

AN INTERNSHIP REPORT ON
“TESTING A SOCIAL MEDIA
APPLICATION”

Submitted in accordance with the requirement for the degree of
“BACHELOR OF VOCATIONAL”

Submitted by

CHIRUVOLU BHARATH
Reg.NO: K2002514

Under the Guidance of

Smt.P.GOWTHAMI DEVI Mca
Lecture in Department of Computer Science and Applications

Submitted to
Department of Computer Science & Applications



KAKARAPARTI BHAVANARAYANA COLLEGE
(AUTONOMOUS)

(Sponsored by S.K.P.V.V Hindu High Schools Committee)Kotha Peta,
Vijayawada-520001.

2021-2023

An Internship Report on
“TESTING A SOCIAL MEDIA
APPLICATION”

Submitted in accordance with the requirement for the
degree of

BACHELOR OF VOCATIONAL IN COMPUTERS

Under the Faculty Guide ship of

Smt. P.GOWTHAMI DEVI Mca
Department of

Computer Science & Applications,
KBN College (Autonomous)

Submitted by:

CHIRUVOLU BHARATH

Reg.NO: K2002514

Department of **Computer Science & Applications**

Kakaraparti Bhavanarayana College(AUTONOMOUS)

Student's Declaration

I'm Mr. CHIRUVOLU BHARATH student of **Bachelor Of Vocational In Computers** Program, Reg. No. **K2002514** of the Department of **Computer Science And Applications KBN COLLEGE** do hereby declare that I have completed the mandatory internship from **09-Jan-2023** to **10-May-2023** in **VLX IT Solutions Pvt Ltd** under the Faculty Guide ship of **Smt.P.GOWTHAMI DEVI Mca,** Department of **Computer Science And Applications, Kakaraparthi Bhavanarayana College (Autonomous).**

(Signature and Date)

Official Certification

This is to certify that **CHIRUVOLU BHARATH** **Reg. No: K2002514** has completed his/her Internship in **TESTING A SOCIAL MEDIA APPLICATION** under my supervision as a part of partial fulfillment of the requirement for the Degree of **B.Voc** in the Department of **Computer Science &** in **Kakaraparthi Bhavanarayana College(Autonomous).**

This is accepted for evaluation.

(Signatory with Date and Seal)

Endorsements

Faculty Guide

Head of the Department

Principal

Certificate from Intern Organization

This is to certify that **CHIRUVOLU BHARATH** Reg. No **K2002514** of **Kakaraparthi Bhavanarayana College(Autonomous)**. underwent internship in **VLX IT SOLUTIONS Pvt.Ltd.** from **09-Jan-2023** to **10-May- 2023** The overall performance of the intern during his/her internship is found to be GOOD
_____ (Satisfactory/NotSatisfactory).

(Authorized Signatory with Date)

Acknowledgments

We take the opportunity to thank one and all who have helped in making the project possible.

I express my sincere thanks to **VLX IT Solutions**, for giving us the opportunity to work on a project as part of the curriculum. Our sincere thanks to the Mentor **Smt.P.GOWTHAMI DEVI** Mca, Lecture in Department of Computer Science and Applications

We are very much thankful to HOD Mr.**P.RAVINDRA** department of computer science and applications in KBN COLLEGE to encourage me to the highest peak and to provide me the opportunity to prepare the project.

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I express thanks to all the teaching and non-teaching staff members **VLX IT Solutions in Vijayawada**.

Last but not the least I also acknowledge with humble gratitude to my parents, my team members and my dearest friends who helped me to complete this project.

Submitted
CHIRUVOLU BHARATH

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CHAPTER 1: EXECUTIVE SUMMARY

Manual testing is a crucial aspect of software development that involves human intervention to verify and validate the functionality of an application. Eclipse, a popular integrated development environment (IDE), can be effectively utilized for manual testing using Java. This exclusive summary will provide a brief overview of manual testing with Eclipse and Java.

Manual testing in Eclipse with Java involves the following key steps:

1. **Test Case Preparation:** Begin by creating test cases that outline the expected behavior of the software application. These test cases should cover various scenarios, including positive and negative scenarios, to ensure comprehensive testing.
2. **Test Environment Setup:** Set up the necessary testing environment within Eclipse. This may include configuring the project settings, importing libraries or dependencies, and ensuring the availability of necessary resources for testing.
3. **Writing Test Scripts:** Utilize Java to write test scripts that execute the defined test cases. These scripts can interact with the application's user interface, perform input validations, and verify the expected outputs. Eclipse's Java Development Tools (JDT) facilitate efficient coding, debugging, and refactoring during script development.
4. **Test Execution:** Run the test scripts within Eclipse to execute the defined test cases against the application. Observe the application's behavior during testing and compare it with the expected results mentioned in the test cases.
5. **Defect Reporting:** If any discrepancies or issues are identified during testing, log them as defects in a bug tracking system. Provide clear and concise details about the defect, including steps to reproduce and expected results, to aid developers in resolving the issues.

6. **Test Reporting:** Generate test reports summarizing the test execution results. These reports can include information such as the number of test cases executed, passed, and failed, along with any defects discovered. Eclipse supports various reporting plugins that can be integrated to produce detailed and visually appealing reports.

7. **Regression Testing:** As the application evolves, perform regression testing to ensure that new changes or bug fixes do not introduce new defects or break existing functionality. Re-run the test cases against the modified application to validate its behavior.

8. **Test Documentation:** Document the entire testing process, including test case design, test scripts, execution logs, and bug reports. This documentation helps in knowledge sharing, future reference, and maintaining traceability.

By leveraging Eclipse with Java, manual testers can streamline their testing efforts, enhance collaboration with developers, and efficiently execute test cases. Eclipse's comprehensive features, such as code editing, debugging, and reporting, contribute to a productive and organized manual testing process.

Objectives

Manual Testing Using Eclipse with Java

1. Introduction to Manual Testing:

The objective of manual testing using Eclipse with Java is to ensure the quality, reliability, and effectiveness of software applications through thorough manual verification and validation. This objective involves leveraging Eclipse, a popular integrated development environment (IDE), in conjunction with the Java programming language to perform manual testing activities.

2. Understanding Manual Testing:

The objective is to gain a clear understanding of manual testing principles, methodologies, and best practices. Manual testing involves the human-driven process of executing test cases, identifying defects, and validating software functionality based on predefined requirements. It requires critical thinking, observation, and a deep understanding of the application under test.

3. Familiarizing with Eclipse IDE:

The objective is to become proficient in using the Eclipse IDE for manual testing activities. Eclipse provides a rich set of tools and features that enhance the efficiency and productivity of testers. By mastering Eclipse's functionalities, testers can create, execute, and manage test cases seamlessly, leveraging the power of Java.

4. Creating Test Cases:

The objective is to develop comprehensive and well-defined test cases. Test cases should cover various scenarios, including positive and negative test cases, edge cases, and boundary conditions. Each test case must have clear steps to execute, expected results, and any necessary preconditions or data setup.

5. Configuring the Test Environment:

The objective is to set up the testing environment within Eclipse. This includes configuring project settings, managing dependencies and libraries, and ensuring the

availability of required resources. By properly configuring the environment, testers can create a stable and reliable testing setup.

6. Writing Test Scripts:

The objective is to utilize Java programming in Eclipse to write test scripts that automate the execution of test cases. Test scripts can interact with the application's user interface, simulate user actions, and validate the expected outputs. Eclipse's Java Development Tools (JDT) assist in writing clean, modular, and maintainable code.

7. Executing Test Cases:

The objective is to execute the test cases using the developed test scripts within Eclipse. Testers should observe the application's behavior during execution and compare it against the expected results mentioned in the test cases. This step helps identify any deviations or discrepancies that need to be investigated further.

8. Defect Reporting:

The objective is to identify and report any defects or issues discovered during testing. Testers should log defects in a bug tracking system, providing clear and concise details about the defect, including steps to reproduce, expected results, and actual observed behavior. This step ensures effective communication with developers and facilitates the resolution of identified issues.

9. Test Reporting:

The objective is to generate comprehensive test reports summarizing the test execution results. These reports should include information such as the number of test cases executed, passed, and failed, along with any defects discovered. Integration of reporting plugins within Eclipse enables the creation of visually appealing and informative test reports.

10. Regression Testing:

The objective is to perform regression testing to ensure that modifications, bug fixes, or new features do not introduce new defects or break existing functionality. Testers should re-run the test cases against the modified application and validate its behavior. This step safeguards the application's integrity during its lifecycle.

11. Test Documentation:

The objective is to document the entire testing process, including test case design, test scripts, execution logs, and bug reports. Test documentation serves as a valuable resource for future reference, knowledge sharing, and maintaining traceability. It ensures that the testing process is well-documented and easily accessible to all stakeholders.

CHAPTER 2: OVERVIEW OF THE ORGANIZATION

Introduction of Organization :

VLX IT SOLUTIONS Technologies provides ultimate software training. Our group technical savvier who are dedicated to bring difference in the way people are trained in software tools & technologies. We focus on practical approach with well-defined process & framework that perfectly transforms the academics to professionals. We believe in Practical Approach than Theoretical Approach.

At VLX IT SOLUTIONS you get:

- Amplify your profession in VLX IT SOLUTIONS.
- Experience Training of Excellence from our bureaucrats.
- Modernize persistently in Learning New Skills which presents You Beneficial Utility.
- Accessibility of a unique training in magnificent ambiance.
- Obtain ability of our faculty members for perpetual timing for assistance.
- Premier direction and prop up by our HR-Team members in placing our trainees in foremost organizations.

Vision, Mission, and Values of the Organization:

Quality Mission Statement:

To furnish a training quality of excellence, career orientation and to attain the goal of bagging opportunities in IT sector. VLX IT SOLUTIONS fulfills its Mission through a disciplined approach. It provides only real time services to its customers through its real time faculty.

As Part of Its Mission and Vision VLX IT SOLUTIONS:-

VLX IT SOLUTIONS vision is to bring new insights in your individual and organizational search & transform your career. Our mission is to provide the best services to all with value addition and cutting edge in your job search, thereby saving your precious time.

- It Promotes and Provides education of software testing professionals around the world.
- It creates a pool of qualified software testing professionals to meet the needs of testing organizations.
- It Provides assistance and guidance to members, both corporate and individuals,

performing testing of all types of software systems.

- It provides a framework for assessing organizational testing practices and procedures.
- It Provides services, methods, and tools supporting the discipline of software

Organizational Structure:

The Manual Testing Internship Organization of VLX IT SOLUTIONS has a flat organizational structure, with a focus on collaboration and teamwork. The organization is led by a team of experienced executives who are committed to fostering a positive and productive work environment.

The organization is organized into functional teams, each with its own areas of expertise and responsibilities. These teams work closely together to deliver high-quality software solutions and services to clients around the world.

