



FRUGALTESTING

Your Trusted Testing and DevOps Partner

Logical Thinking and SDE

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Subject: Frugal Testing SDE Rounds

Section A:

IDE used - Eclipse

Automation tool used – Selenium

Q1)Automate the functionality to book the train from

<https://www.makemytrip.com/railways/>

i)Check if you have landed in the correct page

ii)Print the URL and Title of the Page

iii)Click on FROM

iv)Enter the city in FROM: DELHI

v)Click on TO Enter the city in TO: LUCKNOW

vi)Click on Travel Date and Select a date: 20 May

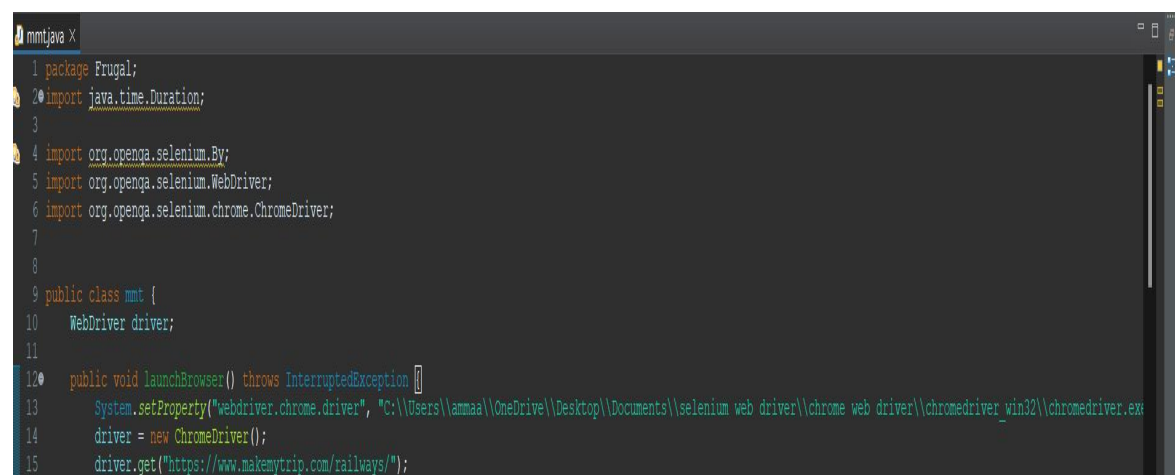
viii)Click on class and Select a class from dropdown: Third AC.

ix)Click on SEARCH Button.

Solution:-

i)Check if you have landed in the correct page

Screen Shot of the code written:-



```
1 package Frugal;
2 import java.time.Duration;
3
4 import org.openqa.selenium.By;
5 import org.openqa.selenium.WebDriver;
6 import org.openqa.selenium.chrome.ChromeDriver;
7
8
9 public class mmt {
10     WebDriver driver;
11
12     public void launchBrowser() throws InterruptedException {
13         System.setProperty("webdriver.chrome.driver", "C:\\Users\\ammaa\\OneDrive\\Desktop\\Documents\\selenium web driver\\chrome web driver\\chromedriver_win32\\chromedriver.exe");
14         driver = new ChromeDriver();
15         driver.get("https://www.makemytrip.com/railways/");
```

