

INTERNSHIP ON SOFTWARE QUALITY ASSURANCE

BY

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This Report Presented in Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in Computer Science and Engineering

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APPROVAL

This Internship titled “**Internship on Software Quality Assurance**”, submitted by **Sumal Chakma**, ID No: **213-15-4500** to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on **July 16, 2024**.

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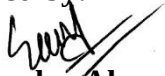
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DECLARATION

I hereby declare that this project has been done by us under the supervision of **Md. Sazzadur Ahmed, Assistant Professor, Department of Computer Science and Engineering, Daffodil International University**. I also declare that neither this internship nor any part of this internship has been submitted elsewhere for the award of any degree or diploma.

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I would like to express our heartiest gratitude to the **Head of the Department of CSE**, for his kind help in finishing our project and also to other faculty members and the staff of the Department of CSE, Daffodil International University.

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Finally, I must acknowledge with due respect the constant support and patience of our parents.

ABSTRACT

SQA means Software Quality Assurance, and in the rapidly developing world of today, such a profession is indispensable since it is solely responsible for ensuring the reliability, functionality, and usefulness of the products that are software. Stressing the usefulness of the SQA in reducing risks, enhancing the customers' satisfaction, and the flow of the development, this abstract overview the concepts and processes of the methodology. Some of the important points of discussion are about the purpose of SQA; it is involved in the formation of standards, conducting assessments and performing the tests that detect and correct the flaws in the developmental phase. In addition, to illustrate that SQA is capable of dealing with dynamic software environment, the abstract also covers on how SQA can be integrated with agile and DevOps. Efficient SQA techniques allow organizations to obtain a high-quality software, reduce the costs of its maintenance, as well as develop a continuous improvement process. In the following abstract of this paper an introduction of SQA is given to shed some light on the topic at hand.

Keyword: Software Quality Assurance, Reliability, Functionality, Risk reduction, Testing.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

SQA stands for Software Quality Assurance and it can be regarded as the primary framework for the effective creation of dependable software products that would meet the set standards and consumers' requirements. This way, SQA contributes to the improvement of software quality throughout the SDLC via systematic means of testing, refining, and following the industry standards. This way, by concentrating more on prevention than cure, SQA actually minimizes defects and optimizes effectiveness for customer satisfaction. Today, SQA becomes a key factor in the provision of qualitative, secure, and functional software products for customers and users.

1.2 Motivation

My interest in quality assurance is driven by its role in significantly improving the likelihood of delivering software that is both high in quality and reliably free of errors to our customers. This ensures their satisfaction and trust in our products, fostering long-term relationships and success for our team and organization.

1.3 Objectives

Thus, the purpose of software quality assurance is to systematize the assurance that software products meet specified quality requirements using best practices, testing, and continuous feedback. This enhances security, reliability, and, consequently, consumers' satisfaction while reducing threats and maintaining the organization's image in a fiercely competitive environment.

1.4 Background

Software testing is a process that seeks to check the validity and accuracy of the system requirements and behavior. It also gives an impartial and independent report on the software to the companies that will enable them understand the hazards of implementing the software. Software quality assurance means a set of activities aimed at defining standards that would help in producing high-quality software. Its primary objective is to guarantee that the deliverables, which is software in this case, produced offers what is required by the project. To ensure that the completed program is of high quality as prescribed by the quality standards, SQA is an activity that is integrated in to the Program Development Life Cycle (PDLC).

SQA steps are employed in various software development methodologies. And are being used in virtually all software development processes. SQA uses and integrates various strategies in relation to testing a program. Unlike quality assurance which is conducted after full development of software, SQA is conducted from time to time to check for quality standards. It makes certain that the software development process is only moved to the next level when the present level meets some set quality standards. SQA most often relies on one or more industry standards that vary in the development of the software quality directions and practices.

1.5 Report Layout

This begins with the format in which the report is delivered. How did it evolve to this format? I thus focused more on these four chapters which include;

Chapter 1 contains the history of the selected subject, the reasons for its selection, the goals of the research, and the context of the internship.

Organization Overview and Activity in “Chapter 2” The Organization Overview and Activity are covered in chapter two of the current study.

My general implementation at the time of the project is mentioned in chapter 3. The above was what I developed for the whole project.

Conclusion and Future Scope in "Chapter 4": Conclusion This web-based initiative in the men's movement is discussed in Chapter 4 where topics such as the project closure and the next steps are discussed.

CHAPTER 2

ORGANIZATION OVERVIEW AND ACTIVITY

2.1 Organization Overview

To customers, we provide diverse software services due to the nature of our business as a software development company. With regard to this, our area of interest is testing of web and mobile applications, serving both local and international clients. Creative Soft Technology Limited is one of the leading software industries located in Bangladesh. Relative to a client's demand, they employ different types of SDLC models to build software.

2.2 Company Profile

Creative Soft Technology incorporated in January 2015, has grown to be one of the most competitive companies offering IT services. To be precise, Creative Soft Technology emerged for providing packages, website creation and development, online marketing, and business advice to Small, Medium, Large and Blue organizations. Besides, Creative Soft Technology also engage in providing information technology service and product for private agencies, local government, and federal government bodies. More than 20 clients and partners will be enrolled by the end of the year 2022 and more than 50 successful projects will be completed. Due to the huge efforts of the staff members and management teams, Creative Soft Technology has executed several big projects in the last few years with excellent results.

2.3 Vision, Mission and Values

Our focus and our goals are the consequence of our corporate thinking as well as our desire to render prospective IT services. All of them have faith in, create and conceptualize best-of-breed software development along with web design services which are contributing directly to the customer's general success and return on investment of our customers must be highest.

2.4 Statement

The following statement is hereby affirmed to be true and attachments are true copies of the original: We of Creative Soft Technology Limited. We thus verify and affirm that there is therefore currently no court order in operation that bars any individual, business or employee from executing or performing contractual relations with any private or any governmental entity in the nation.

2.5 Company Clients

- ANSAR-VDP
- Bangladesh Krishi Bank
- Asia Youth Conclave
- United Nations Development (UNDP)
- Sastho.bd
- The World Bank
- Bangladesh Gov. Parliament
- A2i
- Hotel sea cox

2.6 Service Area

Software Development

Mobile Application Web Development

- Corporate Web Development
- Single Page Application
- Web Portal Development
- Web Application Development
- Website Re-design and Development
- Developing Business Plan

Domain & Hosting Solutions

E-commerce Consultancy

- Support the Acquisition of New Tools and Processes
- Enhance Customer Satisfaction
- Performance improvement for Employees

- Increasing Revenue and Sales

Digital Marketing Solutions

- Search Engine Optimization (SEO)
- Franchise SEO
- Local SEO
- AD Marketing
- Content Marketing

SQA & Testing

- Organized Test Plan
- Manual Testing
- Automation Testing
- Experienced Test Team
- 100% Client satisfaction

Social Media Management

- Client Management
- 24/7 Customer Service
- Order & Sales Management

2.7Activity

Creative Soft Technology Ltd. gives me a nice atmosphere for working and has interest to me as the large client. Interns have an opportunity to advance their knowledge by studying and working on projects on their own. Before that, I worked at Creative Soft Technology Ltd. as an intern of the Software Quality Assurance Team.