Roles and responsibilities of the employees in which the intern is placed:

The Java Internship Organization of VLX IT SOLUTIONS places its interns in a variety of roles, depending on their skills, interests, and experience. These roles may include software Testing, quality assurance, project management, and technical support.

The roles and responsibilities of employees in these positions vary depending on their specific role, but generally involve working collaboratively with other team members to deliver high-quality software solutions and services to clients.

Performance of the Organization in terms of turnover, profits, market reach and market value: The Python Internship Organization of VLX IT SOLUTIONS has a strong track record of performance, with a focus on delivering high-quality software solutions and services that meet the needs of its clients.

The organization has experienced steady growth over the past several years, with strong turnover, profits, and market reach.

The organization has a reputation for delivering innovative and cutting-edge solutions to its clients, and has been recognized for its excellence in the industry. Its market value has also increased steadily over the past several years, reflecting the strong performance of the organization and the value it provides to its clients.

Future Plans of the Organization:

The Manual Testing Internship Organization of VLX IT SOLUTIONS is committed to continuing its strong performance and delivering innovative and cutting-edge solutions to its clients.

CHAPTER 3: INTERNSHIP PART

During my internship at VLX IT SOLUTIONS Organization, I worked as a Manual tester in a team of four interns. The working conditions were great, with a comfortable and collaborative work environment. The weekly work schedule was Monday to Saturday, from 9 am to 12 pm, with an hour-long.

We used our personal laptops for coding and testing, and we also had access to the company's servers for deployment and testing on a live environment. We primarily used Python, along with some other technologies such as Java and Eclipse IDE.

During the internship, my tasks included testing and maintaining the company's web application, creating and managing databases, testing and debugging code, and collaborating with team members to resolve any issues. I also worked on some individual projects to improve my skills and knowledge of Java.

Through this internship, I acquired a range of technical skills in Java programming, including working with PHP, creating and managing databases, and debugging and testing code. I also developed valuable teamwork and collaboration skills, as well as learning how to communicate effectively with team members and stakeholders. Overall, the internship provided me with a valuable learning experience and prepared me well for a career in Manual Testing.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the dailyactivity	Learning Outcome	Person In-Charge Signatu re
Monday 09-01-2023	<ul style="list-style-type: none"> The first day I've learned about what is manual testing 	I've gained knowledge on manual testing	
Tuesday 10-01-2023	<ul style="list-style-type: none"> The second of internship was about how the manual testing is used. 	I came to know about there are many uses of manual testing	
Wednesday 11-01-2023	<ul style="list-style-type: none"> Today I've learned about there are many types of manual testing 	The manual testing itself had many ways to apply in real-time	
Thursday 12-01-2023	<ul style="list-style-type: none"> On this day I come to know about difference between software testing and manual testing 	The manual testing is far way of software testing but there is a slight similarities between both.	
Friday 13-01-2023	HOLIDAY (BHOGI)		
Saturday 14-01-2023	HOLIDAY (SANKRANTHI)		

WEEKLY REPORT

WEEK – 1 (From Dt 09-01-2023 to Dt 14-01-2023)

Objective of the Activity Done:

Detailed Report :

Introduction:

- The Internship is started on January 9th 2023. The internship is all about the manual testing.
- The first day I've learned about what is manual testing I've gained knowledge on manual testing.
- The internship was about how the manual testing is used I came to know about there are many uses of manual testing I've learned about there are many types of manual testing.
- The manual testing itself had many ways to apply in real-time I come to know about difference between software testing and manual testing
- The manual testing is far way of software testing but there is a slight similarities between both I had an interactive session with my mentor.
- The session is all about what I've learned. The last day of the first week my mentor conducted an exam that what I had learned this week The exam is about the manual testing and software testing.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday 16-01-2023	<ul style="list-style-type: none"> Today I had an interactive session with my mentor 	Today I had an interactive session with my mentor	
Tuesday 17-01-2023	<ul style="list-style-type: none"> Today is the last day of the first week so my mentor conducted an exam that what I had learned this week 	The exam is about the manual testing and software testing	
Wednesday 18-01-2023	<ul style="list-style-type: none"> Today is the first day of second week in internship. We had discussed previous topics 	Today we recapped what we had did in the previous class	
Thursday 19-01-2023	<ul style="list-style-type: none"> Today I had learned that why we have to use software testing or manual testing 	I learned that there are many uses of learning the testing.	
Friday 20-01-2023	<ul style="list-style-type: none"> Today I came to know about the difference between defect and error 	In testing there are more differences between errors and defect	
Saturday 21-01-2023	<ul style="list-style-type: none"> This day we had discussed about what is SDLC and how it is used in testing 	The SDLC (Software Development Life Cycle) is mainly and widely used in testing.	

WEEKLY REPORT

WEEK – 2 (From Dt 16-01-2023 to Dt 21-01-2023)

Objective of the Activity Done:

Detailed Report :

- ☐ ..Today is the first day of second week in internship.
- ☐ ... We had discussed previous topics, we had recapped what we had did in the previous class I had learned that why we have to use software testing or manual testing
- ☐ I learned that there are many uses of learning the testing. I came to know about the difference between defect and error In testing there are more differences between errors and defect, we had discussed about what is SDLC and how it is used in testing.
- ☐ ... The SDLC (Software Development Life Cycle) is mainly and widely used in testing. The topic which I learned is about how many phases are in SDLC and how many roles are involved in it. The topic covered was the ways in SDLC and how to complete it.
- ☐ ... The last day of the second week our mentor had conducted an exam on what we had discussed in this week.
- ☐ The exam was all about SDLC which was learned in this week. This is all about the second week of the internship.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday 23-01-2023	<ul style="list-style-type: none"> Today i had learned about how many phases are in SDLC and how many roles are involved in it. 	The topic covered was the ways in SDLC and how to complete it.	
Tuesday 24-01-2023	<ul style="list-style-type: none"> Today mentor had conducted an exam on what we had discussed in this week 	The exam was all about SDLC which was learned in this week.	
Wednesday 25-01-2023	<ul style="list-style-type: none"> Today is the first day of the third of internship and we had recapped what we learnt in previous classes 	The recapped session is about how the exam was conducted and what we had learnt.	
Thursday 26-01-2023	HOLIDAY (REPUBLIC DAY)		
Friday 27-01-2023	<ul style="list-style-type: none"> Today we had learnt about how coding is helped in the testing 	The coding and programming is also plays a good role in the testing	
Saturday 28-01-2023	<ul style="list-style-type: none"> Today we discussed the topic named waterfall model which was used more time about ages ago 	The waterfall model plays the vital role in the testing. It was used before but now it is not using more times	

WEEKLY REPORT

WEEK – 3 (From Dt 23-01-2023 to Dt28-01-2023)

Objective of the Activity Done:

Detailed Report:

- ☐ Today is the first day of the third of internship and we had recapped what we learned in previous classes.
- ☐ The recapped session is about how the exam was conducted and what we had learned. Today we had learned about how coding is helped in the testing
- ☐ The coding and programming is also plays a good role in the testing Today we discussed the topic named waterfall model which was used more time about ages ago.
- ☐ The waterfall model plays the vital role in the testing. It was used before but now it is not using more times. Today we discussed the topic that how waterfall is used and what are advantages and disadvantages and also where and when to use the waterfall model
- ☐ This model is used only when the requirements are very well known, clear and fixed. And when the project is short. Today I had learned about V model in testing.
- ☐ The V model is a SDLC model where execution of processes happens in a sequential manner in V-shape There are many ways in SDLC.
- ☐ V model is one of them and it is used when we need a sequential manner. Today is the last day of the third week of the internship. So our mentor had conducted an exam on v model. The exam had conducted and it is all about how v model and SDLC.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday 30-01-2023	<ul style="list-style-type: none"> Today we discussed the topic that how waterfall is used and what are advantages and disadvantages and also where and when to use the waterfall model 	This model is used only when the requirements are very well known, clear and fixed. And when the project is short.	
Tuesday 31-01-2023	Today I had learnt about V model in testing. The V model is a SDLC model where execution of processes happens in a sequential manner in V-shape	There are many ways in SDLC. V model is one of them and it is used when we need a sequential manner.	
Wednesday 01-02-2023	<ul style="list-style-type: none"> Today is the last day of the third week of the internship. So our mentor had conducted an exam on v model. 	The exam had conducted and it is all about how v model and SDLC	
Thursday 02-02-2023	<ul style="list-style-type: none"> Today is the first day fourth week in testing internship. we discussed about agile mode, it's advantages and disadvantages 	The agile model is one of the SDLC model. It is mainly used model in many MNC's.	
Friday 03-02-2023	<ul style="list-style-type: none"> Today we discussed about testing methodologies. The topic is black box and white box testing 	The black box and white box testing are part of the testing. They cover both functional and non-functional testing	
Saturday 04-02-2023	HOLIDAY		

WEEKLY REPORT

WEEK – 4 (From Dt 30-01-2023. to Dt 04-02-2023)

Objective of the Activity Done:

Detailed Report:

- ☐ Today is the first day fourth week in testing internship. we discussed about agile mode, it's advantages and disadvantages
- ☐ The agile model is one of the SDLC model. It is mainly used model in many MNC's. we discussed about testing methodologies.
- ☐ The topic is black box and white box testing The black box and white box testing are part of the testing. They cover both functional and non-functional testing Today I had learned about Grey box testing and who will perform it
- ☐ The Grey box testing is done by tester and he has access to the database. As a part of testing I had learned about the testing levels today There are as many as levels which are main part of the testing.
- ☐ Today I had learned about Unit testing, component testing, integration testing The unit, component, integration are levels of the testing. It explains how, where, when they should use in testing.
- ☐ we had an exam on levels of testing The exam was about how we listened to mentor and what we had understood till now.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday 06-02-2023	<ul style="list-style-type: none"> As a part of testing I had learned about the testing levels today 	There are as many as levels which are main part of the testing	
Tuesday 07-02-2023	<ul style="list-style-type: none"> Today I had learned about Unit testing, component testing, integration testing 	The unit, component, integration are levels of the testing. It explains how, where, when they should use in testing	
Wednesday 08-02-2023	<ul style="list-style-type: none"> Today we had an exam on levels of testing 	The exam was about how we listened to mentor and what we had understood till now.	
Thursday 09-02-2023	<ul style="list-style-type: none"> Today is the first day fifth week in testing internship. we discussed about different levels of testing. 	They are different phases that are included in the manual testing.	
Friday 10-02-2023	<ul style="list-style-type: none"> Today have discussed about validation and verification These are used to verify and validate the application and test the application 	In order to validate the function for a feature we need to test it through the validation and verification	
Saturday 11-02-2023	Functional and non-Functional testing <ul style="list-style-type: none"> The functional testing and nonfunctional testing are also a part of testing. 	To test the functional features of the application these are used frequently	

WEEKLY REPORT

WEEK – 5 (From Dt 06-02-2023 to Dt 11-02-2023)

