



INTERNSHIP REPORT
DARSHAN UMAKANT NAIK
1936

SJ Innovation LLC

Goa University

**REPORT OF INTERNSHIP DONE AT SJ INNOVATION LLC
PVT LTD**

Submitted by
DARSHAN UMAKANT NAIK
MCA Semester VI
1936

Under the guidance of
Mr. Paresh Bagi
QA Tech Lead, SJ Innovation



GOA BUSINESS SCHOOL
Goa University
Taleigao Plateau Goa-403206
JUNE 2022
GOA UNIVERSITY

CERTIFICATE OF INTERNSHIP



SJ INNOVATION PRIVATE LIMITED

CIN : U72200GA2018PTC013559

GSTIN : 30AAHCG3078Q1Z9

Date: 31st May 2022

TO WHOMSOEVER IT MAY CONCERN

This to certify that Mr. Darshan Naik, final year student at Goa University has completed his internship with SJ Innovation Private Limited from 1st February 2022 to 31st May 2022.

Mr. Naik worked in the post of Intern QA Engineer in the Software QA Department. We found him to be hardworking and dedicated to the tasks assigned to him.

We wish him all the best for his future.

Regards,

A handwritten signature in black ink, appearing to read "Abesh Shirodkar", with a horizontal line extending to the right.

Mr. Abesh Shirodkar

Director

For SJ Innovation Private Limited



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9923633235



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Plot No L 66/1, Phase II D, Verna
Industrial Estate, Verna Goa 403722

Registered Office
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Gogol, Fatorda, Goa 403601

GOA UNIVERSITY



GOA BUSINESS SCHOOL

CERTIFICATE OF EVALUATION

This is to certify that **Mr. Darshan Umakant Naik** has been evaluated for the project work titled “**Report of Internship done at SJ Innovation LLC**” undertaken at **SJ Innovation LLC, Verna Goa** in partial fulfilment for the award of the degree in Master of Computer Application.

Internal Examiner

Examiner

Date:

Place:

Dean, Goa Business School

Goa University

ACKNOWLEDGEMENT

First and foremost, I would like to thank Goa Business School, Goa University for giving me the opportunity to carry out internship and acquire real world industrial experience. I would like to give a special thanks to Prof. Ramdas Karmali, and Asst. Prof Jarret Stevan and teaching and non-teaching staff of Goa Business School

I would like to thank SJ Innovation Pvt Ltd for allowing me to do this internship and considering me capable to work on various projects.

I would like to express my to gratitude Mr. Shahed Islam (CEO, SJ Innovation) and Ms. Shahera Choudhury (COO, SJ Innovation) for giving me the opportunity to intern at SJ Innovation

I am also grateful to the members of my team especially Mr. Paresh Bagi (Tech Lead QA, SJ Innovation) for being my mentor and guiding me in order to enhance and polish my skills and also to Mr. Madhav Ranganekar (COO SJI GOA, SJ Innovation) for guiding me in my journey to SJ Innovation inner workings and also giving good advices

I would also like to express my special gratitude to SJ Innovation employees for giving me such attention and time.

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INTRODUCTION

The report is a short description of my full-time hybrid internship at SJ Innovation, Verna Goa.

I joined as an Intern at SJ Innovation on 1st February 2022 and have been here since then. This report contains necessary information about the organisation, the projects and mini projects I worked on and the other tasks I completed in this internship period.

In this chapter that will follow, I will talk about the company, the work here, the culture etc. Then I shall elaborate on the projects I worked on, a brief information about the projects, the modules I worked on and the tasks I completed in those modules.

This report highlights my learning experience and my contributions to the organisation as an intern. This will describe the knowledge that I gained by successfully completing the tasks that were assigned to me.

I'll also be talking about the tools and technologies that were used followed by my internship timeline.

I shall conclude by sharing my experience and how it has helped me to grow, both on the personal and professional front.

COMPANY PROFILE

| | |
|---------------------------|---|
| Name of Company | SJ Innovation Pvt Ltd |
| Founder of Company | Mr. Shahed Islam |
| Address of Company | Plot L-66/1, Phase II D, Verna Industrial Estate Verna Goa 403722 |
| Phone Number | 0832-2776354 |
| Email id | <u>goa.info@sjinnovation.com</u> |
| Website | <u>https://www.sjinnovation.com</u> |

Established in 2004, **SJ Innovation** have completed more than a decade in the software industry. We specialize in providing IT solutions worldwide having expertise in web and mobile development with end to end solutions.