2.8 Work Load

The given task is assigned for each intern in order to establish a proof of professionalism and to achieve the enhancement of knowledge in a chosen category based on knowledge. It is for this reason that the first and arguably the most critical task of an intern working in the SQA department is to understand what SQA means. I also helped my mentor in making a list of all the defects found in the project and submitting a turned in copy to him.

My task was to learn test case development, functional testing, non-functional testing and UI design at the start. I learned and got the basic idea from the training session and then I started applying it in some live demo projects and report it to my mentor.

She checked all my works and showed my mistakes. Finally, I got assigned to some big real- life projects. My parts were to write down the test cases for a specific function, finding bugs on some features and some similar works which directly helped my team leader to complete the projects.

I had sessions with the mentor for 2 or 3 times a week to go through works that I presented as more complicated and evolved. I also make sure that I show a problem that I can solve especially for the assessment that I am undertaking.

CHAPTER 3

ROAD TO SQA AND TESTER

After a few days, I started working as an SQA and picked up new techniques for software testing. I started by creating test cases, and then I conducted both functional and non-functional testing. I have continued to use the new abilities I acquired as an SQA ever since. I worked on some of the teacher's assigned exercises when I left the room. I was working on projects with practical applications when I was promoted to the main SQA team at that point.

3.1 Test Case Development

One of my first challenges was adapting test case development. I learned the conditions and rules for writing test cases. Firstly, I used random test case templates. After practicing test case writing, when I got used to it, I created my own template in an Excel file. I practiced a lot, and it helped me understand how to analyze the requirements, identify test scenarios, define test objectives, determine test data, create test steps, specify expected results, actual results, and status.

3.2 Functional Testing

functional testing is a subset of software testing which ensures that all the functions of a particular software application perform as per the requirements. It is the process which comprises of feeding the application with inputs and checking the result that is produced. The main objectives of functional testing are to verify and validate that each function in the software is functioning as designed and as per the behavior specified in the business requirements or user stories. Some of the testing types that can be employed in this type of testing are Unit testing, Integration testing, System testing, and Acceptance testing each of which is aimed at a certain level in the software architecture. The goal of functional testing is to find defects or invalid variations of the system in the earlier stages of the development process and make the corresponding corrections in order to improve the product's quality and reliability. Shown in figure 3.2.1

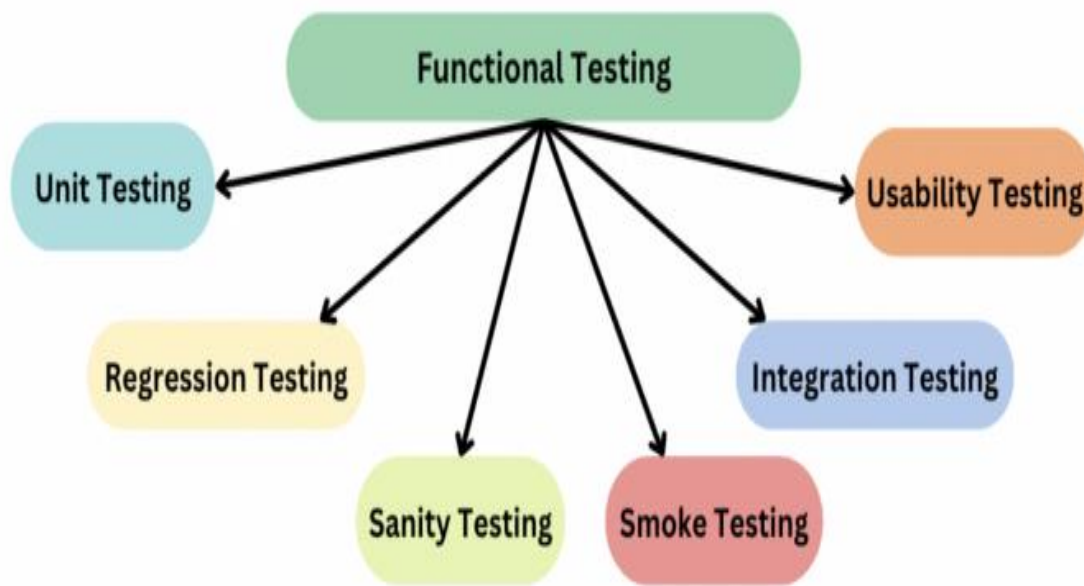


Figure – 3.2.1 Functional Testing

3.3 Non-Functional Testing

Non-functional testing is in other words testing of qualities of an application that are not functions of the application. Some of them include: speed, dependability on the network, flexibility in processing orders, safety of the network, and extensibility.

1. **Performance Testing:** Mimics the real-life environment of the particular system and checks how well it can perform according to loads, stress or volumes.
2. **Reliability Testing:** Point out how maintainable the software is that is, how long it may be used for a continuous run until it begins to fail or produces errors.
3. **Usability Testing:** Regarding ease, in relation to how easy it is to access the given resource, and if the user gets easy access to the product.
4. **Security Testing:** Assesses threats and assesses opportunities of the system regarding to protection of information and other resources from threats or threat agents.
5. **Scalability Testing:** Approaches to test whether the number of users who can simultaneously use the system does not affect the site's performance.
6. **Compatibility Testing:** This coalesces to affirm how the software can work in operating systems, in gadgets, in settings.

Non-functional testing is not only used to check compliance with functional requirements, but also other specific criteria, for example, usability reliability, etc. owes one of its key missions to ensure reliability of total quality of the developed software application. As shown in figure 3.1.1



Figure – 3.3.1 Nonfunctional Testing

3.4 Manual Testing

In instances when software applications or systems are tested manually or in other words, without the aid of automated testing tools then such test cases are performed by a human. Testing manually implies that the testing is performed by the tester, who actually interacts with the interface of the program, inputting data and judging the outcome based on set parameters and testing scripts.

1. Test Case Design: Testers create scripts where they note down the steps to take for testing and the expected results. These cases are founded on requirements, specifications or user stories.

2. Test Execution: To ensure that the software is built robust, and functions properly, testers execute test cases on basis of the recommended flow, enter values, and watch the responses.

3. Defect Reporting: While testing, faults or any kind of deviation that the tester finds is documented and the details provided may include.