Objective of the Activity Done:

Detailed Report:

- ☐ . There are as many as levels which are main part of the testing
- ☐ The unit, component, integration are levels of the testing. It explains how, where, when they should use in testing
- ☐ The exam was They are different phases that are included in the manual testing
- ☐ About how we listened to mentor and what we had understood till now
- ☐ In order to validate the function for a feature we need to test it through the validation and verification
- ☐ To test the functional features of the application these are used frequently

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday 13-02-2023	<ul style="list-style-type: none"> Web applications and windows It shows the working relation of the application with the windows. 	Web application is an application that is accessed via Web browser over a network such as the Internet or an internet	
Tuesday 14-02-2023	<ul style="list-style-type: none"> Software testing life cycle, waterfall model are used for testing 	This software testing cycles helps us to better understand the testing process. Out of all models agile model is mostly used.	
Wednesday 15-02-2023	<ul style="list-style-type: none"> Test planning is used and exam has conducted 	Test plan shows the path for which has to be done while testing in step by step process	
Thursday 16-02-2023	<ul style="list-style-type: none"> Test Execution: Run the test scripts within Eclipse to execute the defined test cases against the application 	Behavior during testing and compare it with the expected results mentioned in the test cases.	
Friday 17-02-2023	<ul style="list-style-type: none"> Test Documentation: Document the entire testing process, including test case design, test scripts, execution logs, and bug reports 	Documentation helps in keeping the track of data	
Saturday 18-02-2023	HOLIDAY		

WEEKLY REPORT

WEEK – 6 (From Dt 13-02-2023to Dt18-02-2023)

Objective of the Activity Done:

Detailed Report :

- ☐ Web application is an application that is accessed via Web browser over a network such as the Internet or an internet.
- ☐ This software testing cycles helps us to better understand the testing process.
- ☐
- ☐ Out of all models agile model is mostly used.
- ☐ Test plan shows the path for which has to be done while testing in step by step process.
- ☐ Behavior during testing and compare it with the expected results mentioned in the test cases.

ACTIVITY LOG FOR THE SEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday 20-02-2023	<ul style="list-style-type: none"> Attended an orientation session to understand the internship program and expectations. Learned about the importance of manual testing in software development and its role in ensuring quality. 	Attended an orientation session to understand the internship program and expectations.	
Tuesday 21-02-2023	<ul style="list-style-type: none"> Explored the basics of Java programming language, focusing on syntax and data types. Attended training sessions on different testing methodologies, such as black box testing and white box testing. 	Attended training sessions on different testing methodologies	
Wednesday 22-02-2023	<ul style="list-style-type: none"> Studied the principles of designing effective test cases and understanding requirements. 	Studied the principles of designing effective test cases	
Thursday 23-02-2023	<ul style="list-style-type: none"> Participated in group discussions to analyze a sample project and identify potential test scenarios. 	group discussions to analyze a sample project	
Friday 24-02-2023	<ul style="list-style-type: none"> Executed a set of predefined test cases to gain practical experience in manual testing. 	predefined test cases to gain practical experience	
Saturday 25-02-2023	<ul style="list-style-type: none"> Reported defects encountered during the test execution phase and interacted with the development team to resolve them. 	Reported defects encountered during the test execution phase	

WEEKLY REPORT

WEEK – 7 (From Dt 20-02-2023 to Dt25-02-2023)

Objective of the Activity Done:

Detailed Report :

- ☐ Attended an orientation session to understand the internship program and expectations.
- ☐ Learned about the importance of manual testing in software development and its role in ensuring quality.
- ☐ Explored the basics of Java programming language, focusing on syntax and data types.
- ☐ Attended training sessions on different testing methodologies, such as blackbox testing and white box testing.
- ☐ Studied the principles of designing effective test cases and understanding requirements.
- ☐ Participated in group discussions to analyze a sample project and identify potential test scenarios.

ACTIVITY LOG FOR THE EIGHTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday 27-02-2023	<ul style="list-style-type: none"> Explored the usage of testing tools like JUnit and TestNG to enhance the testing process. 	testing tools like JUnit and TestNG to enhance the testing process.	
Tuesday 28-02-2023	<ul style="list-style-type: none"> Continued executing test cases for different functionalities of the application. 	Continued executing test cases.	
Wednesday 01-03-2023	<ul style="list-style-type: none"> Documented test results systematically and maintained a record of test coverage. 	systematically and maintained a record of test coverage.	
Thursday 02-03-2023	<ul style="list-style-type: none"> Attended sessions on bug tracking and learned how to use JIRA for efficient defect management. 	learned how to use JIRA for efficient defect management.I	
Friday 03-03-2023	<ul style="list-style-type: none"> Learned about the concept of regression testing and its significance in software maintenance. 	Learned about the concept of regression testing	
Saturday 04-03-2023	<ul style="list-style-type: none"> Explored the basics of test automation and its advantages over manual testing. 	Explored the basics of test automation	

WEEKLY REPORT

WEEK – 8 (From Dt 27-02-2023 to Dt 04-02-2023)

Objective of the Activity Done:

Detailed Report :

- ☐ Explored the usage of testing tools like JUnit and TestNG to enhance the testing process.
- ☐ Continued executing test cases for different functionalities of the application.
- ☐ Documented test results systematically and maintained a record of test coverage.
- ☐ Attended sessions on bug tracking and learned how to use JIRA for efficient defect management.
- ☐ Explored the basics of test automation and its advantages over manual testing.

ACTIVITY LOG FOR THE NINETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday 06-03-2023	<ul style="list-style-type: none"> Familiarized myself with Selenium WebDriver and its integration with Java for automating test cases. I 	Familiarized myself with Selenium WebDriver	
Tuesday 07-03-2023	<ul style="list-style-type: none"> . Worked on enhancing existing test cases and automating repetitive scenarios using Selenium WebDriver. 	enhancing existing test cases	
Wednesday 08-03-2023	<ul style="list-style-type: none"> . Collaborated with team members to identify areas where test automation can be applied effectively. 	identify areas where test automation can be applied effectively.	
Thursday 09-03-2023	<ul style="list-style-type: none"> Explored different frameworks and libraries available for Javabased test automation. 	Explored different frameworks and libraries	
Friday 10-04-2023	<ul style="list-style-type: none"> Conducted code reviews of automated test scripts to ensure code quality and adherence to best practices. 	test scripts to ensure code quality and adherence to best practices..	
Saturday 11-04-2023	<ul style="list-style-type: none"> Participated in discussions on the importance of maintainable and scalable test automation frameworks. 	Participated in discussions	

WEEKLY REPORT

WEEK – 9 (From Dt 06-03-2023 to Dt 11-04-2023)

Objective of the Activity Done:

Detailed Report :

- ☐ Familiarized myself with Selenium WebDriver and its integration with Java for automating.
- ☐ Worked on enhancing existing test cases and automating repetitive scenarios using SeleniumWebDriver.
- ☐ Collaborated with team members to identify areas where test automation can be applied effectively.
- ☐ Explored different frameworks and libraries available for Javabased test automation.

ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Monday 13-03-2023	<ul style="list-style-type: none"> Assisted in setting up a continuous integration environment using tools like Jenkins to streamline the testing process. 	Assisted in setting up a continuous integration environment	
Tuesday 14-03-2023	<ul style="list-style-type: none"> Explored data driven testing techniques to increase test coverage and handle different test scenarios. 	Explored data driven testing techniques	
Wednesday 15-03-2023	<ul style="list-style-type: none"> Developed automated test scripts using data driven approaches and analyzed the results. 	Developed automated test scripts using data driven	
Thursday 16-03-2023	<ul style="list-style-type: none"> Participated in a team meeting to discuss the progress and challenges faced in the automation process. 	Participated in a team meeting to discuss the progress and challenges	
Friday 17-04-2023	<ul style="list-style-type: none"> Expanded knowledge in performance testing and learned how to use JMeter for load and stress testing. 	Expanded knowledge in performance testing and learned how to use JMeter	
Saturday 18-04-2023	<ul style="list-style-type: none"> Conducted performance testing on the application to identify any performance bottlenecks.. 	Conducted performance testing on the application	

WEEKLY REPORT

WEEK – 10 (From Dt 13-03-2023 to Dt 18-03-2013)

Objective of the Activity Done:

Detailed Report :

- ☐ Assisted in setting up a continuous integration environment using tools like Jenkins to streamline the testing process.
- ☐ Explored data driven testing techniques to increase test coverage and handle different test scenarios.
- ☐ Developed automated test scripts using data driven approaches and analyzed the results.
- ☐ Participated in a team meeting to discuss the progress and challenges faced in the automation process.
- ☐ Expanded knowledge in performance testing and learned how to use JMeter for load and stress testing.

ACTIVITY LOG FOR THE ELEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday 20-03-2023	<ul style="list-style-type: none"> Analyzed the test results and reported findings to the team, suggesting areas for improvement. 	Analyzed the test results and reported..	
Tuesday 21-03-2023	<ul style="list-style-type: none"> Delved into security testing methodologies and gained hands-on experience using OWASP ZAP. 	Delved into security testing methodologies	
Wednesday 22-03-2023	HOLIDAY		
Thursday 23-03-2023	<ul style="list-style-type: none"> Conducted security tests to identify vulnerabilities and potential security risks in the application. 	Conducted security tests to identify vulnerabilities	
Friday 24-04-2023	<ul style="list-style-type: none"> Collaborated with the development team to address the security findings and enhance the application's security posture 	development team to address the security findings	
Saturday 25-04-2023	<ul style="list-style-type: none"> Explored API testing concepts and tools, focusing on Postman for testing RESTful APIs. 	Explored API testing concepts and tools	

WEEKLY REPORT

WEEK – 11 (From Dt 20-03-2023 to Dt 25-04-2023)

Objective of the Activity Done:

Detailed Report :

- ☐ Analyzed the test results and reported findings to the team, suggesting areas for improvement.
- ☐ Delved into security testing methodologies and gained hand son experience using OWASP ZAP.
- ☐ Conducted security tests to identify vulnerabilities and potential security risks in the application.
- ☐ Collaborated with the development team to address the security findings and enhance the application's security posture.
- ☐ Explored API testing concepts and tools, focusing on Postman for testing RESTful APIs.

ACTIVITY LOG FOR THE TWELVETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday 27-03-2023	<ul style="list-style-type: none"> Designed test cases to validate API endpoints and their responses. 	Designed test cases to validate API endpoints	
Tuesday 28-03-2023	<ul style="list-style-type: none"> Conducted API tests and documented the results, highlighting any inconsistencies or errors. 	Conducted API tests and documented the results	
Wednesday 29-03-2023	<ul style="list-style-type: none"> Participated in a code review session, providing feedback on the code quality and suggesting improvements. 	Participated in a code review session, providing feedback	
Thursday 30-03-2023	HOLIDAY (RAMA NAVAMI)		
Friday 31-03-2023	<ul style="list-style-type: none"> Collaborated with developers to address issues found during the code review process. 	Developers to address issues found during the code.	
Saturday 01-04-2023	<ul style="list-style-type: none"> Attended training on agile methodologies and the integration of testing activities within an agile environment. 	Attended training on agile methodologies and the integration of testing.	