Our head office is based in New York City with branches in Ukraine, India and Bangladesh. Our main focus always is to provide best services to our clients.

Our strength lies in our team members. We believe in applying new ideas and technologies to improve our team and client's satisfaction. Our project management team works out of the US office, offering you an overall better experience by effectively communicating your messages to the designer or developer.

We as a team collaborate with customers, support and grow with them to provide high quality work and ensure success. Moreover, we are constantly working on broadening our range of services and thriving to improving performance and maintaining long standing relationship with our customers. We are always ahead in keeping complete work status updated with our clients via email, chat, IM or Skype calls.

Our company continually works toward improving employee satisfaction and happiness, hence improving productivity and the quality of work.

Our services include:

- Web Design and Development
- Mobile App Design & Development (iOS, Android)
- E-commerce Development

- Quality Assurance
- Outsourcing Partners
- Website Maintenance
- Open Source Customization
- E-commerce Store Management

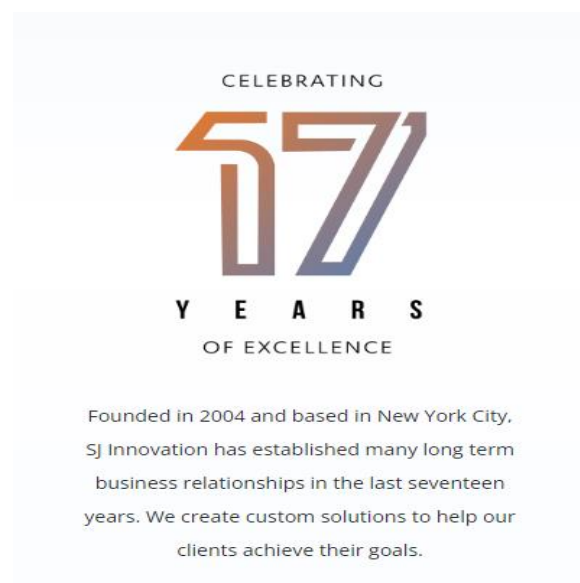
SJ Innovation currently has over 135 employees worldwide and continue to grow. All of our employees are experts in their field, offering you over 100 years combined experience.

Motto:

Employee Happiness Generates Client Success

Mission:

To continuously work hard towards client success. To have a happy productive workforce working together with the same vision.





Culture:

- **Be Humble** - Be down to earth and respect all, leave no room for arrogance.
- **Do Great Things Together** - Working with a team together is when you achieve great things
- **Work to make client successful** - Client is the fuel of the company, making client successful will keep the company running.
- **Take Accountability** - Make commitment to your responsibilities, be accountable for results and know you are in charge to take it to the finish line.
- **Embrace Challenge & Grow Yourself** - Challenging yourself to learn new things will expand your horizon.
- **Help Each Other** - True form of happiness is experienced when you help others.

WORK AT SJ INNOVATION PVT LTD

QA On-boarding Project

Overview

QA On-boarding Project are a set of tasks given to be familiar with working in the company and also some knowledge gains based tasked

Tools and Technology Used

- Google Sheets
- Git
- Postman

My Tasks

The tasks given by the organisation to learn and write are:

- Software testing and its types
- Software Test Plan
- Bug Report
- Test Case
- Software Testing Life Cycle
- Software Tester Role and Responsibility
- Command Line
- Database
- HTML
- GIT
- Software Processes
- Restful API and Postman

Also additional task was given such giving a PPT on Automation and a demo on it.

