# Manual testing:

Manual testing is the process of Manually testing Softwares to rectify defects, it requires a tester to complete the task.

S Byan haraning

# Automation Testings

It is a process of stimularting Actions in the given system. Using an Automation tool.

Help of test cases.

## Need of Automation:

\* It May results in human errors To overcome those defects we need automation. It is not a time consuming.

# What to Automate:

The "identical test cases that need to be executed using different browsers and that test have multiple data values for same action.

## What Not to Automate:

Test cases May be executed once and it cannot be used for sandom testing test cases that require Manual interventation i.e when the task is not possible to automate.

## Advantages:

\* less execution time and efforte at 1000001

\* It is open source and does not affect whitepar to a spectal partner of secontrol problems

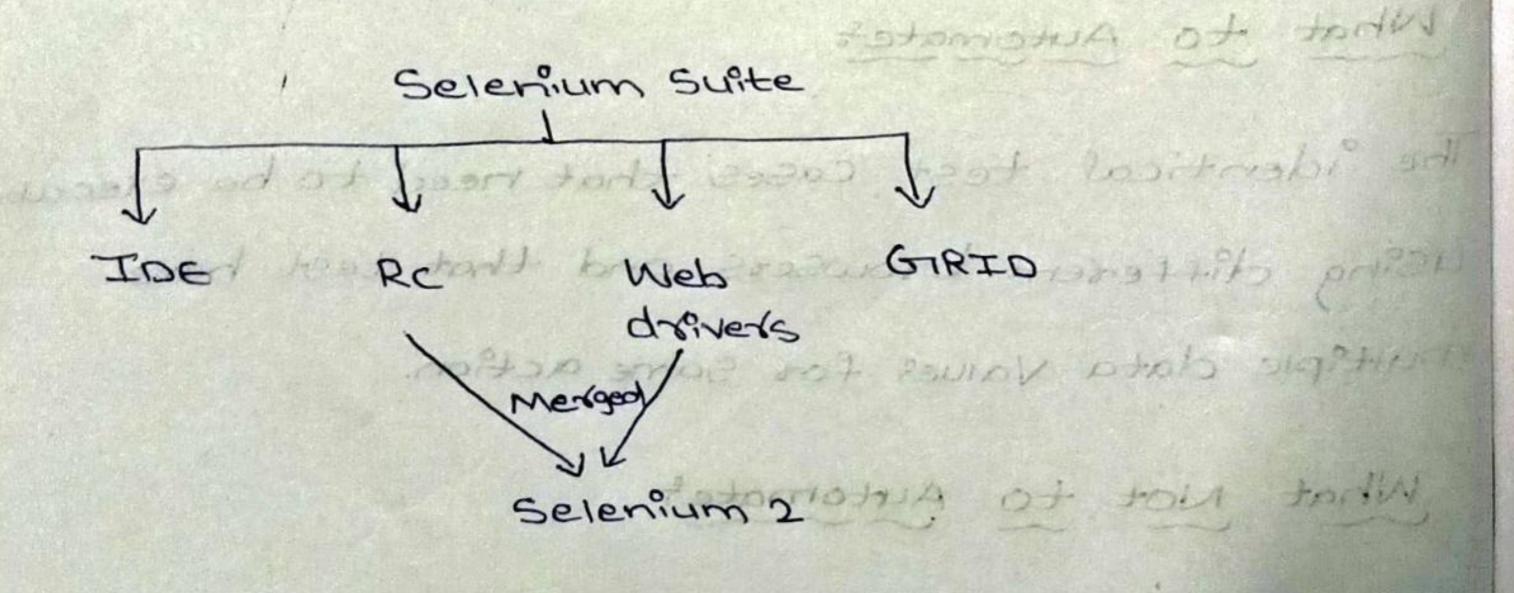
# Selenium & dent att att att

\* It is a free open source automated testing Suitefor Web applications across different browsers and platforms.