WEEKLY REPORT

WEEK – 12 (From Dt 27-03-2023 to Dt 01-04-2023)

Objective of the Activity Done:

Detailed Report :

- ☐ Designed test cases to validate API endpoints and their responses.
- ☐ Conducted API tests and documented the results, highlighting any inconsistencies or errors.
- ☐ Participated in a code review session, providing feedback on the code quality and suggesting improvements.
- ☐ Collaborated with developers to address issues found during the code review process.
- ☐ Attended training on agile methodologies and the integration of testing activities within an agile environment.

ACTIVITY LOG FOR THE THIRTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday 03-04-2023	<ul style="list-style-type: none"> Continued to execute test cases and report defects, ensuring effective communication with the development team. 	Continued to execute test cases and report defects, ensuring effective	
Tuesday 04-04-2023	<ul style="list-style-type: none"> Conducted exploratory testing sessions to uncover any potential issues or usability problems. 	Testing sessions to uncover any potential issues or usability problems..	
Wednesday 05-04-2023	HOLIDAY		
Thursday 06-04-2023	<ul style="list-style-type: none"> Documented the testing process, including test execution steps and test coverage metrics. 	Documented the testing process, including test execution	
Friday 07-04-2023	HOLIDAY		
Saturday 08-04-2023	<ul style="list-style-type: none"> Analyzed the impact of changes in the application on existing test cases and executed regression tests. 	Analyzed the impact of changes in the application on existing test cases	

WEEKLY REPORT

WEEK – 13 (From Dt 03-04-2023 to Dt 08-04-2023)

Objective of the Activity Done:

Detailed Report :

- ☐ Continued to execute test cases and report defects, ensuring effective communication with the development team.
- ☐ Conducted exploratory testing sessions to uncover any potential issues or usability problems.
- ☐ Documented the testing process, including test execution steps and test coverage metrics.
- ☐ Analyzed the impact of changes in the application on existing test cases and executed regression tests.

ACTIVITY LOG FOR THE FOURTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday 10-04-2023	<ul style="list-style-type: none"> Reported any regressions or unexpected behavior to the development team for further investigation. 	development team for further investigation	
Tuesday 11-04-2023	HOLIDAY		
Wednesday 12-04-2023	<ul style="list-style-type: none"> Assisted in the creation of test data and test environments for different testing scenarios. 	the creation of test data and test environments.	
Thursday 13-04-2023	<ul style="list-style-type: none"> Prepared a progress report summarizing the testing activities performed during the first two weeks. 	Prepared a progress report summarizing the testing activities	
Friday 14-04-2023	HOLIDAY		
Saturday 15-04-2023	<ul style="list-style-type: none"> Presented the report to the team, highlighting achievements, challenges, and proposed recommendations for improvement. 	Presented the report to the team, highlighting achievements, challenges, and proposed	

WEEKLY REPORT

WEEK – 14 (From Dt 10-04-2023 to Dt 15-04-2023)

Objective of the Activity Done:

Detailed Report :

- ☐ API Integration: Learned how to integrate third-party APIs into WordPress websites.
- ☐ Reported any regressions or unexpected behavior to the development team for further investigation.
- ☐ Assisted in the creation of test data and test environments for different testing scenarios.
- ☐ Prepared a progress report summarizing the testing activities performed during the first two weeks.
- ☐ Presented the report to the team, highlighting achievements, challenges, and proposed recommendations for improvement.

ACTIVITY LOG FOR THE FIFTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday 17-04-2023	<ul style="list-style-type: none"> Gathered feedback from team members and incorporated their suggestions into the report. 	Gathered feedback from team members	
Tuesday 18-04-2023	<ul style="list-style-type: none"> Test automation tools mostly fall into three categories open source coding frameworks for automating browsers. 	Test automation tools mostly fall into three categories	
Wednesday 19-04-2023	<ul style="list-style-type: none"> Infrastructure tools that pair with the coding frameworks to make it easier to manage and scale up testing. 	Infrastructure tools that pair with the coding frameworks.	
Thursday 20-04-2023	HOLIDAY		
Friday 21-04-2023	HOLIDAY		
Saturday 22-04-2023	HOLIDAY		

WEEKLY REPORT

WEEK – 15 (From Dt 17-04-2023 to Dt 22-04-2023)

Objective of the Activity Done:

Detailed Report :

- ☐ Gathered feedback from team members and incorporated their suggestions into the report.
- ☐ Test automation tools mostly fall into three categories:
- ☐ Open source coding frameworks for automating browsers.
- ☐ Infrastructure tools that pair with the coding frameworks to make it easier to manage and scale up testing.

ACTIVITY LOG FOR THE SIXTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday 24-04-2023	<ul style="list-style-type: none"> Open source frameworks for automated testing are essentially coding languages that help you automate actions in a browser, like other programming languages 	coding languages that help you automate actions in a browser	
Tuesday 25-04-2023	<ul style="list-style-type: none"> doing test automation with them requires hiring someone with programming skills either a full stack developer or a dedicated. 	test automation with them requires hiring someone with programming skills	
Wednesday 26-04-2023	<ul style="list-style-type: none"> engineer who can create, run and maintain the tests. 	run and maintain the tests..	
Thursday 27-04-2023	<ul style="list-style-type: none"> test automation strategy becomes more mature, you almost have to hire more programmers to maintain the test suite. The three most popular open source test automation frameworks. 	have to hire more programmers to maintain the test suite	
Friday 28-04-2023	<ul style="list-style-type: none"> The oldest tool for automated testing, selenium IDE was developed when software development cycles were much slower than they are 	selenium IDE was developed when software development cycles	

	today.		
Saturday 29-04-2023	<ul style="list-style-type: none"> changed much since then selenium web driver supports may scripting languages, including java, python etc. 	selenium web driver supports may scripting languages	

WEEKLY REPORT

WEEK – 16 (From Dt 24-04-2023 to Dt 29-04-2023)

Objective of the Activity Done:

Detailed Report :

- ☐ Open source frameworks for automated testing are essentially coding languages that help you automate actions in a browser, like other programming languages.
- ☐ They are free to use, but actually doing test automation with them requires hiring someone with programming skills either a full stack developer or a dedicated.
- ☐ QA engineer who can create, run and maintain the tests.
- ☐ Test automation strategy becomes more mature, you almost have to hire more programmers to maintain the test suite. The three most popular open source test automation frameworks.
- ☐ The oldest tool for automated testing, selenium IDE was developed when software development cycles were much slower.
- ☐ it has not changed much since then selenium web driver supports many scripting languages, including java, python etc.

ACTIVITY LOG FOR THE SEVENTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday 01-05-2023	<ul style="list-style-type: none"> Selenium Integrated Development Environment (IDE) was developed in as a Firefox plugin that helps to create tests 	Selenium Integrated Development Environment (IDE) was developed.	
Tuesday 02-05-2023	<ul style="list-style-type: none"> IDE is an easy-to-use interface that records user interactions on the browser and exports them as a reusable script. 	records user interactions on the browser and exports	
Wednesday 03-05-2023	<ul style="list-style-type: none"> Selenium IDE is part of the Selenium suite and was developed to speed up the creation of automation scripts 	Selenium suite and was developed to speed up the creation	
Thursday 04-05-2023	<ul style="list-style-type: none"> A rapid prototyping tool and can be used by engineers with no programming knowledge whatsoever. 	prototyping tool and can be used by engineers	
Friday 05-05-2023	<ul style="list-style-type: none"> Test Case Management Tool: Each feature or user path that you create a test for is called a test case. 	Test Case Management Tool	
Saturday 06-05-2023	<ul style="list-style-type: none"> These tools help you organize and manage all your tests, manage and store test data 	tools help you organize and manage all your tests.	

WEEKLY REPORT

WEEK – 17 (From Dt 01-04-2023 to Dt 06-05-2023)

Objective of the Activity Done:

Detailed Report :

- ☐ Selenium Integrated Development Environment (IDE) was developed in as a Firefox plugin that helps to create tests.
- ☐ IDE is an easy-to-use interface that records user interactions on the browser and exports them as a reusable script.
- ☐ Selenium IDE is part of the Selenium suite and was developed to speed up the creation of automation scripts.
- ☐ a rapid prototyping tool and can be used by engineers with no programming knowledge whatsoever.
- ☐ there are multiple ways to open up the web inspector and inspect elements on a web page.
- ☐ Test Case Management Tool: Each feature or user path that you create a test for is called a test case.
- ☐ These tools help you organize and manage all your tests, manage and store test data.

CHAPTER 4: OUTCOMES DESCRIPTION

As an intern in VLX IT SOLUTIONS, I found the working environment to be very friendly and supportive. The people I worked with were cooperative, and they taught me in a comfortable manner. Overall, my experience at VLX IT SOLUTIONS was positive, and I observed that the organization places a strong emphasis on creating a supportive and encouraging work environment for interns. I appreciated the opportunity to learn and grow in such a supportive environment and would recommend VLX IT SOLUTIONS to other aspiring interns looking for a positive learning experience.

People interactions: A positive work environment at VLX IT SOLUTIONS would foster positive interactions between interns, colleagues, and managers. VLX IT SOLUTIONS should create an environment that is respectful, professional, and supportive, where interns feel comfortable asking for help and working collaboratively with others.

Facilities and maintenance: VLX IT SOLUTIONS should provide an environment that is clean, safe, and comfortable for interns. Adequate resources and equipment should be available to support the work being done, and maintenance should be scheduled and documented to ensure everything is in good working order.

Clarity of job roles: As an intern, it's important to have a clear understanding of job roles and responsibilities, including expectations for performance and behavior. VLX IT SOLUTIONS should provide clear job descriptions, onboarding materials, and guidance to help interns know what is expected of them and how to succeed.

Protocols, procedures, and processes: VLX IT SOLUTIONS should have

clearly documented protocols, procedures, and processes to ensure that interns understand how to complete their work effectively and efficiently. These should be communicated clearly, with opportunities for interns to ask questions and receive support as needed.

Discipline and time management: A positive work environment at VLX IT SOLUTIONS requires good time management practices and a focus on discipline. Interns should be accountable for their work and performance, with appropriate disciplinary measures taken when necessary.

Harmonious relationships: VLX IT SOLUTIONS should foster harmonious relationships between interns, colleagues, and managers. Teamwork, collaboration, and mutual support should be encouraged, with clear communication channels and opportunities for feedback and improvement.

Socialization and mutual support: Socialization and mutual support can help to create a positive and supportive work environment for interns at VLX IT SOLUTIONS. Regular team building activities, social events, and mentoring programs can help interns connect with others and build relationships outside of work tasks.