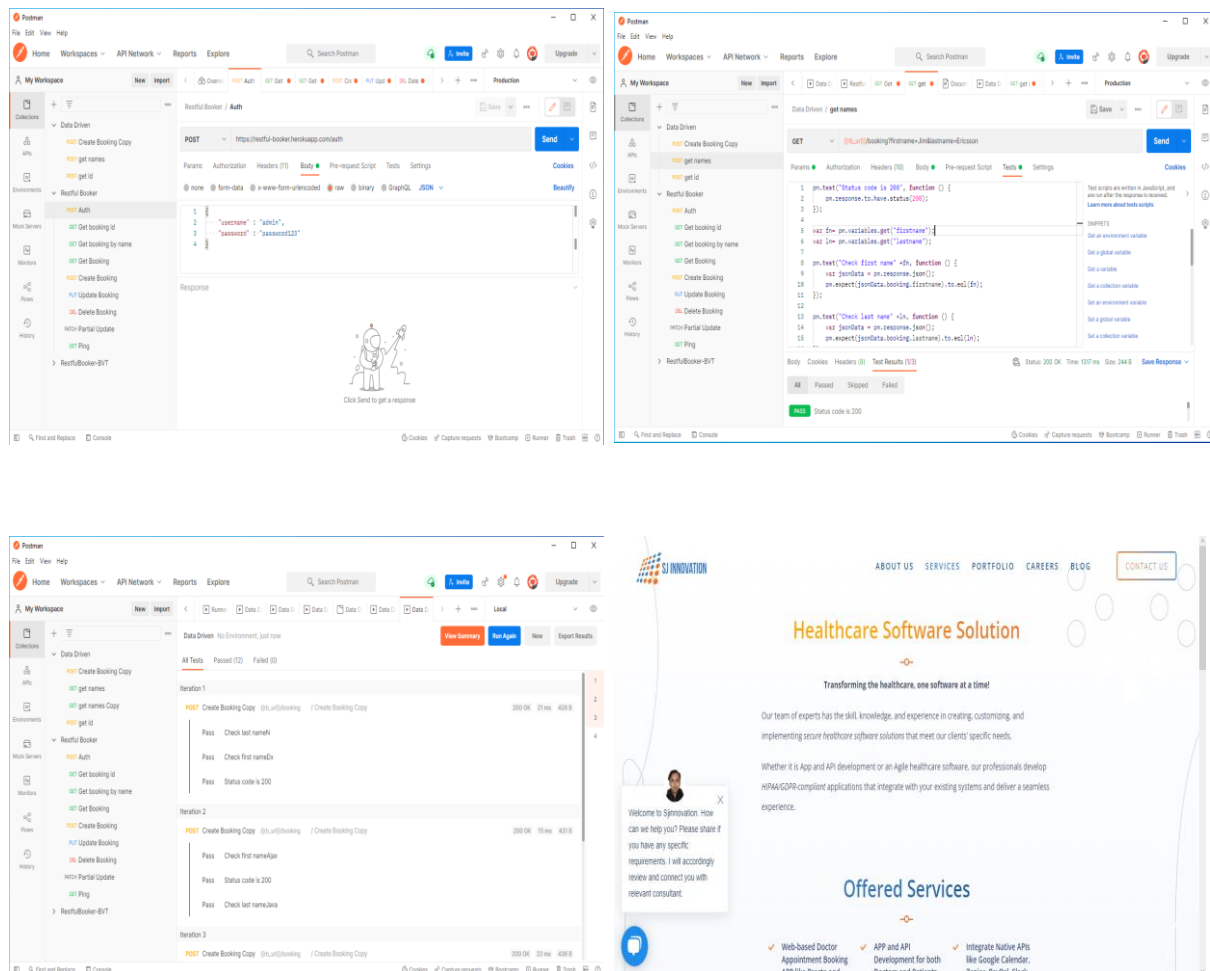
- Book reading on topics such as The Five dysfunction of a Team by Patrick Lencioni

My detailed tasks are as follows

- **Software testing and its types**
 1. Learning about what is software testing and various types of software testing done.
- **Software Test Plan and Bug Report**
 1. Learning about how to write software test plan and writing a test plan for an online ticketing system
 2. Learning about how to write software bug report and finding bugs and writing bug report on our SJ Innovation company website
- **Software Test Cases**
 1. Learning about how to write software test cases and writing test cases on our SJ Innovation company website
- **Software Testing Life Cycle**
 1. Learning about how software testing life cycle models works and terminologies
- **Software Tester Role and Responsibility**
 1. Learning about the roles and responsibility of a tester like what to what to do as a tester by going through an article
- **Command Line**
 1. Learning various command line options for Linux on Udemy executing them on code academy
- **Database**
 1. Learning various database commands on Udemy executing them on code academy
- **HTML and GIT**
 1. Learning GIT and HTML on code academy and Udemy and executing them on code academy
- **Software Processes**
 1. Learning about various software process such as v model, spiral model, and various other things through a course on coursera.

