**Week 1:**

Download and Install JAVA, Associate SWD Jars and Browser drivers.

**Week 2:**

Launch Mercury Tour website

a) Click Register link to get registration page b) Fill fields

c) Click submit d) Close site

**Week 3:**

Write a code to search a specific month in the Face book registration page (Birthday).

**Week 4:**

Write a program which pops out an alert message in frame in personal banking login page.

**Week 5:**

Write a test case to search result section on CMRIT Website.

**Week 6:**

Write a test case to perform automation on Ajio shopping website.

**Week 7:**

Write a program in web driver to open Google and search CMRIT.

**Week 8:**

Write test case to open Google and download a image from Google images of cmrit website.

**Week 9:**

Write test case to get number of list items in a list.

**Week 10:**

Write test case for validation in Gmail registration page.

**Week11:**

Write test case for myntra sign in page.

**Week12:**

Write test case to convert PDF from word.

**Week 2(Mercury Home Tour)**

package week2;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

public class Mercury {

public static void main(String[] args) throws InterruptedException {

System.setProperty("webdriver.chrome.driver","C:\\Users\\student\\Desktop\\Selenium Lab\\chromedriver-win64\\chromedriver-win64\\chromedriver.exe");

WebDriver driver=new ChromeDriver();

driver.manage().window().maximize();

driver.get("https://www.mercurytravels.co.in/");

Thread.sleep(2000);

Actions builder = new Actions(driver);

WebElement customerLogin = driver.findElement(By.xpath("(//a[normalize-space()='Customer Login'])[2]"));

builder.moveToElement(customerLogin).perform();

Thread.sleep(2000);

WebElement register = driver.findElement(By.xpath("(//a[normalize-space()='Register'])[2]"));

register.click();

Thread.sleep(2000);

WebElement firstName = driver.findElement(By.id("acc\_first\_name"));

firstName.sendKeys("k jyothi");

Thread.sleep(2000);

WebElement lastName = driver.findElement(By.id("acc\_last\_name"));

lastName.sendKeys("b");

Thread.sleep(2000);

WebElement emailId = driver.findElement(By.id("acc\_user\_email"));

emailId.sendKeys("jyothibapani@gmail.com");

Thread.sleep(2000);

WebElement setPassword = driver.findElement(By.id("acc\_user\_password"));

setPassword.sendKeys("12345");

Thread.sleep(2000);

WebElement confirmPassword = driver.findElement(By.id("acc\_user\_passconf"));

confirmPassword.sendKeys("12345");

Thread.sleep(2000);

WebElement mobileNumber = driver.findElement(By.id("acc\_mobile\_no"));

mobileNumber.sendKeys("7386651866");

Thread.sleep(2000);

WebElement registerBtn = driver.findElement(By.xpath("(//button[normalize-space()='Register'])"));

registerBtn.click();

Thread.sleep(1000);

}

}

Week 03(Facebook Validation)

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

import org.openqa.selenium.support.ui.Select;

public class FacebookReg {

public static void main(String[] args) throws InterruptedException {

System.setProperty("webdriver.chrome.driver", "F:\\Lab\\Updated\\chromedriver-win64\\chromedriver.exe");

WebDriver driver=new ChromeDriver();

driver.get("https://www.facebook.com/");

Thread.sleep(200);

driver.findElement(By.partialLinkText("Create new account")).click();

Thread.sleep(500);

driver.findElement(By.name("firstname")).sendKeys("ashu");

Thread.sleep(500);

WebElement surName = driver.findElement(By.name("lastname"));

surName.sendKeys("kamatam");

Thread.sleep(500);

WebElement mobileNoOrEmailId= driver.findElement(By.name("reg\_email\_\_"));

mobileNoOrEmailId.sendKeys("1234567890");

Thread.sleep(500);

WebElement password = driver.findElement(By.name("reg\_passwd\_\_"));

password.sendKeys("123ashu");