Code written:-

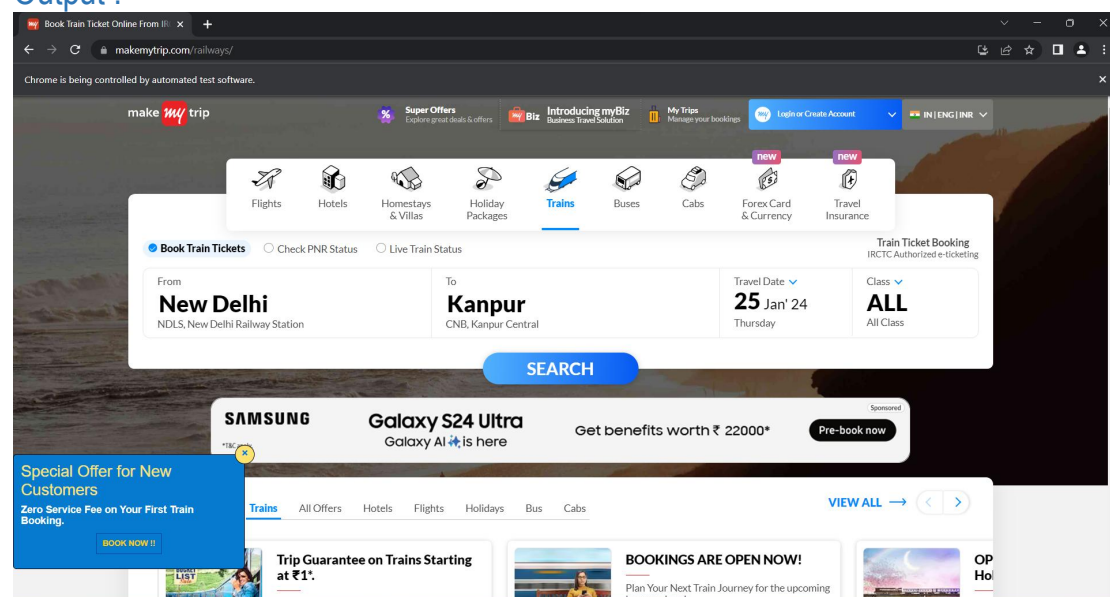
```
package Frugal;
import java.time.Duration;

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

public class mmt {
    WebDriver driver;

    public void launchBrowser() throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "C:\\Users\\ammaa\\OneDrive\\Desktop\\Documents\\selenium web driver\\chrome web driver\\chromedriver_win32\\chromedriver.exe");
        driver = new ChromeDriver();
        driver.get("https://www.makemytrip.com/railways/");
    }
}
```

Output :-



Successfully landed

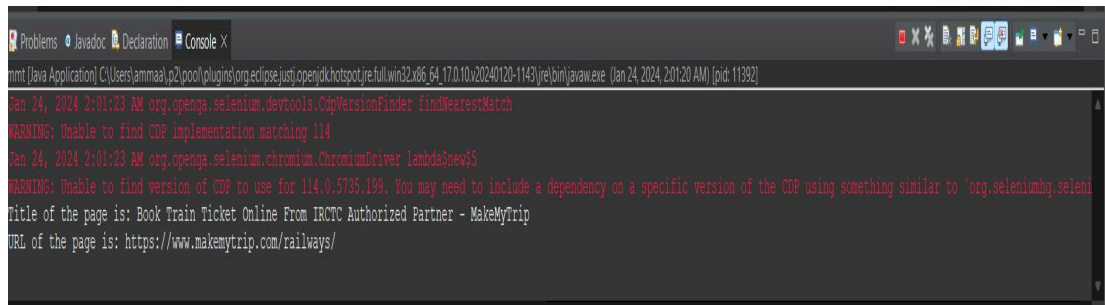
ii)Print the URL and Title of the Page

Code written:-

```
// Print the URL and Title of the Page
String title = driver.getTitle();
System.out.println("Title of the page is: " + title);
String url = driver.getCurrentUrl();
System.out.println("URL of the page is: " + url);
```

Output :-

```
Title of the page is: Book Train Ticket Online From IRCTC Authorized Partner - MakeMyTrip
URL of the page is: https://www.makemytrip.com/railways/
```



iii) Click on FROM

iv) Enter the city in FROM: DELHI

Code written for iii&iv :-

```
// click on element using xpath
driver.findElement(By.xpath("//*[@id='root']/div/div[2]/div/div/div/div[2]/div/div[1]/label/span")).click();
// click on element using id

Thread.sleep(1000);
driver.findElement(
By.xpath("//*[@id='root']/div/div[2]/div/div/div/div[2]/div/div[1]/div[1]/div/div/div/input"))
.sendKeys("Delhi");
// wait until element is not visible
Thread.sleep(2000);

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));

// find the length of all the elements find using selector
int length = driver.findElements(By.cssSelector("ul.react-autosuggest__suggestions-list > li")).size();
System.out.println("Length of the list is: " + length);

// define a loop to iterate through the list
for (int i = 0; i < length; i++) {
// find the element using index
String element = driver.findElements(By.cssSelector(
"ul.react-autosuggest__suggestions-list > li > div > div > p.searchedResult.font14.darkText > span"))
.get(i)
.getText();
System.out.println("Element is: " + element);
// check if the element is equal to the search term
if (element.equals("Delhi")) {
```