- **Restful API and Postman**
 1. Learning about what is REST API
 2. Learning about service API through test automation
 3. Exploring Postman and its manual doc
 4. Performing a simple automation test for a CRUD API restful booker like writing simple test scripts, using collections, setting up a server for a node form
 5. Data driven test using an external file to test the firstname and lastname using collection

Screenshots:



Project- Xcoobee Privacy and Contactless Payment Platform

Overview

Exploring the web application and finding bugs and reporting it, writing test cases on the project and doing monthly regression testing

Tools used

- Active Collab
- Trello
- Google Sheet

My Contribution

I was given the responsibility to find bugs and write them in a bug report, writing test cases for various modules in the application, performing regression testing on various browsers such as Firefox, Chrome etc.

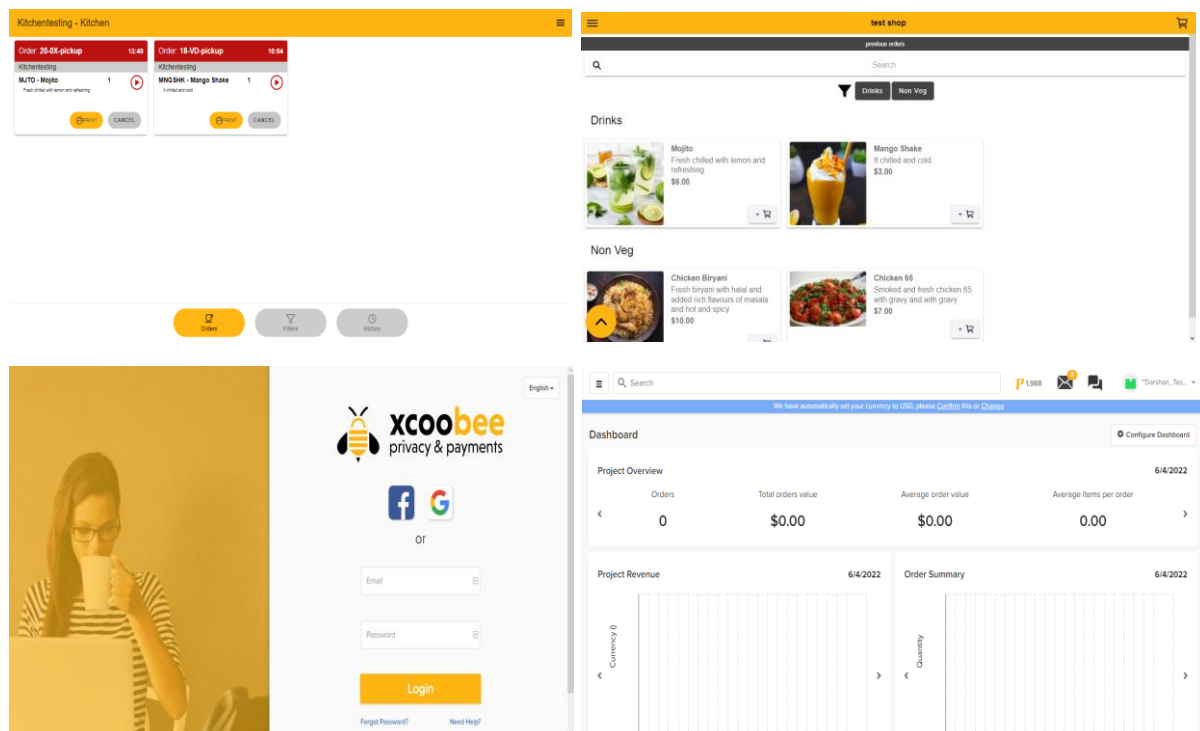
My detailed contribution is as follows:

- Exploring the modules and writing test cases
 1. restaurant shop
 2. Cart
 3. Payment module
 4. kitchen module
 5. Delivery module
- Checking test cards on Trello to see if the bugs are reported by the Senior QA and check if the bugs are already reported or not.
- Performing regression testing on the whole website and its modules
 1. Project and Project Groups
 2. Tags and categories
 3. Items
 4. Shops admin
 5. Users and Users group
 6. Addresses
 7. Orders and charges

8. Dashboard Charts
9. Kitchen App and Delivery App
10. Interactive shop and Direct Ordering Shop
11. Staff app and Staff manager app

- Performing various testing methods such as unit testing, integration testing, smoke testing, compatibility testing, exploratory testing, testing in qa/dev environment.