Select dateDropdown = new Select(driver.findElement(By.name("birthday\_day")));

dateDropdown.selectByValue("24");

Thread.sleep(500);

Select monthDropdown = new Select(driver.findElement(By.name("birthday\_month")));

monthDropdown.selectByValue("12");

Thread.sleep(500);

Select yearDropdown = new Select(driver.findElement(By.name("birthday\_year")));

yearDropdown.selectByValue("1996");

Thread.sleep(500);

WebElement femaleRadioBtn = driver.findElement(By.xpath("(//label[normalize-space()='Female'])[1]"));

femaleRadioBtn.click();

Thread.sleep(500);

WebElement signUpBtn = driver.findElement(By.name("websubmit"));

signUpBtn.click();

}

}

Method-02

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.support.ui.Select;

public class FacebookReg01 {

public static void main(String[] args) throws InterruptedException {

System.setProperty("webdriver.chrome.driver", "F:\\Lab\\Updated\\chromedriver-win64\\chromedriver.exe");

WebDriver driver=new ChromeDriver();

driver.get("https://www.facebook.com/");

Thread.sleep(200);

WebElement createAccount=driver.findElement(By.xpath("(//a[normalize-space()='Create new account'])[1]"));

createAccount.click();

Thread.sleep(500);

driver.findElement(By.name("firstname")).sendKeys("ashu");

Thread.sleep(500);

WebElement surName = driver.findElement(By.name("lastname"));

surName.sendKeys("kamatam");

Thread.sleep(500);

WebElement mobileNoOrEmailId= driver.findElement(By.name("reg\_email\_\_"));

mobileNoOrEmailId.sendKeys("1234567890");

Thread.sleep(500);

WebElement password = driver.findElement(By.name("reg\_passwd\_\_"));

password.sendKeys("123ashu");

Select dateDropdown = new Select(driver.findElement(By.name("birthday\_day")));

dateDropdown.selectByValue("24");

Thread.sleep(500);

Select monthDropdown = new Select(driver.findElement(By.name("birthday\_month")));

monthDropdown.selectByValue("12");

Thread.sleep(500);

Select yearDropdown = new Select(driver.findElement(By.name("birthday\_year")));

yearDropdown.selectByValue("1996");

Thread.sleep(500);

WebElement femaleRadioBtn = driver.findElement(By.xpath("(//label[normalize-space()='Female'])[1]"));

femaleRadioBtn.click();

Thread.sleep(500);

WebElement signUpBtn = driver.findElement(By.name("websubmit"));

signUpBtn.click();

}

}

**Week04(Popup Bank Notification)**

import java.util.HashMap;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

//import org.openqa.selenium.chrome.ChromeOptions;

public class Week04 {

public static void main(String[] args) {

HashMap<String, Object> prefs=new HashMap<String, Object>();

prefs.put("profile.default\_content\_setting\_values.notifications",0);

ChromeOptions options=new ChromeOptions();

options.setExperimentalOption("prefs", prefs);

System.setProperty("webdriver.chrome.driver"," C:\Users\student\Desktop\Selenium Lab\chromedriver-win64\chromedriver-win64\\chromedriver.exe");

WebDriver driver=new ChromeDriver(options);

driver.manage().window().maximize();

driver.get("https://www.axisbank.com/");

WebElement pop=driver.findElement(By.xpath("/html/body/div[1]/div[1]/div/span"));

pop.click();

}

}

**Week05(Cmrit Bees Results)**

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class Week5 {

public static void main(String[] args) throws InterruptedException {

System.setProperty("webdriver.chrome.driver","F:\\Lab\\chromedriver\\chromedriver.exe");

WebDriver driver=new ChromeDriver();

driver.manage().window().maximize();

driver.get("https://cmritautonomous.org/beeserp/Login.aspx");

WebElement userName=driver.findElement(By.name("txtUserName"));

userName.sendKeys("20R01A05K6P");