### dood notherwated on putter without making Selenium Suite:

Emplomodula 20 book There are 4 components

- 1) Selenium IDE
- 2) Selenium RC (Remote control) 3) Web Driver motion been su estastas sands
- 4) Selenium GIRID



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It has some between and port established the Web browsen Groogle chrome IDE JOK ECILIPSE Selenium Serven

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## Week-1

- 1) Download Sava Sak Verssion
- 2) Download Selenium Server (Verssion of Selenium Server 4.5)

After Downloading Selenium Server don't run it

- 3) Chrome Driver Download
  ?) To Check Chrome Driver Version
- 4) Download ecripse idle
  - 1) After downloading eclipse, launch eclipse
    Down space
- 5) Create new project, After Creating the project go to Selenium Server folder in dawnloads, do copy and comeback to the eclipse vight click below the new project, do paste.

Service act Michigan Manager Manager Manager 1 : Write a program using Web Driver to open cmrit. were to among a men of the baseline down of and selection in the equal is seen and the Steps, 12 ambally 1/2 approminations i) Set the path, Web Driver 2) Object of chrome 3) Maximise window (10) 4 Assa URL " Pust briss most donose Threead (2000) 2004 know 200 1000000 Hacod , Steep (15000); Web Element - CMRIT 6) Submet the text. Source code ? Package EXAMPLES; impost org. openga. Selenium. By; impost org. openga. Selenium. Keys; impost org. Openga. Selenium Web Driver; impost org. Openga. Selenium. chrome. chrome Driver; Public class Groogle Search - CMRITS Public Static Void main ( string (7 args) throws Interrupted Exception System, set property ("webdriver, chrome, driver,

"C? | Users 11 Stydents 11 Downloads 11 Chrome driv several david profess, morganing in stand of 9x3 Win 32 11 chrome driver. exe"s; 1239A00 10030 OF Web Drower drover = new chrome Drovers (); d-liver. get (" https:// www. google.com/"); d'éver. manage (). Window (). maximize (); Thread. Gleep (2000)iv its Web Element Search bard = driver. Find Eleme wobriev 35Pmixon (By. name ("q")); 4 Search Bar. Send Keys ("CMRIT"); Search Bar. Send Keys (Keys ENTER); disvers. quit ci; Igni) - marrial daw ( trat orth tondus (5 sopos sopos PUCKAGE EXAMPLES! ing cont one conso servicins By i spiral confirmates spirage, person tragery trageni esured dall musicasion bed posto rongeril a mords amonts militarion opresque poo 10001061 2 MISMO - Normal Spoon want silling (a) to property property below setting 

Scanned by TapScanner

Aim: Launch Mercury Tour Website

a) Click Register link to get Registration page

b) Click Submit.

# Algorithm:

- 1. Write the test cases for each
- 2. White test case to open google
- 3. Seasch for mercury tour search
- 4. Click on registration page for new registrations.
- 5. Write test case to fill all fields
- 6. Click on Submit button

builder in Element Couston submid

7. test case for close the website if the new registration is successful.

#### Source code:

Package CMRIT. CMRIT - Assignment

impost org. openga. Seiensum By;

impost org. openga. Selenium. web oriver;

impost org. Openga Selenium Web Element;

impost org. openga. Selevium. chrome, chrome oriver;

mpost org. openga. Selenium. Interactions.
Actions.

Public class Mercury Tour - Registration &

Public static void main( string[] args)

throws Interrupted Action

The state of the state of

System. Set property ("webdriver. chrome.driver") c:11 Users11 LENOVO (1 Downloads 11 chrome.driver. exe");

Web Driver driver = new chrome, Drived driver manage (). window (). maximize driver, get L" https:// www.mercury travels.co.in/");

Thread Sleep (2000);

Actions builder = new Actions (driver)

Service transferre

Web Element Elistomer Login =

drever find Element (By. x path ("(1)a

- Space () = 'customer Login'7[27"]);

builded move To Element (customer Login)

Perform ();

Web Element register = driver find Element (By, X Path ("(11a C@href = "#") Charmalize - space (1 = (Register))[27"));

register. cick ();

Thread. Sleep (2000);

Web Element first Name = driver find

Element (By X path ("(11 input @id = 'acc - first.