Here is a test case scenario and a picture of a test case for manual testing. Shown in 3.4.1 and 3.4.2

Test Scenarios Login Page

1. Verify that the login screen is having option to enter username and password with submit button and option of forgot password
2. Verify that user is able to login with valid username and password
3. Verify that user is not able to login with invalid username and password
4. Verify that validation message gets displayed in case user leaves username or password field as blank
5. Verify that validation message is displayed in case user exceeds the character limit of the user name and password fields
6. Verify that there is reset button to clear the field's text
7. Verify if there is checkbox with label "remember password" in the login page
8. Verify that the password is in encrypted form when entered
9. Verify that there is limit on the total number of unsuccessful attempts
10. For security point of view, in case of incorrect credentials user is displayed the message like "incorrect username or password" instead of exact message pointing at the field that is incorrect. As message like "incorrect username" will aid hacker in brute forcing the fields one by one
11. Verify the timeout of the login session
12. Verify if the password can be copy-pasted or not
13. Verify that once logged in, clicking back button doesn't logout user
14. Verify if SQL Injection attacks work on login page
15. Verify if XSS vulnerability work on login page

Test scenarios for Registration Page

1. Verify that all the specified fields are present on the registration page
2. Verify that the required/mandatory fields are marked with * against the field
3. Verify that for better user interface dropdowns, radio buttons and checkboxes etc. fields are displayed wherever possible instead of just textboxes
4. Verify the page has both submit and cancel/reset buttons at the end

Figure – 3.4.1 Test case scenario for login and registration page

Shwapno.com webpage reg form Test_Cases - Excel

Search (Alt+Q)

Sumal chakma

FileHomeInsertPage LayoutFormulasDataReviewViewHelpAcrobat

Clipboard

Font

Alignment

Number

Styles

Cells

Editing

Calibri10A

BBIU

General

Conditional Formatting

Format as Table

Cell Styles

InsertDeleteFormat

AutoSum

Fill

Clear

Sort & Filter

Find & Select

G1

X

✓

fx

16/04/2021

	C	D	E	F	G	H	I	J
1	Shawpno.com	TC Start Date	16/09/2021	TC Execution Start Date	16/04/2021	TEST CASE SUMMARY		
2	Shawpno.com website login test cases	TC End Date	18/09/2021	TC Execution End Date	18/04/2024	PASS	20	
3		Test Case Developed By	Sumal chakma	Browser (tested)		1 FAIL	1	
4	x	Test Case Reviewed By	Abdullah Al Fahad	Performance (tested)	No	WARNING	0	
5	Fahad						TOTAL	21
6	Test Data	Step Description	Expected Result	Actual	Status	Remarks		
7	Url: https://www.shwapno.com/	1. Launch shawpno.com website	Application should be successfully loaded the url.	As expected	PASS			
8	LOGIN WITH MOBILE	1. Launch shawpno.com website 2. Click on "LOGIN" 3. Check "LOGIN WITH MOBILE" text	Application should successfully show "LOGIN WITH MOBILE" text.	As expected	PASS			
9	Mobile number input field	1. Launch shawpno.com website 2. Click on "LOGIN" 3. Check "LOGIN WITH MOBILE" text 4. Check mobile number input field	Application should be show mobile number input field	As expected	PASS			
		1. Launch shawpno.com website 2. Click on "LOGIN"						

Test Cases fo shawpno login

Test Cases for shawpno Regis

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Type here to search

84°F

1:05 PM 5/21/2024

Figure – 3.4.2 Manual Test Case

3.5 API Testing

API testing is one of the essential sub-processes of software testing that is defined as the process of determining the functional, reliability, efficiency, and safety of the functional units or identifiable parts of the Application Programming Interfaces. In order to prove the functioning of APIs as expected in different scenarios, one needs to evaluate the interaction between two software products. Some of some duties that should be performed by testers are including functional testing, parameter testing, error handling evaluation and request and response validation, performance testing and security testing. API testing has brought benefits such as; One can replicate API testing anytime since the outcome is always the same, it is fast compared to other testing approaches, and can be done manually with help of Postman or automatically with Reserved.

Here are API testing test case and dashboard of postman shown in figure 3.5.1 and 3.5.2