Thread.sleep(2000);

WebElement nxtBtn=driver.findElement(By.name("btnNext"));

nxtBtn.click();

WebElement password=driver.findElement(By.name("txtPassword"));

password.sendKeys("20R01A05K6P");

Thread.sleep(2000);

WebElement submit=driver.findElement(By.name("btnSubmit"));

submit.click();

}

}

**Week-6 (Perform automation on Ajio shopping website)**

import java.util.Iterator;

import java.util.Set;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.support.ui.Select;

public class wk {

public static void main(String[] args) throws InterruptedException {

System.setProperty("webdriver.chrome.driver", "F:\\Lab\\Updated\\chromedriver-win64\\chromedriver.exe");

WebDriver driver=new ChromeDriver();

driver.get("https://www.ajio.com/");

Thread.sleep(2000);

WebElement ajioLink = driver.findElement(By.xpath("//span[normalize-space()='Sign In / Join AJIO']"));

ajioLink.click();

Thread.sleep(2000);

WebElement facebookBtn = driver.findElement(By.xpath("//span[normalize-space()='Facebook']"));

facebookBtn.click();

Thread.sleep(2000);

Set<String> parentWindow = driver.getWindowHandles();

Iterator iterator = parentWindow.iterator();

while(iterator.hasNext())

{

String childWindow = (String) iterator.next();

if(!parentWindow.equals(childWindow))

{

driver.switchTo().window(childWindow);

}

}

WebElement emailOrMobileNo =driver.findElement(By.xpath("//input[@id='email']"));

emailOrMobileNo.sendKeys("bhumi27@gmail.com");

WebElement pwd = driver.findElement(By.xpath("//input[@id='pass']"));

pwd.sendKeys("@123");

WebElement loginBtn = driver.findElement(By.xpath("/html/body/div/div[2]/div[1]/form/div/div[4]/label[2]/input"));

loginBtn.click();

}

}

**Week 07(Web Driver google Search Cmrit)**

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class Week7 {

public static void main(String[] args) throws InterruptedException {

System.setProperty("webdriver.chrome.driver", "F:\\Lab\\chromedriver\\chromedriver.exe");

WebDriver driver=new ChromeDriver();

driver.manage().window().maximize();

driver.get("https://www.google.com/");

Thread.sleep(2000);

WebElement searchBar= driver.findElement(By.name("q"));

searchBar.sendKeys("cmrit hyderabad");

searchBar.sendKeys(Keys.ENTER);

Thread.sleep(15000);

driver.quit();

}

}

**Week-08(Cmrit Image Download)**

import java.awt.AWTException;

import java.awt.Robot;

import java.awt.event.KeyEvent;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

public class Image {

public static void main(String[] args) throws InterruptedException, AWTException {

WebDriver driver=new ChromeDriver();

driver.manage().window().maximize();

driver.get("https://www.google.com");

Thread.sleep(2000);

WebElement searchBar=driver.findElement(By.name("q"));

searchBar.sendKeys("cmrit hyderabad");

searchBar.sendKeys(Keys.ENTER);

Thread.sleep(15000);

WebElement img=driver.findElement(By.xpath("//a[normalize-space()='Images']"));

img.click();

WebElement img1=driver.findElement(By.xpath("//img[@alt='CMR Institute of Technology, Hyderabad Courses & Fees 2023']"));

Actions action = new Actions(driver);

action.contextClick(img1).build().perform();

Robot robot=new Robot();

robot.keyPress(KeyEvent.VK\_DOWN);

Thread.sleep(2000);

robot.keyPress(KeyEvent.VK\_DOWN);

Thread.sleep(2000);

robot.keyPress(KeyEvent.VK\_DOWN);

Thread.sleep(2000);

robot.keyPress(KeyEvent.VK\_DOWN);

Thread.sleep(2000);

robot.keyPress(KeyEvent.VK\_DOWN);