Frugal Testing SDE

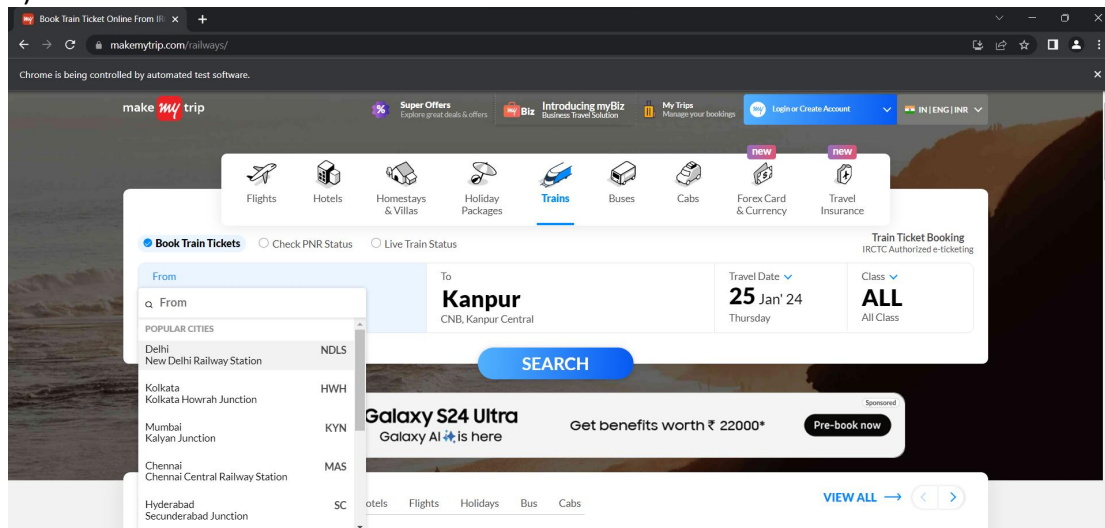
```
// click on the element
driver.findElements(By.cssSelector(
"ul.react-autosuggest__suggestions-list > li > div > div >
p.searchedResult.font14.darkText > span"))
.get(i).click();
break;
}
}
```

Output :-

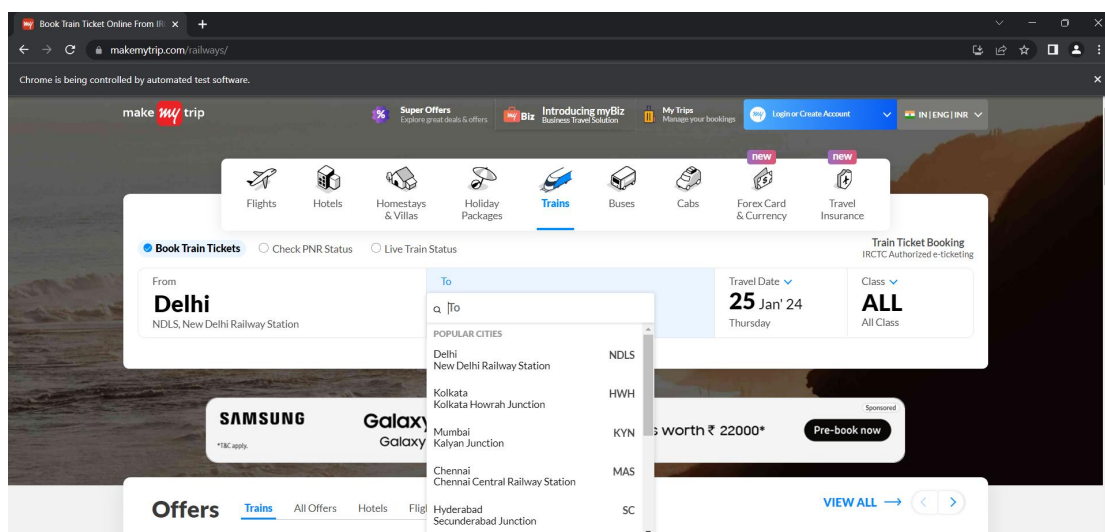
i)

```
Title of the page is: Book Train Ticket Online From IRCTC Authorized Partner - MakeMyTrip
URL of the page is: https://www.makemytrip.com/railways/
Length of the list is: 10
Element is: Delhi
```