Screenshots:



Project- Calysta Pro EMR

Overview

Exploring the web application and finding bugs and reporting it, writing test cases on the project

Tools used

- Active Collab
- Google Sheet

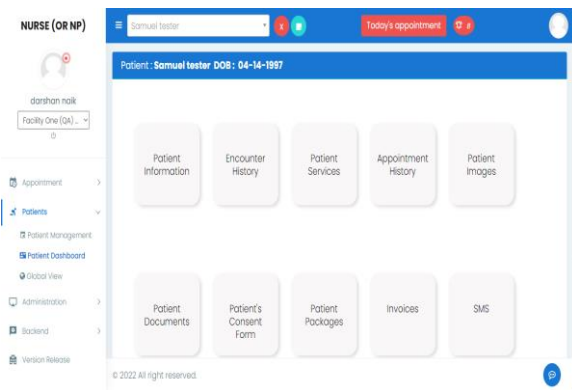
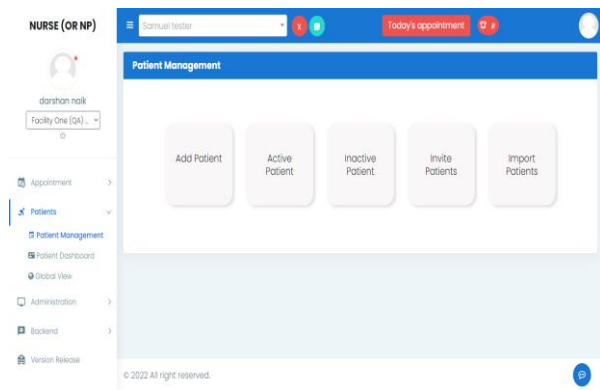
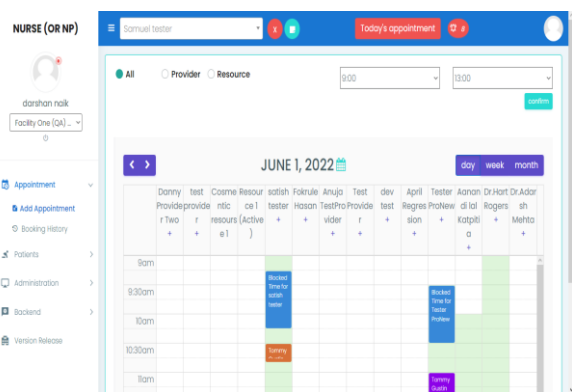
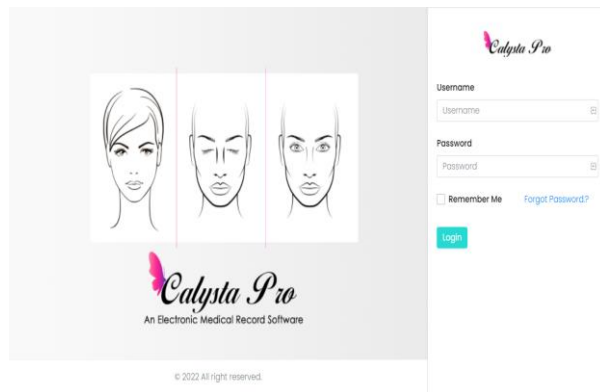
My Contribution

I was given the responsibility to find bugs and write them in a bug report, writing test cases for various modules in the application.

My detailed contribution is as follows:

- Exploring the modules and writing test cases on it such as:
 1. Add new patient details,
 2. Appointment history
 3. Active patients
 4. Inactive patient
 5. Invite patient
- Reporting bugs on modules in the Calystapro EMR website
- Performing various testing methods such as unit testing, integration testing, smoke testing, compatibility testing, exploratory testing, testing in both production and qa/dev environment.