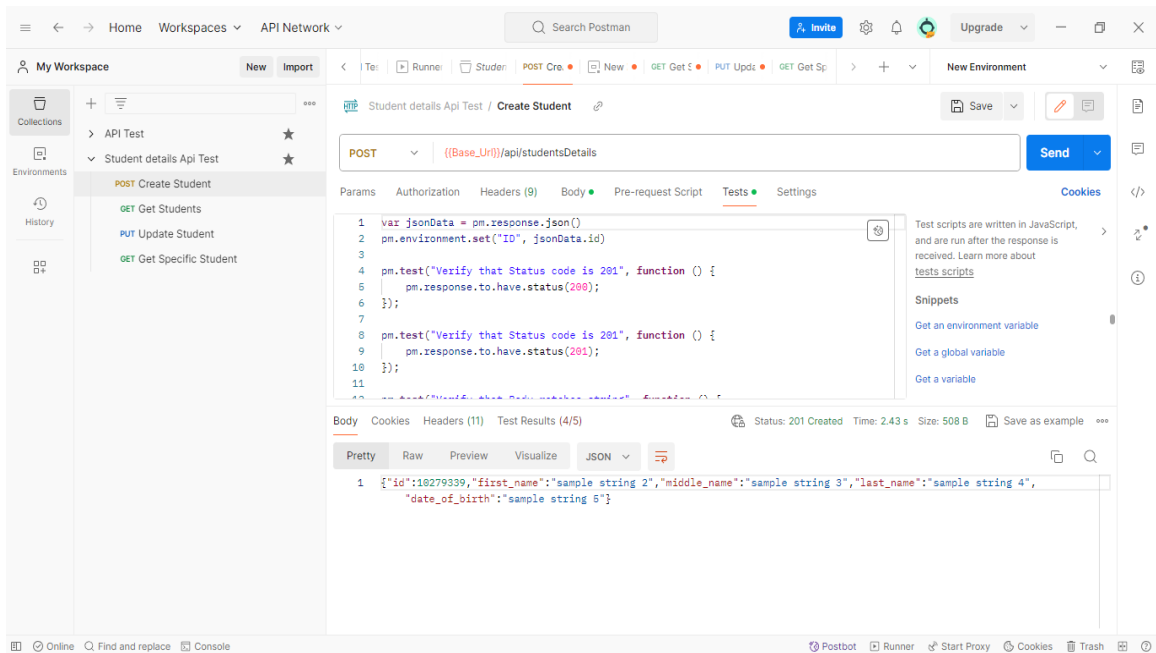


Figure – 3.5.1 API testing test case

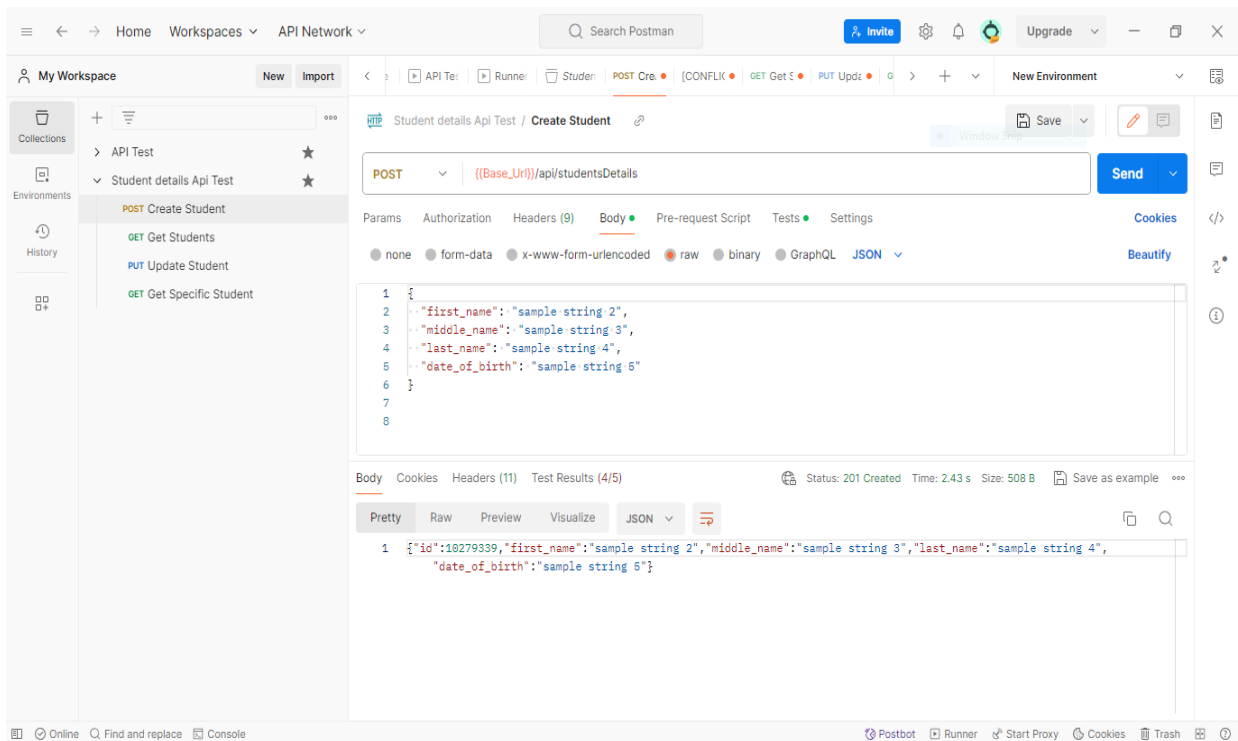


Figure-3.5.2 Dashboard of postman API testing tool

3.6 Performance Testing

The intent of performance testing is to determine the capability of each component of a system in relation to certain tasks. In order to ensure the validity of information, which is received during the testing process, many components of the tested system are watched.

We can classify one kind of non-functional testing as the performance testing. Its purpose is to incorporate performance requirements into a system and its conception, structure, and embodiment.

Attributes of performance testing: The four important R's Reliability, Scalability, Stability, Speed.

Tools for performance testing: Log file analysis, net load, JMeter, open module, sta and others.

Performance Testing Techniques:

Load testing: Is used to define how an application performs anticipated user interactions. This means that the identification of growth areas in performance has to be achieved before the software application is taken live.

Stress testing: This type of testing assesses how well the application performs under pressure or a large volume or transaction or data intensity Load testing Application testing involves putting the application to test under pressure in order to see how it performs. The purpose is to assess at what point least one component of a given application, or the application as a whole, will begin to weaken.

Endurance testing: this is done in order to ensure that the program can be as a one that shall be able to endure a test of endurance and is capable of running for longer periods of time and with the expected level of traffic.

Spike testing: Dictates how often the program is used in addressing sudden flow increase due to the users.

Volume testing: Another large portion is also included in Volume testing Extremely Consequently. On a database, data are placed and relationships in the whole software program analyzed. The testing objectives are to determine how successful running of different kinds of solutions is in given settings.

When interpreting the graph results, there are two figures that should attract your most focus regarding the load and performance of the tested web server.

- Amount Throughput
- Deviation

The most important of which is the throughput. It can see how efficient the server is or how well it can handle a large workload. Throughput is a measure of number of clients that can be served within a given time and server performance increases as through put increases.

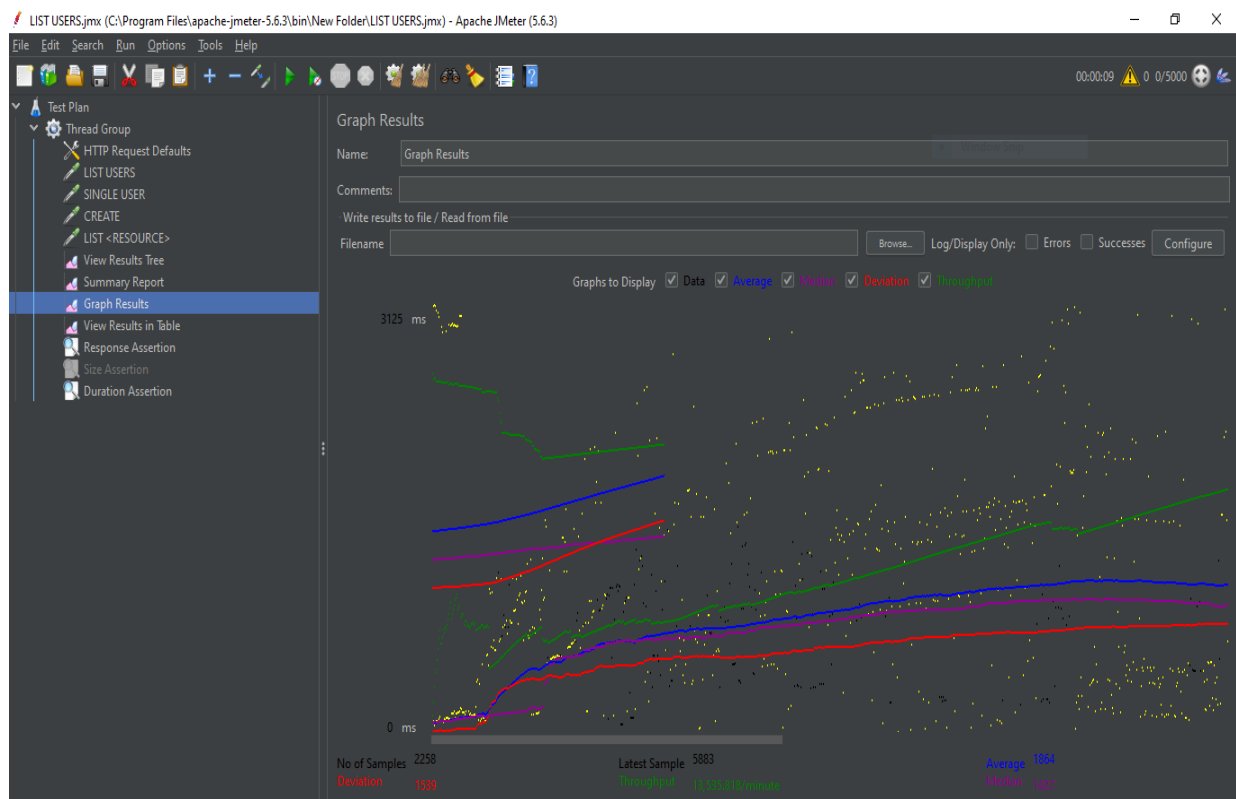


Figure-3.6.1 Load Testing a user list

The throughput of the List user in this test is calculated 13,535.818/minute. Therefore, 1,491.193 number of queries can be answered by a List user in a one-minute time period. Considering this value we can observe that it is relatively high and as a result we can state that the List user is quite effective. The red shaded part of the display represents the

deviation from the mean. Smaller is preferable.