ii)



iii)



v)Click on TO Enter the city in TO: LUCKNOW

Code written for v :-

```
// Selecting Destination
// click on element using xpath
driver.findElement(By.xpath("//*[@id='root']/div/div[2]/div/div/div/div[2]/div/div[2]/label/span")).click();
// click on element using id

Thread.sleep(1000);
driver.findElement(
By.xpath("//*[@id='root']/div/div[2]/div/div/div/div[2]/div/div[2]/div[1]/div/div/div/input"))
.sendKeys("Lucknow");
// wait until element is not visible
Thread.sleep(2000);

// find the length of all the elements find using selector
length = driver.findElements(By.cssSelector("ul.react-autosuggest__suggestions-list > li")).size();
System.out.println("Length of the list is: " + length);

// define a loop to iterate through the list
for (int i = 0; i < length; i++) {
// find the element using index
String element = driver.findElements(By.cssSelector(
"ul.react-autosuggest__suggestions-list > li > div > div > p.searchedResult.font14.darkText > span"))
.get(i)
.getText();
System.out.println("Element is: " + element);
// check if the element is equal to the search term
if (element.equals("Lucknow")) {
// click on the element
driver.findElements(By.cssSelector(
"ul.react-autosuggest__suggestions-list > li > div > div > p.searchedResult.font14.darkText > span"))
.get(i).click();
break;
}
}
```

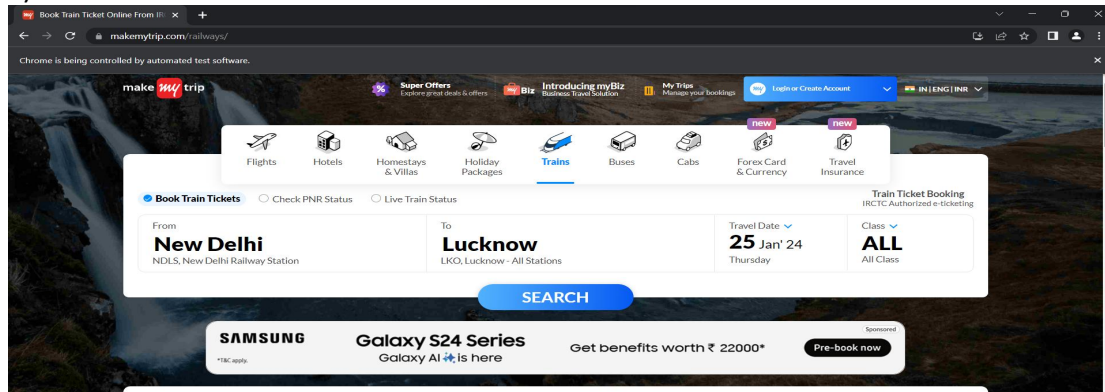
Frugal Testing SDE

Output :-

i)

```
Title of the page is: Book Train Ticket Online From IRCTC Authorized Partner - MakeMyTrip
URL of the page is: https://www.makemytrip.com/railways/
Length of the list is: 4
Element is: Delhi
Length of the list is: 4
Element is: Lucknow
```

ii)