Mame T) [1]"));

first Name. Send Keys (" Vaibhav");

Web Element Last Name = driver. find
Element (By Xpath ("(11 input @ od = 1 acc Last - name]) [1]");

```
1984 Name. Send Keys ("chadewar");
                                Web Element email Id = driver, find Element
                              (By xpath ("(11 input Cold= acc - user - password
                                               JC11,11:
                                      email. Send Keys ("chadewar vaibhau4@gmail.
                              Web Element Set passworld = driver, find Element
                             (By. x Path ("(11 input [@id='acc-user-password)
                                                                                                                   THE CONTRACT SUPPORTS A LIBERTY OF
                                                      C13 ,, 1);
                                         Email Set passworld. Send Keys ("Vaibhauz");
                                           1 - Lite Lynn & O. French Child Sty 110 perilari
                                 Web Element Mobile Number = driver, find
                               Element (By. X path ("(11 input Coid = lacc - mobile-
                                                           10,1 C11,1)
                                        Mobile number. Send Keys ("8978469122");
                                  Web Element register Btn = driver. find
                              Element (By, x path ("(11 button cnormalize-
                                     Space () = ( Register)) [17");
                              and the stable removed to a sopre
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                                                                            register Btn. crick (1;
                    Thread. Sleep (Sobol;
               arrest in something
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Land of the form of the second state of the se
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### Expersiment -3

Aimit Write a code to search specific month in the Facebook degistration Page.

### the real world was sound to 1) Even I break . Borres Algorithm:

Package CMRIT. CMRIT - Assignments

- Therepage Face Jac -1. Search google website

  - 2. Fetching Facebook Page 3. Sending all details into required fields
    - 4. click on login button
  - 5. > Exit from the page 109 x (19) thismiss

### Source code: eport brise redriving sidoM

Package CMRIT. CMRIT - Assignment;

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impost org. openga. Selenium Web driver;

impost org. openga. Selenium Web Element;

impost org. openga. Selenium. chrome. chrome. Oriver. D-GIVER:

impost org. openga. Selenium, Support. u. select;

Public Class Facebooks

Public Static Void main (Stringe) Orage) throws Intersupt Exception

System. Set property ("webdriver. chron driver", "CIllusers II LENOVO 11 Download 11 chrome driver . exe");

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Web Driver driver = new Chrome Driver (1;
              driver manage () window () maximize ();
             driver. get (" https:11 www.facebook comi");
              Thriead. Sleep (2000);
                                    the west of the control of the same of the
            Web Element Create New Account Button =
driver. find Element (By. X path ("(11a Cnormalize -
                                    Space () = ( C* eate New Account ) (1)");
                        Cheate New Account Button, click(1);
                      Thread. Sleep (5000);
                    Web Element first Name = diliver, find Element
                                 (By-name ("forstname"));
                           forst Name. Send Keys ("Vaibhav");
                     Web Element SurName = driver, find Element
   (By name ("last name"));
                           Sur Name. Send Keys ("Chadewar");
                   Web Element mobile NO OY Email Id = driver. Find
             Element (By name ("Yeq-email-")
             mobile No or Email ID. Send Keys ("1234567890")
               Web Element password = driver find Element
       (By name (" deq - pass wd - "11;
           Password. Send Keys ("123 Vaibbav");
              Thread. Sleep (2000);
              Select date Dropdown = new
 Select (do ver. find Element (By name ("birthday-day"))
                               date Oropdown. Select By Valle ("10");
                                Thread. Sleep (2000);
                               Select month dropdown = new
```

```
Select (driver find Element (By name ("bixthdo
         month 1111
     month drop down. Select By value ("12");
             Thread. Sleep (2000);
              Select year Dropdown = new
     Soles of the second weeks about a description of the second
      Select (driver. find Element (By.name("Brithday-4
     supplement of the property x post treations to
            yeard top down. Select By Value ("2001");
               Thread. Sleep (2000);
              Web Element male Radio bth = d-liver. find
       Element (By. xpath("(11 label chosmafize - Spaced
              = (Fernale') CIJ");
                fernale Radio btn. click ();
                Thread, Sleep (2000);
                Web Element Sign up btn = driver find
                 Element (By name ("we Submit"));
                Sign up Btn. click (1;
                             and tearnal a dally
 Thread. Sleep (2000);
                System. out. printin ("performed click
royar Japacein) Span ban
                                     action");
                 driver quit (1;
 INTO BELLE TOURS TOURS OF THEIR STANDS
                       Mr-kusang-par Damer Hald
               1 world low S.Cl " I Charle house & hereward to
                           Marie Lower States
                     reger in unbacket what doublest
quied a relativist of some 1000 to a rest of the out of the state of
       11 miles ) survey for trapped oursely a tolo
                     Marco Degrate ded or of the
            were a constiguete during the party
```