Teamwork and motivation: VLX IT SOLUTIONS should encourage teamwork and foster a sense of motivation and engagement among interns. Clear communication channels, supportive management practices, and recognition and rewards for good work can help to build a positive work environment.

Space and ventilation: VLX IT SOLUTIONS should provide interns with a comfortable and productive work environment, including adequate space and ventilation, appropriate lighting, and temperature control to ensure the work environment is conducive to productivity and creativity.

CHAPTER 5: Student Self Evaluation of the Short-Term Internship

Describe the real time technical skills you have acquired

Acquiring technical skills like Manual Testing, working with Java and Eclipse IDE, database management, version control, and debugging and testing is crucial for anyone interested in a career in software development. As an intern, you had the opportunity to gain practical, hands-on experience with these skills in a real-world setting. This type of experience is invaluable and can help you stand out when applying for future job opportunities. By acquiring these skills during your Python internship, you have taken a significant step towards building a strong foundation for your future career as a Python developer. It's important to continue to build on these skills and stay up-to-date with the latest advancements in the industry to remain competitive in the job market. Congratulations on your achievements, and best of luck in your future endeavors!

- **Manual Testing:** An intern working with Testing will acquire hands-on experience in writing code, debugging, and testing code. They will also learn how to use various Python libraries and modules to complete programming tasks.
 - **Data Structures and Algorithms:** As an intern working with Python, you will be required to learn various data structures such as lists, dictionaries, and tuples. You will also be expected to learn various algorithms such as sorting and searching algorithms, which are essential for developing efficient and optimized programs.
 - **Web Testing:** Many modern applications are web-based, and Python is a popular language for web development. An intern working with
-

Python will acquire skills in using various web development frameworks such as Flask and Django.

- **Database Management:** Python is also commonly used in database management. As an intern, you will learn how to use Python to connect to a database, perform CRUD (Create, Read, Update, and Delete) operations, and how to handle errors.
- **Version Control:** Version control is an important aspect of software development, and Python developers typically use Git for version control. An intern working with Python will learn how to use Git to manage code changes and collaborate with other developers.
- **Debugging and Testing:** Debugging and testing are crucial skills in software development. An intern working with Python will learn how to write and execute unit tests, debug code, and perform code profiling to identify and fix performance issues.

Overall, an intern working with Python programming will acquire a range of technical skills, including programming in Python, data structures and algorithms, web development, database management, version control, debugging and testing, among others. These skills will help them to become proficient Python developers and prepare them for future careers in software development.

Describe the managerial skills you have acquired

A Manual Testing internship can offer opportunities to develop various managerial skills. These skills may include planning, leadership, teamwork, behavior, workmanship, time management, weekly improvement in competencies, goal setting, decision making, performance analysis, and more.

During an internship, you may have had the chance to work with a team and take on leadership responsibilities. This could have involved organizing and planning projects, setting goals and objectives, monitoring progress, and analyzing performance. You may have also had to make decisions and solve problems independently or as part of a team. Developing effective communication and interpersonal skills is also important for building strong relationships with colleagues and supervisors.

In addition to these technical and managerial skills, it's important to cultivate a strong work ethic, productive use of time, and a desire for continuous improvement. By taking on new challenges, seeking feedback, and striving to learn and grow, you can develop the competencies and confidence needed to succeed in a competitive and constantly evolving industry.

Describe how you could improve your communication skills

In the context of a Manual Testing internship, improving communication skills is especially important because effective communication is critical to the success of software development projects. Here are some additional tips to improve your communication skills in a Manual Testing internship:

- **Learn technical vocabulary:** Familiarize yourself with technical terms and jargon that are specific to software development and Python programming. This will help you communicate more effectively with other developers and stakeholders.
 - **Collaborate with others:** Participate in group discussions and work on team projects to improve your ability to work with others and communicate your ideas effectively.
 - **Document your work:** Keep detailed notes and document your work to ensure that others can understand your thought process and replicate your work if needed.
 - **Use the right tools:** Use communication tools such as email, instant messaging, and project management software to stay in touch with your team and keep everyone on the same page.
 - **Practice writing:** Practice writing clear and concise documentation, such as user manuals and technical specifications, to improve your written communication skills.
 - **Practice presenting:** Practice giving presentations to improve your public speaking skills and learn how to articulate your ideas clearly and concisely.
 - **Seek feedback:** Ask for feedback from your team members and supervisors on your communication skills and be open to constructive criticism.
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Describe how could you could enhance your abilities in group discussions, participation in teams, contribution as a team member, leading a team/activity.

In the context of a Python internship, enhancing your abilities in group discussions, participation in teams, contribution as a team member, and leading a team/activity can help you be a more effective developer and achieve success in your internship. Here are some tips for doing so:

1. **Familiarize yourself with the project:** Before participating in a group discussion or team activity, make sure you have a good understanding of the project and its goals. This will help you contribute more effectively to the team.
 2. **Actively participate:** Be an active participant in group discussions and team activities. Share your ideas and opinions and be open to feedback from others.
 3. **Respect others:** Respect the opinions and ideas of your team members. Avoid interrupting others and try to be mindful of cultural differences or sensitivities.
 4. **Collaborate effectively:** Collaborate effectively with your team members by sharing information and resources, taking responsibility for your part of the project, and being open to feedback.
 5. **Develop leadership skills:** If you have the opportunity to lead a team or activity, focus on developing your leadership skills. This includes setting clear goals, communicating effectively, and motivating your team members.
 6. **Seek feedback:** Ask for feedback from your team members and supervisor to identify areas for improvement. Use this feedback to improve your performance
-

and contribute more effectively to the team.

By following these tips, you can enhance your abilities in group discussions, participation in teams, contribution as a team member, and leading a team/activity during your Python internship. This will not only help you succeed in your internship but also build a strong foundation for your future career as a software developer.

Describe the technological developments you have observed and relevant to the subject area of training *(focus on digital technologies relevant to your job role)*

Selenium refers to a suite of tools that are widely used in the testing community when it comes to cross-browser testing. Selenium cannot automate desktop applications; it can only be used in browsers. It is considered to be one of the most preferred tool suites for automation testing of web applications as it provides support for popular web browsers which makes it very powerful.

It supports a number of browsers (Google Chrome 12+, Internet Explorer 7,8,9,10, Safari 5.1+, Opera 11.5, Firefox 3+) and operating systems (Windows, Mac, Linux/Unix).

Selenium also provides compatibility with different programming languages – C#, Java, JavaScript, Ruby, Python, PHP. Testers can choose which language to design test cases in, thus making Selenium highly favorable for its flexibility.

Note: It is not mandatory to write Selenium code in the same language as the application. For example, if the application under test is written in PHP, then testers don't have to write Selenium code in PHP. Thus, if a website is written in C#, the Selenium code can be written in PHP too.

Selenium WebDriver

Selenium WebDriver is an enhanced version of Selenium RC. It was introduced in the market to overcome the limitation faced in Selenium RC. Though it is an advanced version of RC, its architecture is completely different from that of RC. Just like Selenium RC, Selenium WebDriver too supports multiple programming platforms to provide wider flexibility and requires knowing any one programming language.

Selenium WebDriver is a web framework that permits you to execute cross-browser tests. This tool is used for automating web-based application testing to verify that it performs expectedly.

Selenium WebDriver allows you to choose a programming language to create test scripts. As discussed earlier, it is an advancement over Selenium RC to overcome a few limitations. Selenium WebDriver is not capable of handling window components, but this drawback can be overcome by using tools like Sikuli, Auto IT, etc.

Basic Steps in a Selenium WebDriver Script

- Create a WebDriver instance.
- Navigate to a webpage.
 - Locate a web element on the webpage via [locators in selenium](#).
- Perform one or more user actions on the element.
- Preload the expected output/browser response to the action.
- Run test.
- Record results and compare results from them to the expected output.

In order to run tests, one must be familiar with the [Basic Commands in Selenium WebDriver](#).

Student Self Evaluation of the Short-Term Internship

Student Name: CHIRUVOLU BHARATH

Registration No: K200514

Term of Internship:

From: 9th Jan 23

To: 10th

May23

Date of Evaluation:

Orgination Name & Address- VLX IT Solutions, Door no 40-5\6-8-1, beside Big C, Sriram nagar, Benz circle , Vijayawda, Andhra pradhesh, 520010 India

Please rate your performance in the following areas:

Rating Scale:

Letter grade of CGPA calculation to be provided

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Pro activeness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Effective communication: 5 marks. Communication is essential to achieve common goals and maintain a positive working environment. I understand the importance of improving my communication skills to work better with the team. Written communication is also crucial, and I strive to improve my accuracy and avoid spelling mistakes.

Pro activeness: 5 marks. Being proactive in every situation helps in problem- solving and achieving desired results. However, sometimes interacting with the community can lead to nervousness or shivering, and I am working on improving my ability to interact with others confidently.

Interaction ability: 3 marks. Sometimes interacting with the community can lead to nervousness or shivering.

Positive attitude: 5 marks. Having a positive attitude is vital in achieving success and keeping the team motivated.

Self-confidence: 4 marks. Self-confidence plays a significant role in teamwork and achieving desired outcomes. I believe that I can learn from the team and gain new skills and knowledge that can benefit the team's work.

Learning ability: 3 marks. I can learn from the team and gain new skills and knowledge that can benefit the team's work.

Work plan and organization: 5 marks. To work efficiently in a team, a proper work plan and organization are necessary.

Professionalism: 5 marks. Professionalism is essential to maintain a positive image and achieve quality work.

Creativity: 4 marks. Creativity is essential in generating new ideas and finding innovative solutions to problems.

Quality of work: 5 marks. Quality of work is crucial, and I always strive to deliver quality work in every task assigned to me.

Time management: 5 marks. Time management is also essential in team work to meet deadlines and achieve desired outcomes.

Understanding the community: 4 marks. Understanding the community is necessary to identify their needs and provide appropriate solutions.

Achievement of desired outcomes: 3 marks. Achieving desired outcomes is the ultimate goal of teamwork, and I am committed to working with the team to achieve success.