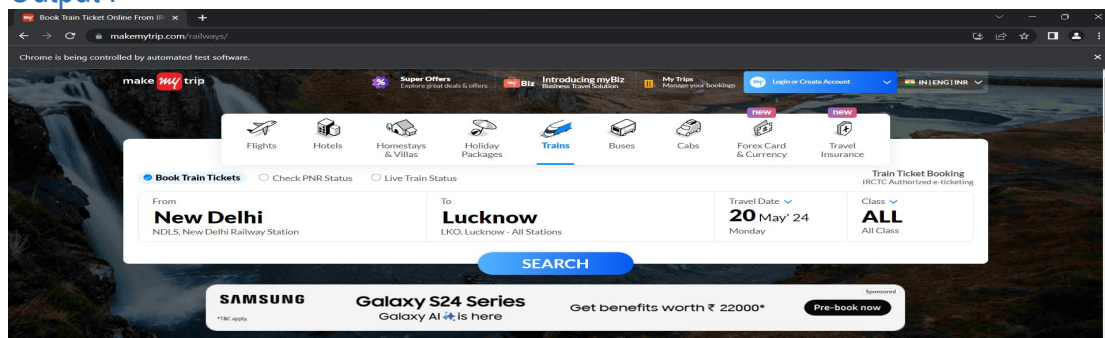


vi) Click on Travel Date and Select a date: 20 May

Code written for vi :-

```
// Selecting Date
Thread.sleep(2000);
driver.findElement(By.xpath("//*[@id='root']/div/div[2]/div/div/div/div[2]/div/div[3]")).click();
Thread.sleep(1000);
driver.findElement(By.xpath(
  "//*[@id='root']/div/div[2]/div/div/div/div[2]/div/div[3]/div[1]/div/
  div/div/div[2]/div/div[2]/div[1]/div[3]/div[3]/div[6]"))
.click();
```

Output :-



viii) Click on class and Select a class from dropdown: Third AC.

Code written for viii :-

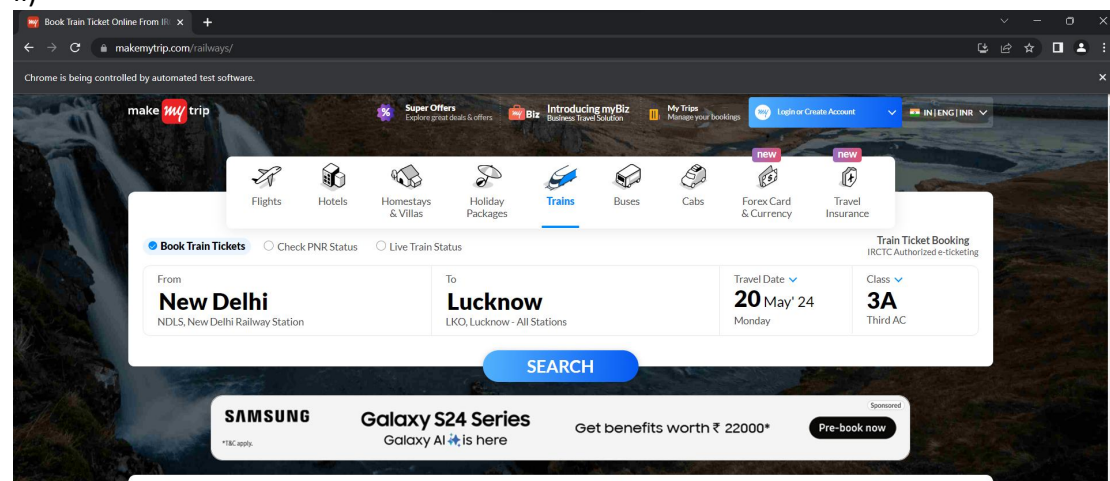
```
// Selecting Class
Thread.sleep(2000);
driver.findElement(By.xpath("//*[@id='root']/div/div[2]/div/div/div/div[2]/div/div[4]")).click();
length = driver.findElements(By.cssSelector("ul.travelForPopup > li")).size();
System.out.println("Length of the list is: " + length);
for (int i = 0; i < length; i++) {
    String element =
driver.findElements(By.cssSelector("ul.travelForPopup > li")).get(i).getText();
System.out.println("Element is: " + element);
if (element.equals("Third AC")) {
driver.findElements(By.cssSelector("ul.travelForPopup > li")).get(i).click();
break;
}
}
```

Output :-

i)

```
Title of the page is: Book Train Ticket Online From IRCTC Authorized Partner - MakeMyTrip
URL of the page is: https://www.makemytrip.com/railways/
Length of the list is: 4
Element is: Delhi
Length of the list is: 1
Element is: No Data Found
Length of the list is: 10
Element is: All Class
Element is: Sleeper Class
Element is: Third AC
```

ii)



ix) Click on SEARCH Button.