Stress Testing: When being within the thread group, one is expected to give a response assertion. It is among the most important steps you need to do as it helps you to ensure a given request's response in your software load test plan.

For the response code 200, we were going to use response assertion, we will make an assertion for 200. Where the www (World Wide Web) did not reject your HTTP request, then the response code which shows confirmation of the request is 200. If you are to change the value from 200 to any other numeral, the status of the test would change as well.

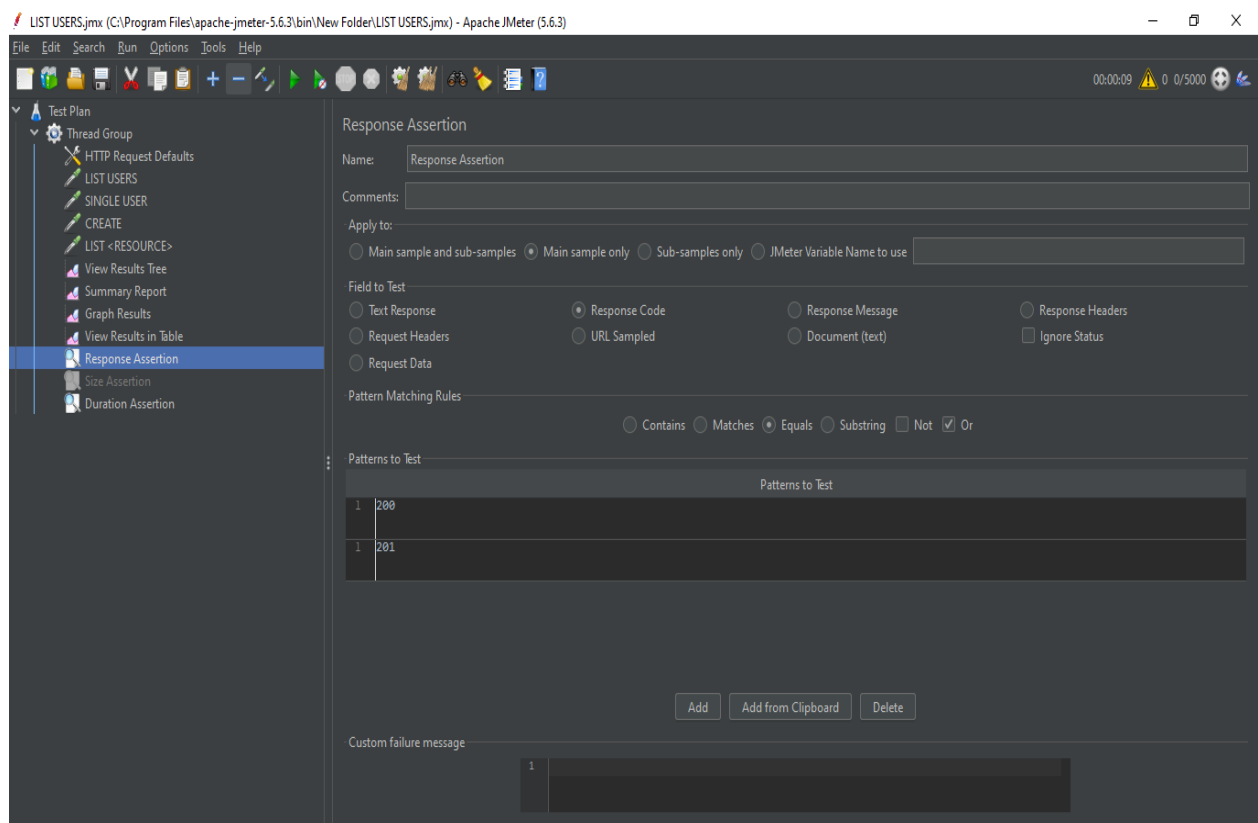


Figure-3.6.2 Stress Testing a user list

Endurance Testing: Suppose, we have a requirement to run test for exactly 1 hour with 5000 users. How many I configure In JMeter with exactly 5000 users in 1 hour? Shown in figure-3.6.2