Student Name: CHIRUVOLU BHARATH

Registration No: K2002514

Term of Internship: From: 9th Jan 2023 **To :** 10th May 2023

Date of

Evaluation:

Organization Name & Address- VLX IT Solutions, Door no 40-5\6-8-1, beside Big C, Sriram nagar, Benz circle, Vijayawda, Andhra pradesh, 520010 India

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's self-evaluation

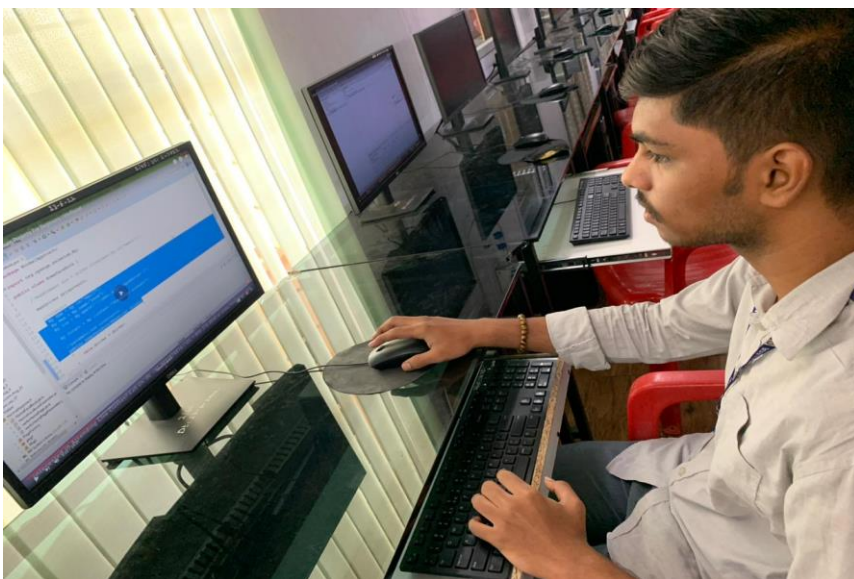
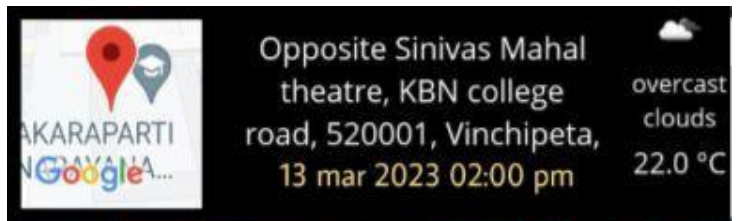
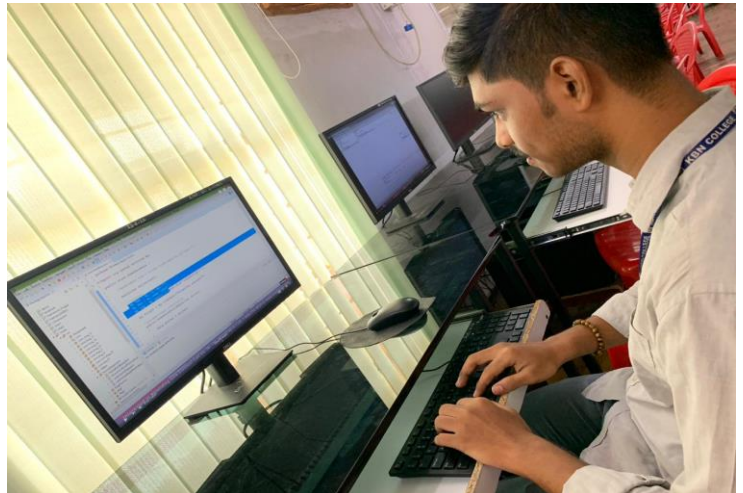
Rating Scale: 1 is lowest and 5 is highest rank

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Pro activeness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

Signature of the Supervisor

PHOTOS & VIDEO LINKS



CHAPTER 6 EVALUATION

Program:

```
package fb;

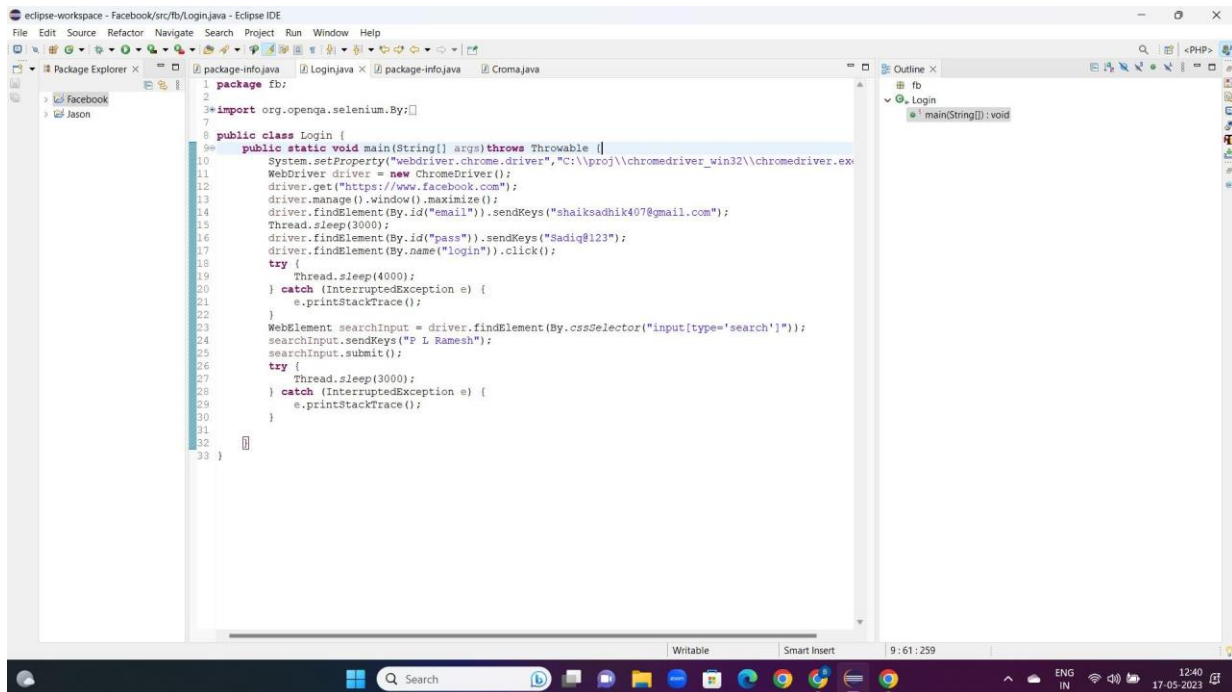
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver; import
org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

public class Login {
    public static void main(String[] args)throws Throwable {

System.setProperty("webdriver.chrome.driver","C:\\proj\\chromedriver_win32\\c
hromedriver.exe");
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.facebook.com");
        driver.manage().window().maximize();

driver.findElement(By.id("email")).sendKeys("shaiksadhik407@gmail.com");Thread.sleep(3000);
        driver.findElement(By.id("pass")).sendKeys("Sadiq@123");
        driver.findElement(By.name("login")).click();
        try {
            Thread.sleep(4000);
        } catch (InterruptedException e) {
            e.printStackTrace();
        }
        WebElement searchInput
        =
driver.findElement(By.cssSelector("input[type='search']"));
        searchInput.sendKeys("P L Ramesh");searchInput.submit();
        try {
            Thread.sleep(3000);
        } catch (InterruptedException e) {
            e.printStackTrace();
        }
    }
}
```

Creating code:



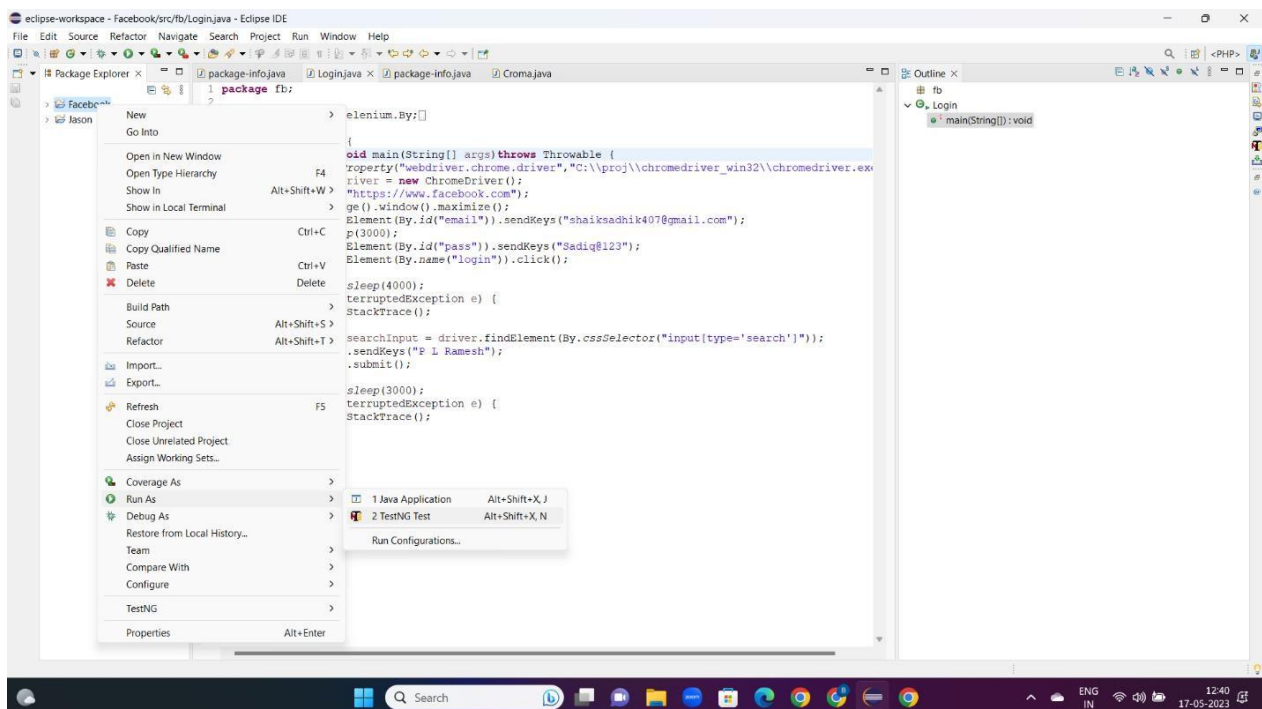
The screenshot shows the Eclipse IDE with a Java file named `Login.java` in the `fb` package. The code is a Selenium WebDriver script for logging into Facebook. It includes imports for `org.openqa.selenium.By` and `org.openqa.selenium.WebDriver`. The `main` method sets up the WebDriver, navigates to the Facebook URL, and performs login actions. The code is as follows:

```
1 package fb;
2
3 import org.openqa.selenium.By;
4
5 public class Login {
6     public static void main(String[] args) throws Throwable {
7         System.setProperty("webdriver.chrome.driver", "C:\\proj\\chromedriver_win32\\chromedriver.exe");
8         WebDriver driver = new ChromeDriver();
9         driver.get("https://www.facebook.com");
10        driver.manage().window().maximize();
11        driver.findElement(By.id("email")).sendKeys("shaiksadhik407@gmail.com");
12        Thread.sleep(3000);
13        driver.findElement(By.id("pass")).sendKeys("Sadiq@123");
14        driver.findElement(By.name("login")).click();
15        try {
16            Thread.sleep(4000);
17        } catch (InterruptedException e) {
18            e.printStackTrace();
19        }
20        WebElement searchInput = driver.findElement(By.cssSelector("input[type='search']"));
21        searchInput.sendKeys("P L Ramesh");
22        searchInput.submit();
23        try {
24            Thread.sleep(3000);
25        } catch (InterruptedException e) {
26            e.printStackTrace();
27        }
28    }
29 }
```