Thread.sleep(2000);

robot.keyPress(KeyEvent.VK\_DOWN);

Thread.sleep(2000);

robot.keyPress(KeyEvent.VK\_DOWN);

Thread.sleep(2000);

robot.keyPress(KeyEvent.VK\_ENTER);

Thread.sleep(3000);

robot.keyPress(KeyEvent.VK\_ENTER);

System.out.println("downloaded");

// driver.close();

}

}

**Week 09(List items)**

**package week09;**

**import java.util.List;**

**import org.openqa.selenium.By;**

**import org.openqa.selenium.WebDriver;**

**import org.openqa.selenium.WebElement;**

**import org.openqa.selenium.chrome.ChromeDriver;**

**public class ListItems {**

**public static void main(String[] args) {**

**//System.setProperty("webdriver.chrome.driver","F:\\Lab\\chromedriver-win64\\chromedriver-win64\\chromedriver.exe");**

**System.setProperty("webdriver.chrome.driver", "C:\\Users\\student\\Desktop\\Selenium Lab\\chromedriver-win64\\chromedriver-win64\\chromedriver.exe");**

**WebDriver driver=new ChromeDriver();**

**driver.manage().window().maximize();**

**driver.get("https://www.justdial.com/Mumbai/Bakeries/nct-10033880?trkid=13616-mumbai");**

**List<WebElement> m = driver.findElements(By.xpath("//h2[@class='jsx-b7e5c19c50ebbe3c resultbox\_title font22 fw500 color111 complist\_title']"));**

**for(int i = 0; i< m.size(); i++) {**

**String s = m.get(i).getText();**

**System.out.println("Text is: " + s);**

**}**

**}**

**}**

**Week 10 (Gmail Validation)**

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.support.ui.Select;

public class exp10 {

public static void main(String[] args) throws InterruptedException {

System.setProperty("webdriver.chrome.driver", "F:\\Lab\\Updated\\chromedriver-win64\\chromedriver.exe");

WebDriver driver = new ChromeDriver();

driver.get("http://gmail.com/");

Thread.sleep(2000);

WebElement createAccount = driver.findElement(By.xpath("(//span[normalize-space()='Create account'])[1]"));

createAccount.click();

Thread.sleep(2000);

WebElement mySelft = driver.findElement(By.xpath("(//span[normalize-space()='For my personal use'])[1]"));

mySelft.click();

Thread.sleep(2000);

WebElement firstName = driver.findElement(By.name("firstName"));

firstName.sendKeys("Kumar01");

Thread.sleep(2000);

WebElement lastName = driver.findElement(By.name("lastName"));

lastName.sendKeys("Ravi");

Thread.sleep(2000);

WebElement bn1 = driver.findElement(By.xpath("(//span[normalize-space()='Next'])"));

bn1.click();

Thread.sleep(3000);

Select month = new Select(driver.findElement(By.xpath("(//select[@id='month'])[1]")));

month.selectByValue("8");

Thread.sleep(2000);

WebElement day = driver.findElement(By.xpath("(//input[@id='day'])[1]"));

day.sendKeys("24");

Thread.sleep(2000);

WebElement year = driver.findElement(By.xpath("(//input[@id='year'])[1]"));

year.sendKeys("1996");

Select gender = new

Select(driver.findElement(By.xpath("(//select[@id='gender'])[1]")));

gender.selectByValue("1");

Thread.sleep(2000);

WebElement bn2 = driver.findElement(By.xpath("(//span[normalize-space()='Next'])"));

bn2.click();

Thread.sleep(2000);

WebElement uid = driver.findElement(By.name("Username"));

uid.sendKeys("Kmrthakla");

WebElement bn3 = driver.findElement(By.xpath("(//span[normalize-space()='Next'])"));

bn3.click();

Thread.sleep(2000);

WebElement pswd = driver.findElement(By.name("Passwd"));

pswd.sendKeys("Cmrit123#");