Screenshots



Other Tasks

Neostrata by Johnson and Johnson

Overview

Exploring the PDP page of Neostrata finding bugs and reporting it on Active Collab

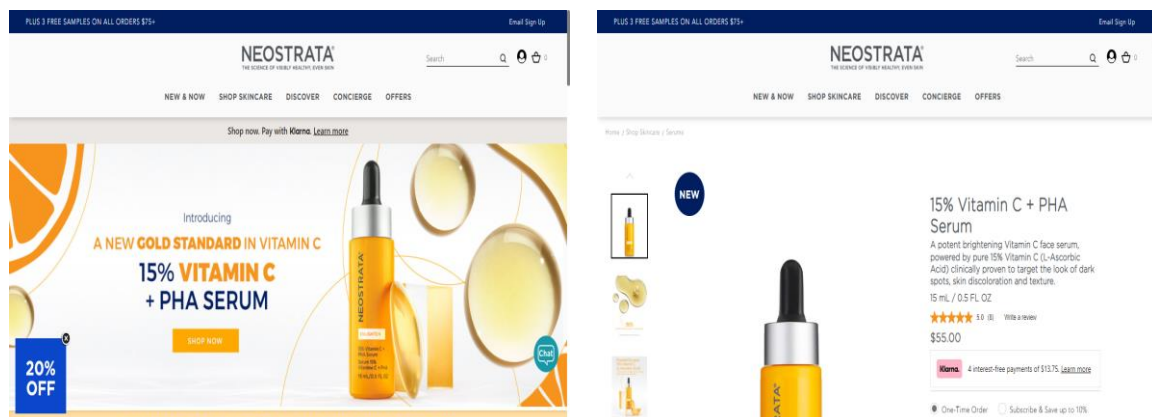
Tools used

- Active Collab
- Google Sheet
- Jira

My Contribution

I was given the responsibility to verify the images and videos of skin products and checking spellings and the page format of a PDP (Product detail page) on android, iPad OS and Firefox and reporting bugs on it. The task was reported on Jira and my findings had to be added on Active Collab.

Screenshots



Tools and Technologies Used



Android

Android is a mobile operating system based on a modified version of the Linux kernel and other open source software, designed primarily for touchscreen mobile devices such as smartphones and tablets.



iPad OS

iPad OS is a mobile operating system developed by Apple Inc. for its iPad line of tablet computers. It is a rebranded variant of iOS, the operating system used by Apple's iPhones, renamed to reflect the diverging features of the two product lines, particularly the iPad's multitasking capabilities.



Node.js

Node.js is an open-source, cross-platform, JavaScript runtime environment that executes JavaScript code outside a web browser.



Npm

npm is a package manager for the JavaScript programming language. It is the default package manager for the JavaScript runtime environment Node.js.



Git

Git is a distributed version-control system for tracking changes in source code during software development. It is designed for coordinating work among programmers, but it can be used to track changes in any set of files.



Active Collab

Active Collab is an integrated project management and collaboration tool that combines task management, time tracking, and billing into one easy-to-use and well-designed app



Postman

Simplify each step of building an API and streamline collaboration so you can create better APIs—faster.



Jira

Jira is a proprietary issue tracking product developed by Atlassian that allows bug tracking and agile project management.



Slack

Slack is a messaging program designed specifically for the workplace. Developed by American software company Slack Technologies and now owned by Salesforce, Slack offers many IRC-style features, including persistent chat rooms (channels) organized by topic, private groups, and direct messaging



Google Sheets

Google Sheets is a spreadsheet program included as part of the free, web-based Google Docs Editors suite offered by Google. The app allows users to create and edit files online while collaborating with other users in real-time. Edits are tracked by user with a revision history presenting changes.



Trello

Trello is a collaborative work management app designed to track team projects, highlight tasks underway, show who they are assigned to, and detail progress towards completion.

INTERNSHIP TIMELINE

February 2022

Week 1:

- Formal Orientation and Onboarding Process
- Software testing roles and responsibility
- Book reading on The Five Dysfunction of a team
- Software Testing and its types

Week 2:

- Software testing Life cycle
- Test case writing on SJ Innovation website
- Book reading on The Five Dysfunction of a team

Week 3:

- Bug report writing on SJ Innovation website
- Learning about database on codecademy

Week 4:

- Learning HTML on codecademy
- Writing more test cases on SJ Innovation website
- Writing bug reports on SJ Innovation website

March 2022

Week 1:

- Preparing PPT on Automation in Selenium
- Learning Command Line on codecademy and Udemy
- Learning Git commands on Udemy

Week 2:

- Learning about various Software Processes
- Learning about Restful API and Postman
- Preparing PPT on Selenium Automation and presenting it

Week 3:

- Receiving KT on Xcoobee project and receiving credentials
- Exploring the Xcoobee Website and exploring the setting the project, modules kitchen and cart on dev site
- Working on Postman

Week 4:

