

PROJECT ON ABHIBUS WEBSITE TO BOOK

BUSTICKET



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SLA TESTING BATCH

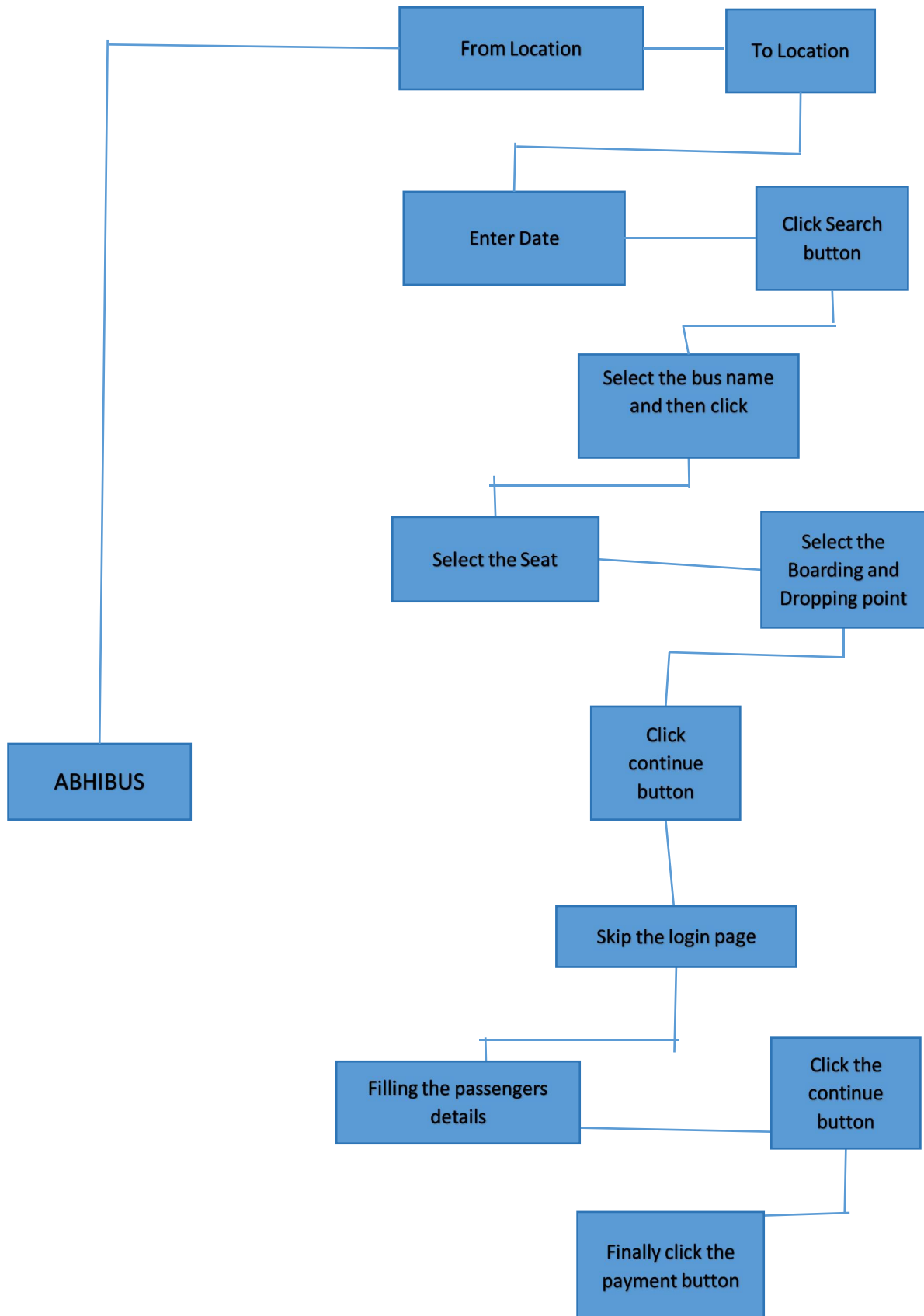
OBJECTIVE : Automation of the ticket booking process on Abhibus website using Selenium in Eclipse.

Steps :

- ⦿ Search for the from and to location and then select date and click the search button.
- ⦿ Select the bus name in bus travels and then click.
- ⦿ Select the seat .
- ⦿ Select the Boarding and dropping point and then click the continue button.
- ⦿ Skip the login page.
- ⦿ Filling the required passengers details Name, Age, Mobile Number , Email and then click the continue button.
- ⦿ Finally click the payment button.

3.Purpose : Enhancing efficiency and accuracy in the ticket booking process on Abhibus website through automated testing.