WebElement cpswd = driver.findElement(By.name("PasswdAgain"));

cpswd.sendKeys("Cmrit123#");

WebElement bn4 = driver.findElement(By.xpath("(//span[normalize-space()='Next'])"));

bn4.click();

}

}

**Week 11 (Myntra)**

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

public class Myntra {

public static void main(String[] args) throws InterruptedException {

System.setProperty("webdriver.chrome.driver", "F:\\Lab\\Updated\\chromedriver-win64\\chromedriver.exe");

WebDriver driver=new ChromeDriver();

Actions builder = new Actions(driver);

driver.get("https://www.google.co.in/");

WebElement searchBar = driver.findElement(By.name("q"));

searchBar.sendKeys("Myntra");

Thread.sleep(500);

searchBar.submit(); WebElement myntraLink = driver.findElement(By.xpath("(//h3[contains(text(),'Myntra: Online Shopping for Women, Men, Kids Fashi')])[1]"));

myntraLink.click();

WebElement profileHyperLink = driver.findElement(By.xpath("(//span[normalize-space()='Profile'])[1]"));

profileHyperLink.click();

WebElement loginBtn = driver.findElement(By.xpath("(//a[normalize-space()='login / Signup'])[1]"));

loginBtn.click();

WebElement mobileNo = driver.findElement(By.xpath("(//input[@type='tel'])[1]"));

mobileNo.sendKeys("9948621019");

WebElement continueBtn = driver.findElement(By.xpath("(//div[@class='submitBottomOption'])[1]"));

continueBtn.click();

Thread.sleep(500);

// WebElement otp01 = driver.findElement(By.xpath("(//input[@name='otp0'])[1]"));

// otp01.sendKeys("1");

// WebElement otp02 = driver.findElement(By.xpath("(//input[@name='otp1'])[1]"));

// otp02.sendKeys("2");

// WebElement otp03 = driver.findElement(By.xpath("(//input[@name='otp2'])[1]"));

// otp03.sendKeys("3");

// WebElement otp04 = driver.findElement(By.xpath("(//input[@name='otp3'])[1]"));

// otp04.sendKeys("4");

// driver.close();

}

}

**Week 12(Pdf To Word Convertor)**

import java.awt.AWTException;

import java.awt.Robot;

import java.awt.Toolkit;

import java.awt.datatransfer.Clipboard;

import java.awt.datatransfer.StringSelection;

import java.awt.event.KeyEvent;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class exp12 {

public static void main(String[] args) throws InterruptedException, AWTException {

System.setProperty("webdriver.chrome.driver", "F:\\Tutorials\\selenium\\jar\\chromedriver-win64\\chromedriver.exe");

WebDriver driver= new ChromeDriver();

driver.get("https://www.google.com/");

Thread.sleep(2000);

WebElement searchBar = driver.findElement(By.name("q"));

searchBar.sendKeys("Convert word to pdf online");

searchBar.sendKeys(Keys.ENTER);

WebElement pdfToWord = driver.findElement(By.xpath("(//h3[@class='LC20lb MBeuO DKV0Md'])[2]"));

pdfToWord.click();

Thread.sleep(500);

WebElement chooseFileBtn = driver.findElement(By.xpath("(//span[normalize-space()='Choose Files'])[1]"));

chooseFileBtn.click();

Thread.sleep(500);

Clipboard clipboard = Toolkit.getDefaultToolkit().getSystemClipboard();

StringSelection str = new StringSelection("Downloads\\01.docx");

clipboard.setContents(str,null);

Thread.sleep(500);

Robot robot = new Robot();

robot.keyPress(KeyEvent.VK\_CONTROL);

robot.keyPress(KeyEvent.VK\_V);

robot.keyPress(KeyEvent.VK\_ENTER);

Thread.sleep(10000);

WebElement download = driver.findElement(By.xpath("(//span[normalize-space()='Download'])"));

download.click();

}

}