- Receiving KT on Xcoobee project
- Exploring the Xcoobee Website and exploring the modules shop admin, delivery
- Writing test cases on kitchen app and the shop module Xcoobee

Week 5:

- Exploring the Xcoobee Website and exploring the modules items, tags, exploring various project options such as Vouchers, setting items
- Writing test cases on delivery app and the payment module Xcoobee

April 2022

Week 1:

- Performing monthly regression on various Xcoobee modules such as project, project groups and tags
- Informing bugs to Senior QA and checking on trello reported bugs

Week 2:

- Performing monthly regression on various Xcoobee modules such as categories, items, shop admin and users
- Informing bugs to Senior QA and checking on trello reported bugs

Week 3:

- Performing monthly regression on various Xcoobee modules such as user groups, addresses, orders and charges
- Informing bugs to Senior QA and checking on trello reported bugs

Week 4:

- Performing monthly regression on various Xcoobee modules such as dashboard charts, kitchen app and delivery app.
- Performing various testing such as smoke, integration testing, compatibility testing, exploratory testing on dev environment.
- Informing bugs to Senior QA and checking on trello reported bugs

May 2022

Week 1

- Worked on Neostrata Johnson and Johnson task on PDP page testing
- Performing monthly regression on various Xcoobee modules such as staff app and staff manager app.
- Performing various testing such as smoke, integration testing, compatibility testing, exploratory testing on dev environment.
- Informing bugs to Senior QA and checking on trello reported bugs

Week 2

- Performing monthly regression on various Xcoobee modules such as interactive shop and direct shop ordering
- Receiving KT on Calystapro EMR software

Week 3

- Performing monthly regression on various Xcoobee modules such as interactive shop and direct shop ordering
- Receiving KT on Calystapro EMR software
- Writing test cases on Calystapro EMR modules add new patients, appointment booking history

Week 4

- Writing test cases on Calystapro EMR modules active patients, inactive patient, invite patient, patient information
- Reporting bugs on various calystapro module to senior QA
- Performing various testing such as smoke, integration testing, compatibility testing, exploratory testing on and production environment and dev environment.

Overall Experience at SJ Innovation

My Internship Period of 5 months have been amazing which taught me a lot about Information Technology industry. Last four months in this Company has been truly an amazing and great experience to work in such a well maintained, disciplined and reputed workspace. This was my step into Corporate Life. It was a completely new environment where I first encountered the transaction between student life and industry life with new roles and responsibilities. Initially it was hard in adapting to a very new place but slowly I got settled very well. The work environment is so casual & friendly that it feels so comfortable. I'm very much thankful to my mentor who is the team lead who have helped me with many technology related doubts as well as industrial doubts.

I was always curious about how the actual testing takes place which I got to experience here. Also learnt that learning and keeping ourselves up-to- date with new technologies is as important as working on any technology. As my internship draws to a close and I reflect back on all I have learned, I realize what an excellent experience this has been. I gathered much knowledge in the classroom, but a hands-on approach has been invaluable. It has served as a beneficial ending to my formal education.

In my opinion, the best way to learn is by doing. I am truly grateful for this opportunity. I know this will help when looking for jobs and needing references. We all know that practical experience is the best, and internships give students that hands-on experience they need. I feel that quality internships are essential to develop key skills that you can't get in a classroom. Skills such as multitasking, task management, communicating, learning to deal with diversity, and dealing with deadlines are different when you are working for someone else. It is amazing to see how people from different regions stay as one family and work together.

Appreciation is what it takes for keeping us motivated and I was constantly being appreciated for completing the task which was assigned to me.

The biggest skill that was enhanced during the internship was the ability to adapt and learn. This internship has given me insights into the software world and how things actually work in the industry. The internship has been very technical and has improved my technical knowledge tremendously.

There were also various fun activities held by the company to improve the team bonding and also organizing various technical session and personal development classes which helped us to know about the new technologies and helping to improve your personality.

I also got a chance to communicate with professionals who motivated me to achieve a better understanding and knowledge of the domain, technology as well as industry related environment. To conclude, this internship has inspired me to pursue a career in the field of software development technology and to excel in it. It was a great learning experience and I consider myself honored for being a part of SJ Innovation Pvt. Ltd.

References

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3. <https://developer.mozilla.org/en-US/>
4. <https://www.youtube.com/>
5. <https://www.tutorialspoint.com/index.htm>
6. <https://www.w3schools.com/>