lower case letter  
– Password contains at least one digit  
– Copy-pasting into the password field is disabled  
– Password is masked

*-Attached Excel file contains the test cases.*

[**https://docs.google.com/spreadsheets/d/1qY-Pa9xt29U-K-3aU9i3sVhxC5VPz6p1/edit?usp=sharing&ouid=113743398659917370950&rtpof=true&sd=true**](https://docs.google.com/spreadsheets/d/1qY-Pa9xt29U-K-3aU9i3sVhxC5VPz6p1/edit?usp=sharing&ouid=113743398659917370950&rtpof=true&sd=true)

**How would you test with and without requirements?**

***With requirements***

* Review test plan
* Write test cases based on requirements using the testing techniques and make sure to include negative test cases
* Review the test cases with your peers and get approval from product owner / lead
* Preparing traceability matrix for test coverage.
* Preparing various test data based on the test cases
* Document them in the project management tool
* Building the test environment when the build is available
* Do the smoke testing to make sure that there are no blockers
* Execute with various browsers/ platform
* File the bugs with all the details like log, screen shot, if possible, screen recording, crash reports, how to reproduce steps
* Follow up on the filed bugs and make sure that the bugs are resolved / fixed
* If any suggestions, provide feedback to the team for enhancements
* Automate the parts which can be automated

***Without requirements***

* Do exploratory testing, explore and learn the product. Check whether any market requirement documents available with product owner.
* Using the existing domain knowledge to know about the product
* If any questions, ask them in the meetings.
* Also, you can talk to dev team for knowledge transfer of the application.
* Research similar applications to know what is expected
* If source code is available, I can walk through the code to understand the logic behind it.
* Prepare test plan which includes strategy, resources, estimation and scope
* Prepare test cases.
* Develop Test environment
* Execute the test cases
* Before filing a bug (reproduce multiple times), communicate with other team members which includes developers/ product owner to avoid the ambiguity (What I think as bug may be a feature and what I think as a feature may be a bug)

**Point out bugs you see on the screenshot below**

* Currency displayed is different.
* Europe by Train at the bottom includes HOTELS which is not appropriate
* Accommodation at the bottom includes EURAIL which is irrelevant
* Under Student Flight details, the text displayed is in different language
* Find a Store in headers is irrelevant as it is a site for booking flights and hotels
* 100$Off Dubai doesn’t include Dubai pic instead it includes Rio de Janeiro
* Take an Extra $100 OFF for student flights (appropriate wordings must be present)
* Students, Under 26, Adults 27+ labels should be renamed as Children, Under 16 and Adults 17+
* Spring Break in the menu bar is irrelevant. Don’t know what is ISIC
* Contact US is included in header as well as Top menu
* Top header menu – Find a Store | Contact Us | You are at SQA Travel UK

: Near Contact US and SQA Travel UK, there is an icon like Drop down which is confusing.