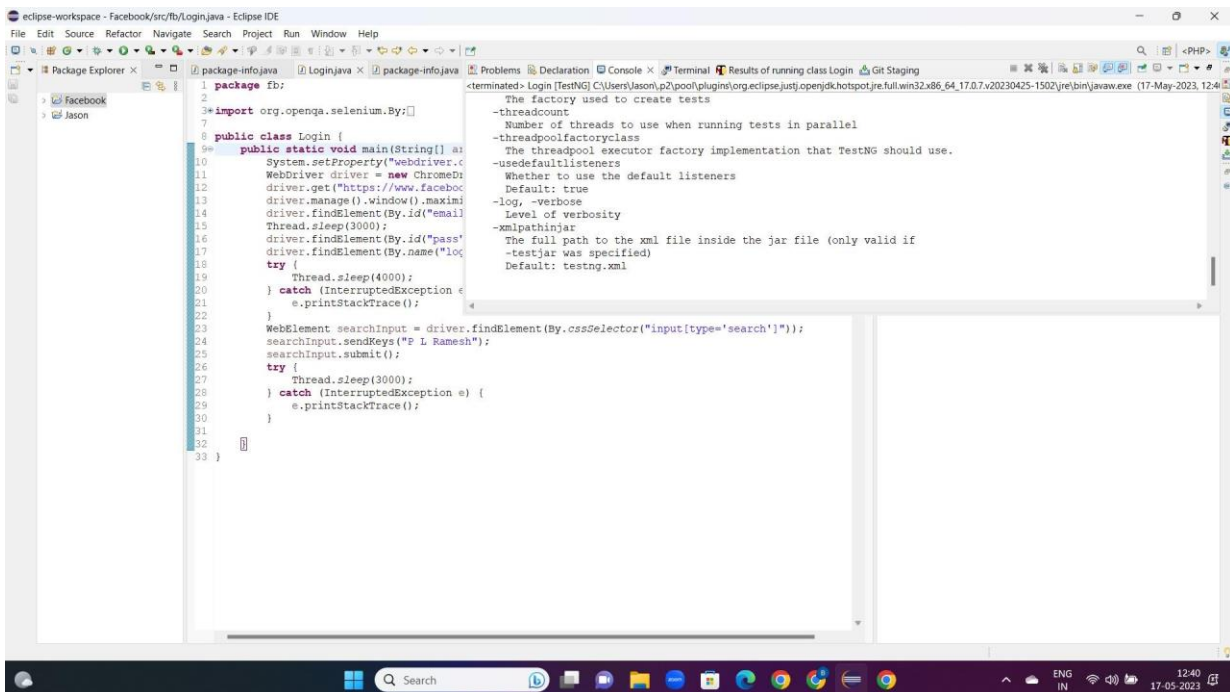
Running Test-ng:

Click on facebook (application name) and click on run as and click TestNG

Running the code using TestNG band.

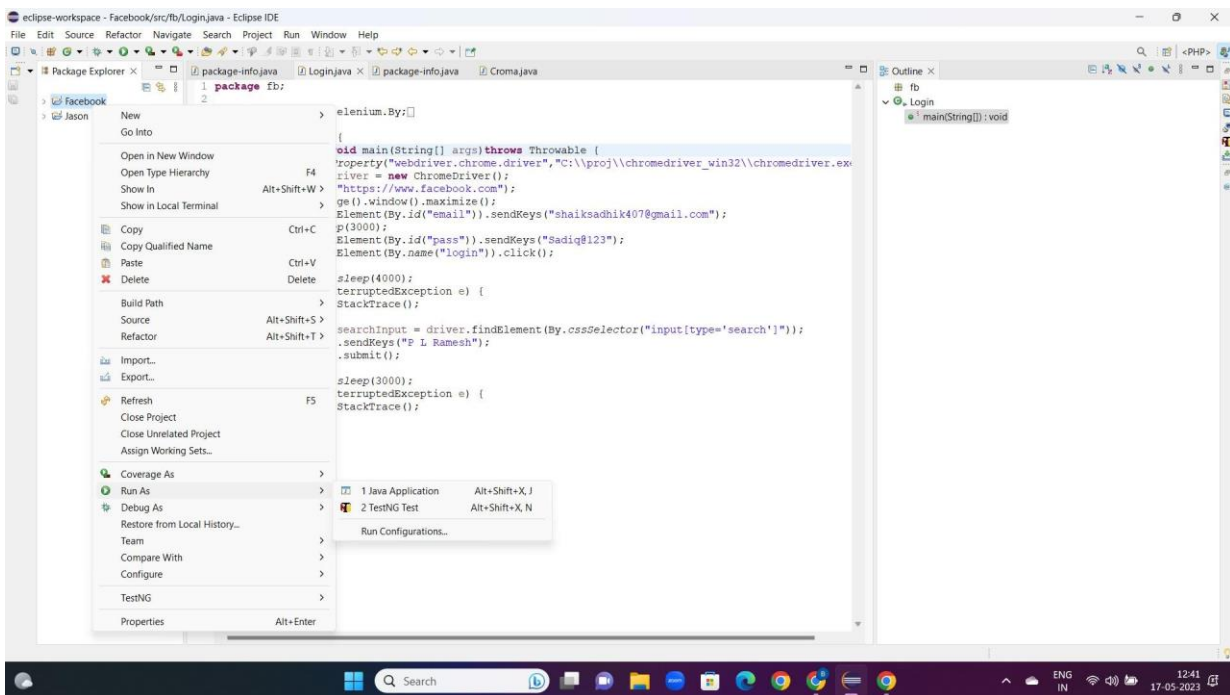


Console Settings:



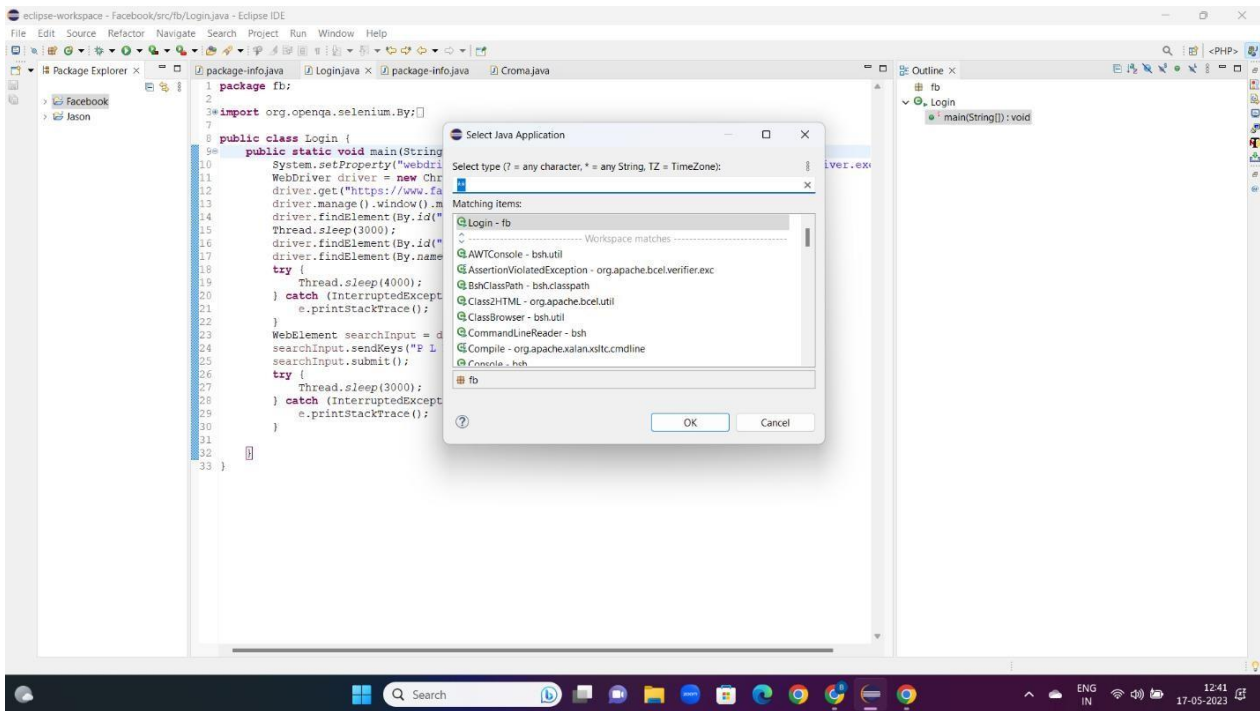
Running Java Application:

Click on facebook (application name) and click on run as and click on java Application.



Setting Class:

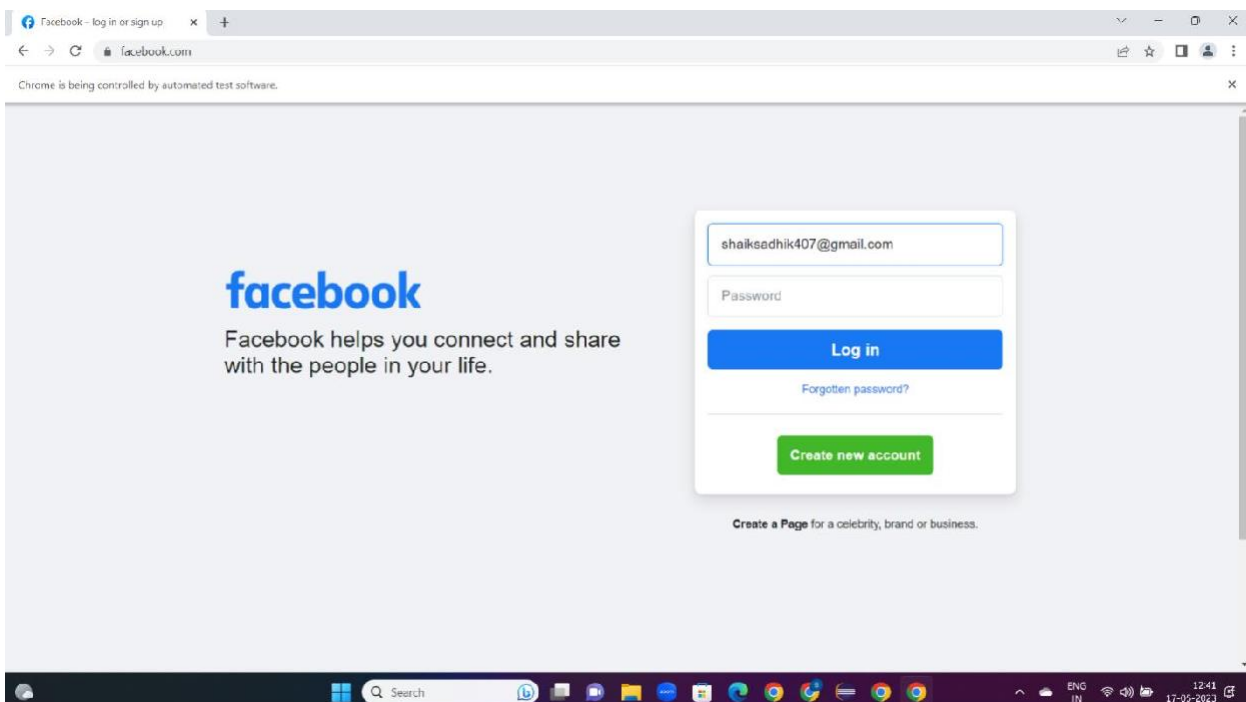
Set a class for Java application to run the application and select login-fb.