Anno White a program which pops out an alext message in frame in personal banking login page

Algorithms

- 1. Open banking Website
  - 2. add key value to map as follow to switch off browser notification
  - 3. After opening the banking website it gives one pop-up by using test case in our code

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43713 93315 9DODGE

Source code:

Public CMRIT. CMRIT - Assignment;

import gava. util. Hash Map;

impost org. openga. Selenium. By;

import org. openga. Selevium web Driver;

impost org. openga. Selevium Web Element;

impost org. openga. Selenium. Chrome chrome Driver;

impost org. openga. Selenium. Chrome. chrome options;

Public class Banking - site Alext popup &

PSVm(String [ ] args) throws Interrupted
Exception

5

Map Listeling, obsect > prefs = new Hash map L String, obsect > C);

```
prefs. put ("profile. default_content-setting.
Values. notifications", 2);
```

Chrome options options = new chrome option

Options. Set Experimental option ("prets", pr

System. set property ("webdriver. chrome. driver

"CITUSERSII LENOVOII Downloads II Chrome deiver. exe");

Web Driver driver = new chrome Driver (options);

driver manage (1. window c) maximize ();
driver get ("https: 11 www. axisbank.com/")
Thread. Sleep (2000);

Web Element popup close = driver find

Element (By. xpath ("Intmi cit) bodycit ldivers!

divers (divers);

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Populp Close. click ();

driver. close ();

Thread. Sleep (2000);

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## Week-5

#### Aim&

Write a test code to search result section on cmrit website

### Algorithmi

- 1. Open google website
- 2 Seasch for CMRIT site
- 3. Take one official ID of any Student in consit college
- 4. By using that Id we are accessing conrIT Website and giving the info to that student
- 5. It will be redirected to opening the results of that Student.

#### transport to brill the courts to be but to the source Source code: Later to the state of the property of the state of the st

Package CMRIT CMRIT - Assignment;

impost org. Openga. Selenium. By;

import org. openga. Selenium. Keys:

impost org. openga. Selenium Web Driver;

impost org. openga. Selenium Web Element;

import org. openga. Selenium, chrome chrome Driver,

impost org. Openga. Selenlum. interactions. Actions

Public Class CMRIT\_ Student Results 5

psum (string [] args) throws Interrupted Exception

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System. Set property ("webstriver. chrome driver", "chusery ENOVOII Downloads 11 chromodriver. eve");

Web Driver driver = new Chrome Driver (); d'éliver. manage (). Window (). manage driver, get ("https:// www. google.com/"); relitand the domand of shirt Thread. Sleep (2000); Web Element Search bar = driver. find Element (By name (" q")1; Search Bar. Send Keys ("CMRIT"); Search Bar. Send Keys (Keys. ENTER); Web Element Consit link = driver. find Element (By. xpath("(11h3 T contains (text c), home-CMR INSTITUTE OF TECHNOLOGY, Hyderabad, Ter CIDINI: ECIDINI: Crnrit link. Click (); Thread. Sleep (3000); Actions builder = new Actions (driver); Web Element Student = driver. find Element (By. 10 (" 1 htm 1 c 1 7 1 body c 17 1 diver 7 1 diver 1 section c 37 1 diver divers I divers I divers I have 131 years lices I acm builder move To Element (Student) performe Student, click (); Thread Sleep (2000); Web Element Student Login = driver. find Element (By. x path ("thinput" Intmici31 bodyci7 idiucialdi (Section e37) divoi7 (divoi7) (divoi7) (divoi7) MC12/16/02/11/11/06/12/11/11: Student. login click (1; Web Element User Name = driver find Elem ( By. x path ("(( 11 input regid = 1 + x + U ser Name ) Trosead. Sleep (2000); User Name. Send Keys ("20ROTA 6610 pil);

```
Web Element nxt Btn = driver find Element
   (By. Name ("btn Next"));
   MXB+n. Click CI;
  Web Element password + driver . find Element
(By. xpath("(11 input to place hader = (Enter password)
  C17"11;
   Password. Sendkeys ("20ROTAGGIOP");
   Web Element Submit = driver. find Element
 (By. X path ("(11 input @ name = btn submit ]) [1]");
```