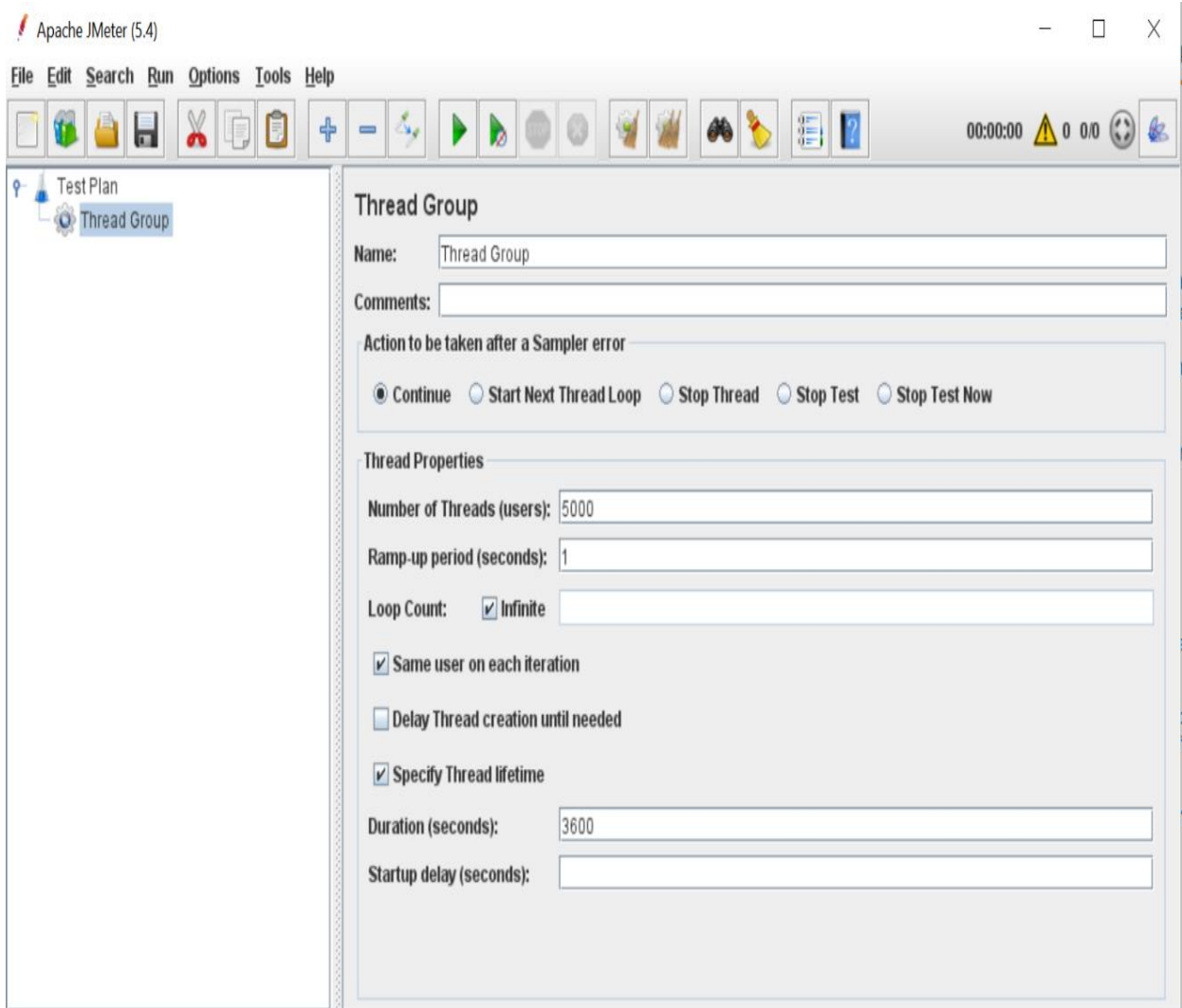


Figure-3.6.3 Endurance Testing

3.7 Distributed Testing

Distributed testing on the other hand, is act of performing stress testing on several systems in order to increase reliability. If one has to test website and server programs that are dealing with multiple clients at a time, distributed testing is employed.

Distributed testing uses client-server model as the figure below:

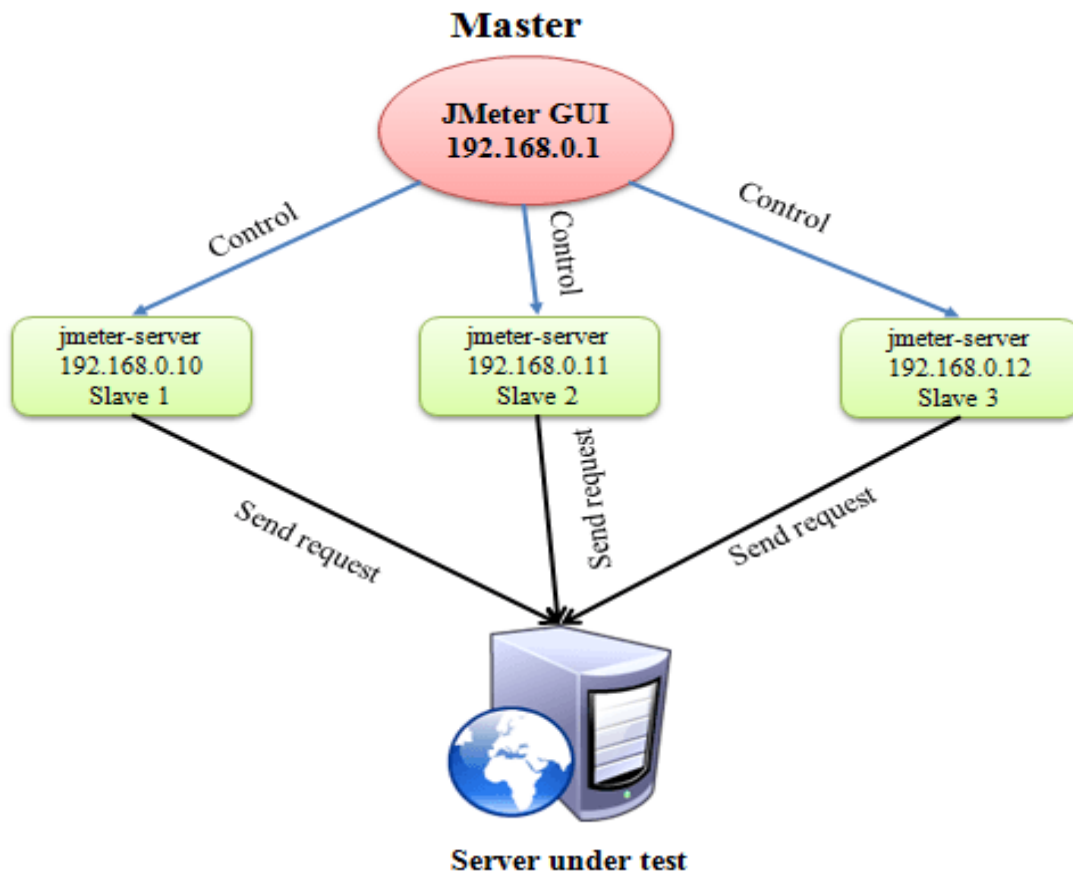


Figure-3.7.1 Distributed testing model

All steps of how to sets Master, Slave and Target.

Step 1: Setup Master

Added remote system's Ip in JMeter. Properties

Here our master slave is default remote host=127.0.0.1 of JMeter.

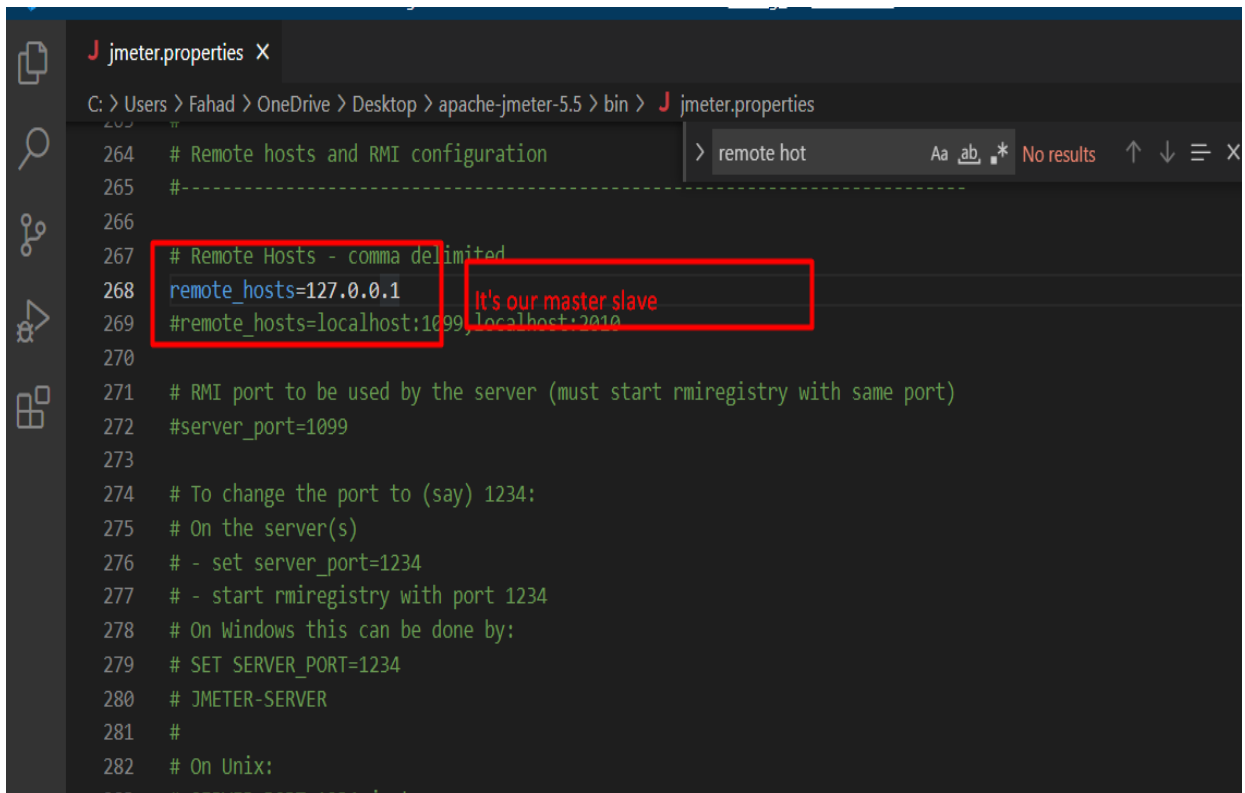


Figure-3.7.2 Master Slave

for example, I set my own computer IP as a slave in JMeter. Properties file. We can add more slaves with any Ip address. My computer's Ip is 192.168.0.111