Auto Machen testing Started :

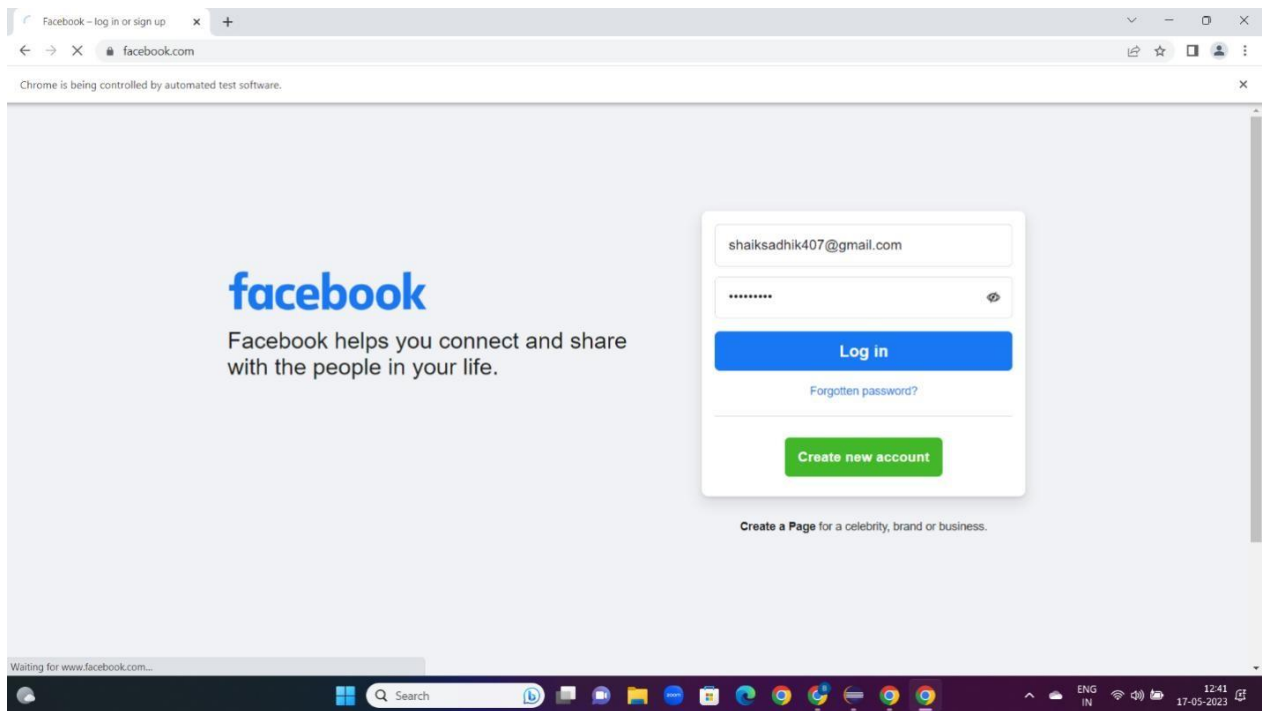
Step 1:

The application runs automatically with the given credentials.



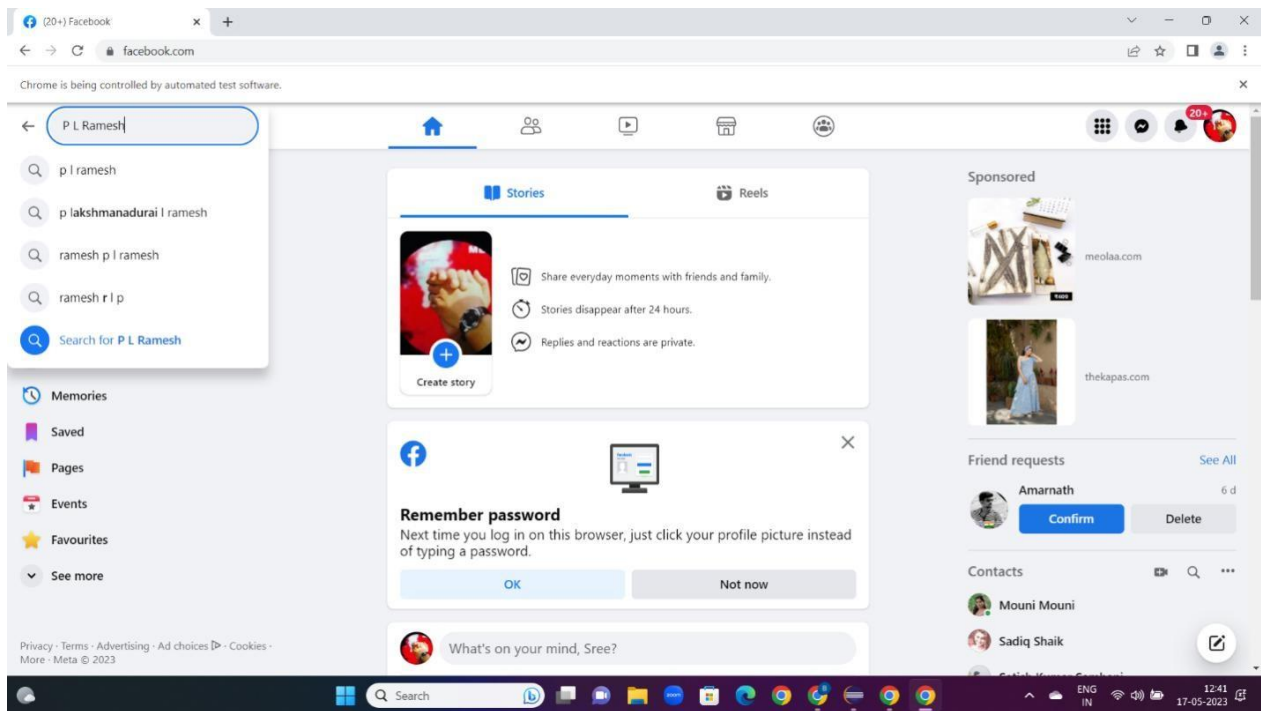
Step 2:

Enters the username and password and Login to account.



Step 3:

Success fully login and searches for Given id in the Code.



Step 4:
Sends friend request

Internal & External Evaluation for Semester Internship

Objectives:

- Explore career alternatives prior to graduation.
- To assess interests and abilities in the field of study.
- To develop communication, interpersonal and other critical skills in the future job.
- To acquire additional skills required for the world of work.
- To acquire employment contacts leading directly to a full-time job following graduation from college.

Assessment Model:

- There shall be both internal evaluation and external evaluation
- The Faculty Guide assigned is in-charge of the learning activities of the students and for the comprehensive and continuous assessment of the students.
- The assessment is to be conducted for 200 marks. Internal Evaluation for 50 marks and External Evaluation for 150 marks
- The number of credits assigned is 12. Later the marks shall be converted into grades and grade points to include finally in the SGPA and CGPA.
- The weightings for Internal Evaluation shall be:
 - Activity Log 10 marks
 - Internship Evaluation 30 marks
 - Oral Presentation 10 marks
- The weightings for External Evaluation shall be:
 - Internship Evaluation 100 marks
 - Viva-Voice 50 marks
- The External Evaluation shall be conducted by an Evaluation Committee comprising of the Principal, Faculty Guide, Internal Expert and External Expert nominated by the affiliating University. The Evaluation Committee shall also consider the grading given by the Supervisor of the Intern Organization.
- Activity Log is the record of the day-to-day activities. The Activity Log is assessed on an individual basis, thus allowing for individual members within groups to be assessed this way. The assessment will take into consideration

the individual student's involvement in the assigned work.

- While evaluating the student's Activity Log, the following shall be considered -
 - a. The individual student's effort and commitment.
 - b. The originality and quality of the work produced by the individual student.
 - c. The student's integration and co-operation with the work assigned.
 - d. The completeness of the Activity Log.
- The Internship Evaluation shall include the following components and based on Weekly Reports and Outcomes Description
 - a. Description of the Work Environment.
 - b. Real Time Technical Skills acquired.
 - c. Managerial Skills acquired.
 - d. Improvement of Communication Skills.
 - e. Team Dynamics
 - f. Technological Developments recorded.

MARKS STATEMENT
(To be used by the Examiners)

INTERNAL ASSESSMENT STATEMENT

NameOf the Student: CHIRUVOLU BHARATH

Programme of Study: Bachelor of Vocational in computers

Year of Study: 2021-2023

Group: B.Voc

Register No/H.T. No: (WT&SD)

Name of the College: K2002514

University: Kakaraparti Bhavanarayana College(AUTONOMOUS)
Krishna university

<i>Sl.No</i>	<i>Evaluation Criterion</i>	<i>Maximum Marks</i>	<i>Marks Awarded</i>
1.	Activity Log	10	
2.	Internship Evaluation	30	
3.	Oral Presentation	10	
	GRAND TOTAL	50	

Date:

Signature of the Faculty Guide

EXTERNAL ASSESSMENT STATEMENT

Name Ofthe Student: CHIRUVOLU BHARATH

Programme of Study: Bachelor of Vocational in Computers

Year of Study: 2021-2023

Group: B.Voc (WT&SD)

Register No/H.T. No: K2002514

Name of the College: Kakaraparti Bhavanarayana College(AUTONOMOUS)

University:SS Krishna university

<i>Sl.No</i>	<i>Evaluation Criterion</i>	<i>Maximum Marks</i>	<i>Marks Awarded</i>
1.	Internship Evaluation	80	
2.	For the grading giving by the Supervisor ofthe Intern Organization	20	
3.	Viva-Voce	50	
	TOTAL	150	
GRAND TOTAL (EXT. 50 M + INT. 100M)		200	

Signature of the Faculty Guide

Signature of the Internal Expert

Signature of the External Expert

Signature of the Principal with Seal