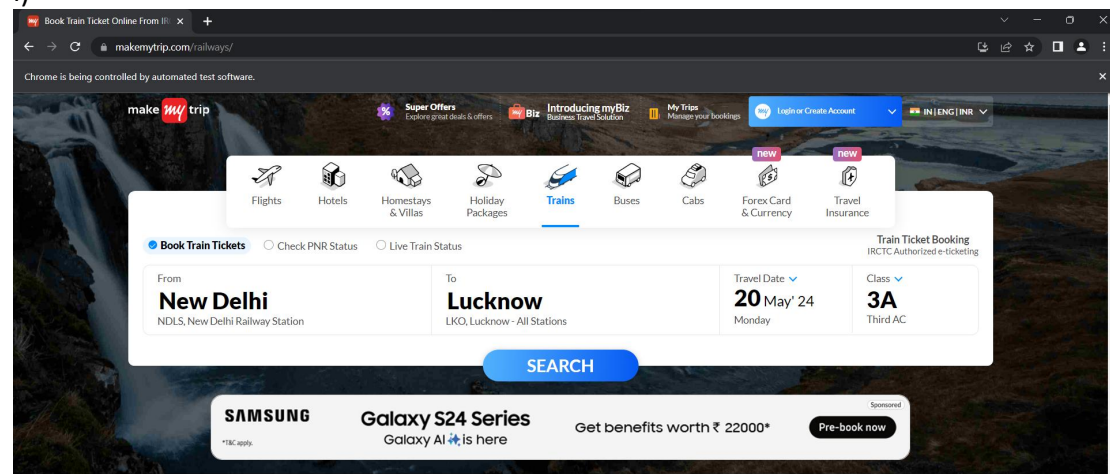
Code written for ix :-

```
// Clicking Search button
Thread.sleep(2000);
driver.findElement(By.xpath("//div[@id='root']/div/div[2]/div/div/div/div[2]/p/a")).click();
driver.close();
```

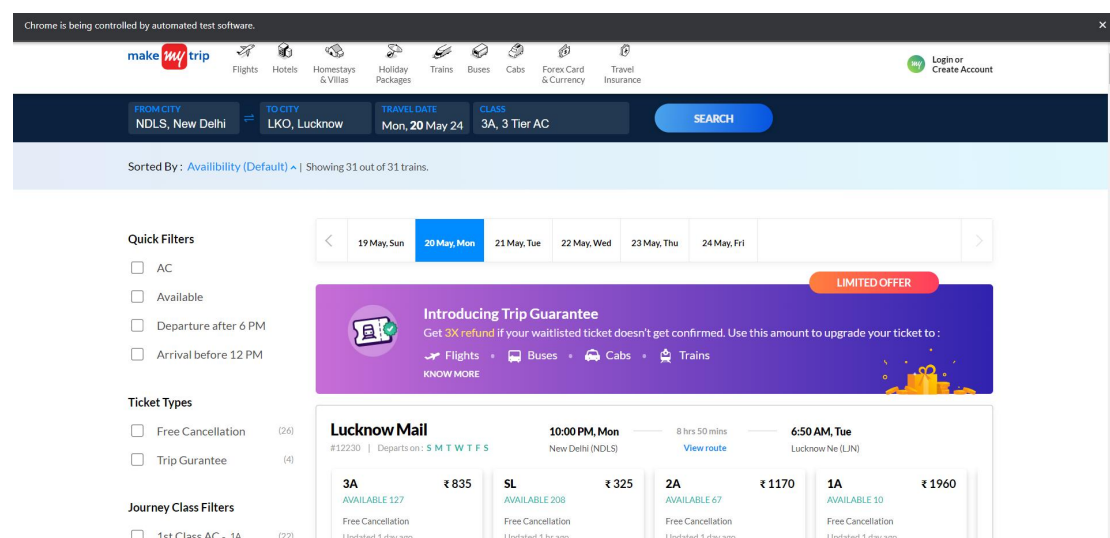
```
}
```

Output :-

i)



ii)



Drive link For the Video of the assignment:-

<https://drive.google.com/file/d/1P-5OeGkkgAPXY3oY7tStGNlw7E3WffpY/view?usp=sharing>

Link for the projects Github repository:-

<https://github.com/Ammaar19/Makemytrip-Automation-Software>