INTERNSHIP 2020

RPA AUTOMATION- **G1ANT**

(Websites, Android application’s, Desktop apps etc.)

**PROJECT:-** TRAVEL ARRANGMENTS

**INPUTS:-** cabs + travel, air, road, rail, sea, stay.

**WEBSITE:-** [WWW.YATRA.COM](http://WWW.YATRA.COM)

**SOFTWARE:-** VISUAL STUDIO, G1ANT

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**INTRODUCTION**

In this project we developed addon using selenium commands, api, enums. This was very good experience, while gaining some knowledge. This project developed by the two contributors Sunil Adsul & Rishabh Mishra. In this coding we developed commands and made automation testing. This addon is made for [www.yatra.com](http://www.yatra.com). The automation made for automatic booking, login, logout. So user is able to make his journey. The code developed in the software called ‘Visual Studio 19’, & then tested using bot called ‘G1ant Studio’. In the g1ant studio we can run our project which created in the ‘Visual Studio 19’.

During project creation we faced some difficulties like, finding Proper xpath. **XPath** (XML Path Language) is a query language for selecting nodes from an XML document. In addition, **XPath** may be used to compute values (e.g., strings, numbers, or Boolean values) from the content of an XML document. Also the arguments is necessary parameters to cover the program output**,** To set command-line **arguments in Visual Studio**, right click on the project name, then go to Properties. In the Properties Pane, go to "Debugging", and in this pane is a line for "Command-line **arguments**." Add the values you would like to use on this line. They will be passed to the program via the argv array.

**PROJECT**

**G1ANT STUDIO**

G1ANT.Robot was created to accelerate automations so you can scale up fast and enhance your company’s growth rapidly by not having to grow organically. Instead, since G1ANT.Robot can emulate human tasks performed on a computer, by automating time-consuming, repetitive and manual processes, you will be able to free up resources to spend more time with customers or perform more creative tasks, therefore enhancing effectiveness and productivity.

**VISUAL STUDIO**

**Microsoft Visual Studio** is an [integrated development environment](https://en.wikipedia.org/wiki/Integrated_development_environment) (IDE) from [Microsoft](https://en.wikipedia.org/wiki/Microsoft). It is used to develop [computer programs](https://en.wikipedia.org/wiki/Computer_program), as well as [websites](https://en.wikipedia.org/wiki/Web_site), [web apps](https://en.wikipedia.org/wiki/Web_app), [web services](https://en.wikipedia.org/wiki/Web_service) and [mobile apps](https://en.wikipedia.org/wiki/Mobile_app). Visual Studio uses Microsoft software development platforms such as [Windows API](https://en.wikipedia.org/wiki/Windows_API), [Windows Forms](https://en.wikipedia.org/wiki/Windows_Forms), [Windows Presentation Foundation](https://en.wikipedia.org/wiki/Windows_Presentation_Foundation), [Windows Store](https://en.wikipedia.org/wiki/Windows_Store) and [Microsoft Silverlight](https://en.wikipedia.org/wiki/Microsoft_Silverlight). It can produce both [native code](https://en.wikipedia.org/wiki/Machine_code) and [managed code](https://en.wikipedia.org/wiki/Managed_code).

**G1ANT** Commands

addon xlsx version 4.104.0.0

addon yatra version 1.0.0.0

addon core version 4.107.0.0

addon language version 4.106.1.0

-Open xlsx file to get input

xlsx.open path ‴C:\Users\Sunil Adsul\Desktop\yatra.xlsx‴

- Opening Yatra in Chrome

yatra.open searh

- Giving Login Credential

yatra.login email ‴suniladsul26@gmail.com‴ pword ♥credential⟦yatra:password⟧ search

delay 5

- Getting value from excel file previously stored

xlsx.getvalue row ‴1‴ colname ‴A‴ result ♥search

- Searching account to follow

yatra.search searchvalue ♥search search

delay 5

- Booking bus command

yatra.bus search

delay 5

yatra.refresh search

- Booking flight command

yatra.flight

delay 10

- Booking train command

yatra.train

delay 5

- Booking cruise command

yatra.cruise search

delay 5

- Cab Booking command

Yatra.cab

delay 5

- Hotels Booking command

yatra.hotel

delay 5

- Yatra Logout command

Yatra.logout search

- Closing Browser tab

yatra.close

G1ANT PROJECT COMMANDS & USE

**yatra.open**

This command is used to open chrome browser, provided in the argument and then open website.

**yatra.login**

This command is used for login into the website by providing credential in g1ant studio.

**yatra.bus**

In this command user can book any bus. This command books bus automatically & also provide println copy to the user. First bot select from & to option’s then clicks on search tab to find out any available bus. Next bot select seats as user created in the programs. Then bot select boarding and dropping points. Next bot confirms seats. Then bot make payment through user payment credentials.

**yatra.train**

This command is used for booking the train tickets. First bot create depart & going provided by the user. Next bot ask USER ID. And then booking process start.

**yatra.flight**

This command is used for booking flight ticket’s. First bot select Depart from & Going to then make departure date. After that bot searches available flights and show result. Next window bot select book & next further proceed for payment after payment done user receive successful message.

**yatra.cab**

This is cab booking command. First bot makes Select Origin & then Select Destination. Then bot create Depart date & Return Date. Next bot click ‘search cabs’ button. Next bot show available cabs. Then booking process start provided by the users.

**yatra.hotel**

This command is used for hotel book. First bot makes check in & check out provided by the user. Then bot pics room. After that bot click on ‘search hotels’. Next bot start booking process and after that bot make payment which credential’s provided by the user.

**yatra.cruise**

This command is used for cruise booking. By sea way, First bot make Destination/river, Then create date. Next bot click on search button and show available cruse. After that selection bot start making final payment step and user receive message.

**yatra.refresh**

This command is used to refresh current opened tab in the given instance. This is quick process.

**yatra.logout**

This command is used for logout from the given instance.

**yatra.close**

This command is used to close all tabs.

**note project**

Sender email address (in g1ant credential container) as well as the traveler email address (in excel file ) should be same. As when the sender sends the email regarding preference choice, the traveler sends the preference written in subject of the email. To make this whole process fast and automatic, same email address should be used.

**CONCLUSION**

1. In this internship we learned website & app automation.

2. This project is helpful for successful learning.

3. Developed knowledge & intelligence

4. Implemented programming skills.

5. Learned G1ANT & VS-STUDIO successfully.