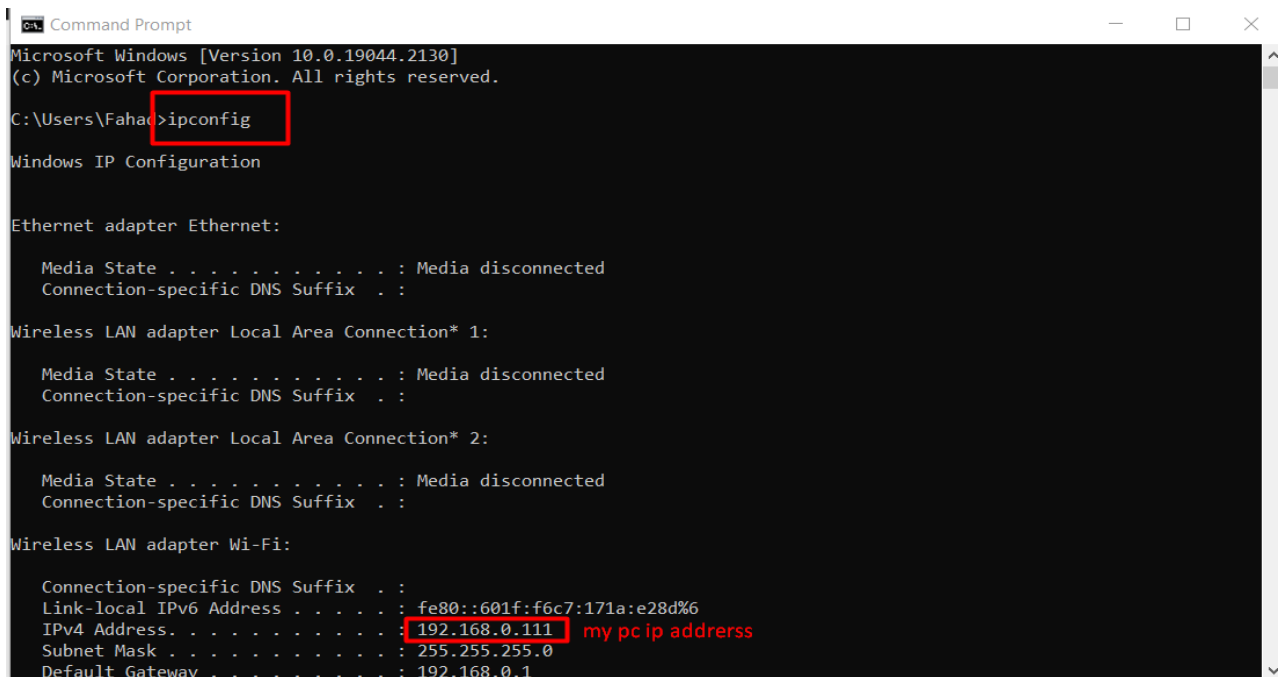
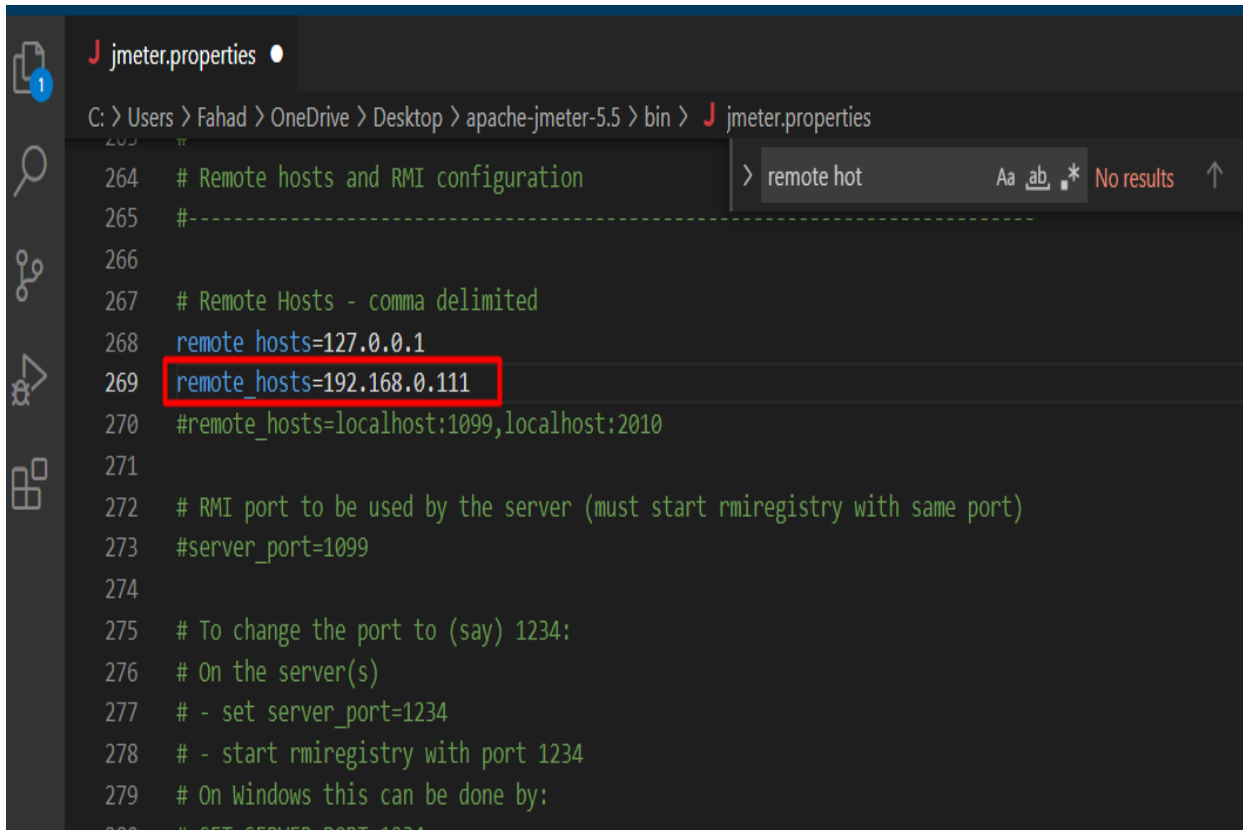


Figure-3.7.3 Ip Configure

I set my computer's IP in JMeter. Properties file as a remote hosts/remote slave. If we have more Ip then we set like `remote_hosts=192.168.0.111,192.168.0.112,192.168.0.113` in JMeter.

Properties file:



```
J jmeter.properties
C:\Users\Fahad>OneDrive>Desktop>apache-jmeter-5.5>bin> J jmeter.properties
264 # Remote hosts and RMI configuration
265 #-----
266
267 # Remote Hosts - comma delimited
268 remote_hosts=127.0.0.1
269 remote_hosts=192.168.0.111
270 #remote_hosts=localhost:1099,localhost:2010
271
272 # RMI port to be used by the server (must start rmiregistry with same port)
273 #server_port=1099
274
275 # To change the port to (say) 1234:
276 # On the server(s)
277 # - set server_port=1234
278 # - start rmiregistry with port 1234
279 # On Windows this can be done by:
280 # SET SERVER_PORT=1234
```

Figure-3.7.4 Remote Host

Step 2: create KeyStore file

run `create-rmi-keystore.bat` / `create-rmi-keystore.sh`

```
C:\WINDOWS\system32\cmd.exe
Enter the distinguished name. Provide a single dot (.) to leave a sub-component empty or press ENTER to use the default value in braces.
What is your first and last name?
[Unknown]: rmi
What is the name of your organizational unit?
[Unknown]: A
What is the name of your organization?
[Unknown]: B
What is the name of your City or Locality?
[Unknown]: C
What is the name of your State or Province?
[Unknown]: D
What is the two-letter country code for this unit?
[Unknown]: BD
Is CN=rmi, OU=A, O=B, L=C, ST=D, C=BD correct?
[no]: yes
```

Figure-3.7.5 Create rmi keystore.bat

appellation: rmi

Password: alterit

Step3: Start the JMeter-server file in the remote slave framework

Step 4: Run and Assert the command line exec and the GUI

Important advice: All systems: – have JMeter installed on them (master and slaves) ; – have Java installed on them (preferably, with the same version); There is no issue with the connectivity between all the systems, as they are on one subnet; Still, there is no need to copy the JMeter script (jmx) to the slave systems.

- If you want to use two slaves and have 100 users. Allocate for each one a no of 50

CHAPTER 4

CHALLENGES

4.1 Academic Preparation

The theoretical knowledge from the academic also contributes to my self-confidence in the SQA profession and in bringing about a fast solution to problems.

4.2 Identified

The main tenet of the research was to construct and understand how a short problem can be managed within the scope of a term while following the correct process. to obtain and detail development architecture programs that will enhance one's rank or status in the intended field.

4.3 Personal skill

Technical skill:

Overall, internship had helped me to progress from the initial SQA and tester level up to the advanced level. New technology was also not familiar to me, and this made me realize that I had little understanding of most of the expression used in relation to these innovations. Still, as a SQA, this tool is helpful in preparing for work, when dealing with concepts, and on real-life projects. Through the internship, I have also been able to learn and especially test the large project software effectively.

Interpersonal Skills:

The interaction with regard to the communication with the people in different fields has made me embrace all the aspects of communication. Communication skills in relation to the many other staff members, I picked during the learning period.

CHAPTER 5

ACQUIRED KNOWLEDGE

Before joining Creative Soft Technology Ltd, I had no acquaintance with the environment and the organizational culture; but I was so alert, punctual, and dedicated that the mentor had to work with me. I had several tough days which I was able to transform robust my surroundings owing to support from my mentor.

5.1 Implications to University's Internship Program

I am grateful for the Faculty of Science and Information Technology for allowing me to have an internship as one of the requirements of graduation. It also provided me with a flavor of duties related to software and enabled me to define a field in which I had interest to be placed. I also appreciate the rights to select an area of concern and the chance to complete an internship which was provided by the DIU Office of Placement and Alumni and the Faculty of Science and Information Technology.

5.2 Effects on Personal Skills

In my first job through internship, I have benefitted a lot in terms of acquiring job experience. At some point, SQA was very challenging to me whenever I began to learn it for the first time. I fumed and raged and looked for the right course of action for hours and hours and all to no avail. But as soon as I got acquaintance with the mentor it was easier to deal with all the difficulties because here, they are all businessmen and problem-solving staff. I was really active and well managed because of the excellent process.

5.3 Ability to learn

Thanks to the appeal computers have made me a very professional employee. People are not always simple. That is why I expect self-development in the sphere of computer software and testing as a passion.

5.4 Dependability

They started trusting me when I started working and learning from them and the mentor gradually became satisfied with me. For me to be able to practice test case writing, functional testing, non-functional testing, and user interface testing, she provided me with a few simple projects that she assigned to me and a few others that were individual. I have started developing these ideas and giving my mentor comments for all these which have enlightened me more on the SQA industry. Moreover, this dependability will create a long-term affiliation of Creative Soft Technology Ltd. & DIU which is what I envisioned while working on the project.

5.5 Initiative

In cases of any dispute I ensured I tried to try and sort things on my own. If I was unable to do so, my mentor benefited me a lot and also offered me the correct approach that would be done promptly. I only hope that having received such aid, I have been able to expand my knowledge in the process.

5.6 Judgement

It can't be described or painted within the timeline of a day or even a month. On the basis of quality and focus, prospects regarding its growth can be definitely made. I tried my best to polish the judgmental skills at the time of nurturing and experimenting with different projects.

CHAPTER 6

CONCLUDING STATEMENTS

6.1 Summery

Creative Soft Technology Ltd. is one of the well-known and comparatively large companies with focus on information technology. They give excellent services as well as guarantee satisfaction to their customers. When working in Creative Soft Technology Ltd, I worked in the Software Quality Assurance and Testing division.

6.2 Recommendations for Future Strategic Actions

It can be recommended to the future employers because my career as a SQA and tester is practically got by this experience.

6.3 Organization

Before joining Creative Soft Technology Ltd, I could not manage the flow of work and communicate before getting help from the organizations' mentor. Generally, working on the assignment was fun especially engaging with the mentor. Thus, according to the presented information, all employees of Creative Soft Technology Ltd. are also performing well.

6.4 University

An internship enables a student to ease himself or herself into the working environment. It may lead a student into writing a perfect professional plan and the type of career of their dream. I would also wish to extend my appreciation to the Institute of Information Technology for the opportunity preparing us for the workforce. I now look forward to tackling the further IT world difficulties that are to come.

6.5 Professionals

Internships are a highly advantageous opportunity for individuals to strengthen their professional presentation and practical application of information in the workplace. But occasionally, obstacles could appear that call for persistent professionalism and commitment.

I believe it can assist the student with a sea of information in this day and age, when professional competition is getting more and more fierce.

The SQA needs to know the best ways to launch their career, and I gained knowledge on how to collaborate with professionals in other computer domains.

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