Process Of Ticket Booking



Testing Abhibus Website in Chrome :

```
package org;
```

```
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
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.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.testng.annotations.BeforeSuite;
import org.testng.annotations.Test;
```

```
import io.github.bonigarcia.wdm.WebDriverManager;
```

```
public class AbhiBus {
    WebDriver driver;
    @BeforeSuite
    public void launchBrowser() {
        WebDriverManager.chromedriver().setup();
        driver=new ChromeDriver();
    }

    @Test
    public void openAbhibus() {
        driver.get("https://www.abhibus.com/");
        driver.manage().window().maximize();
    }
}
```

```
    @Test(priority = 1)
    public void from() throws Throwable {

        try {
            Thread.sleep(9000);
        } catch (InterruptedException e) {

            e.printStackTrace();
        }
    }
}
```

```
        WebDriverWait waits = new WebDriverWait(driver, (20));
        WebElement from =
        waits.until(ExpectedConditions.elementToBeClickable(By.cssSelector("input[placeholder='From Station']")));
```

```

        Thread.sleep(9000);

        from.sendKeys("kumbakonam");
        Thread.sleep(9000);
        from.sendKeys(Keys.ENTER);
    }

    @Test(priority = 2)
    public void to() throws Throwable {

        try {
            Thread.sleep(9000);
        } catch (InterruptedException e) {

            e.printStackTrace();
        }

        WebDriverWait wait = new WebDriverWait(driver, (20));
        WebElement to =
wait.until(ExpectedConditions.elementToBeClickable(By.cssSelector("input[placeholder='To
Station']"))));

        Thread.sleep(9000);
        to.sendKeys("chennai");
        Thread.sleep(9000);
        to.sendKeys(Keys.ENTER);
    }

    @Test(priority = 3)
    public void datepicker() {

        WebDriverWait wait = new WebDriverWait(driver, (20));
        WebElement date1 =
wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//input[@tabindex='0']][3]"))));
        date1.click();
    }

    @Test(priority = 4)
    public void selectdate() {

        WebDriverWait wait = new WebDriverWait(driver,(20));
        WebElement dated =
wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//span[@data-date='17']"))));
        dated.click();
    }

    @Test(priority = 5)
    public void search() {

        WebDriverWait wait = new WebDriverWait(driver,(20));
        WebElement searched =
wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//button[@tabindex='0']"))));
        searched.click();
    }

```

```

        @Test(priority=6) public void Travels() throws Throwable {
            Thread.sleep(6000);
            WebDriverWait wait = new WebDriverWait(driver,(20));
            WebElement seat =
wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//button[text()='Show
Seats']")[1])));
            seat.click();
        }

```

```

        @Test(priority=7)
        public void seat() throws Throwable {
            Thread.sleep(6000);
            WebDriverWait wait = new WebDriverWait(driver,(20));
            WebElement u1 =
wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//button[@class='seat
sleeper']")[1])));
            u1.click();
        }

```

```

        @Test(priority=8)
        public void Boardindanddroppingpoint() throws Throwable{

            Thread.sleep(6000);
            WebDriverWait wait = new WebDriverWait(driver,(20));
            WebElement place =
wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//p[contains(text(),'Near Chennai
Silks']")[1])));
            place.click();

```

```

            Thread.sleep(6000);
            WebDriverWait wait1 = new WebDriverWait(driver,(20));
            WebElement place1 =
wait1.until(ExpectedConditions.elementToBeClickable(By.xpath("//p[contains(text(),'Kalpakkam')]
")));
            place1.click();

```

```

            Thread.sleep(6000);
            WebDriverWait wait2 = new WebDriverWait(driver,(20));
            WebElement d =
wait2.until(ExpectedConditions.elementToBeClickable(By.xpath("//span[text()='Continue']")));
            d.click();
        }

```

```

        @Test(priority=9)
        public void Skip() throws Throwable {
            Thread.sleep(2000);
            WebDriverWait wait = new WebDriverWait(driver,(10));
            WebElement s =
wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//a[text()='Skip']")));
            s.click();

```

```
}
```

```
    @Test(priority=10)
    public void passengerdetail() throws Throwable {
        Thread.sleep(2000);
        WebDriverWait wait = new WebDriverWait(driver,(10));
        WebElement s =
wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//input[@type='text']")));
        s.click();
        s.sendKeys("Praveen");

        Thread.sleep(2000);
        WebDriverWait wait1 = new WebDriverWait(driver,(10));
        WebElement t =
wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//input[@placeholder='Age']")));
        t.click();
        t.sendKeys("23");

        Thread.sleep(2000);
        WebDriverWait wait2 = new WebDriverWait(driver,(10));
        WebElement p =
wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//input[@placeholder='Enter
Mobile Number']")));
        p.click();
        p.sendKeys("9025043514");

        Thread.sleep(2000);
        WebDriverWait wait3 = new WebDriverWait(driver,(10));
        WebElement e =
wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//input[@placeholder='Enter Email
Address']")));
        e.click();
        e.sendKeys("praveenpk8485@gmail.com");

        WebElement c = driver.findElement(By.xpath("//button[text()='Continue to Pay ₹
']"));
    }
```

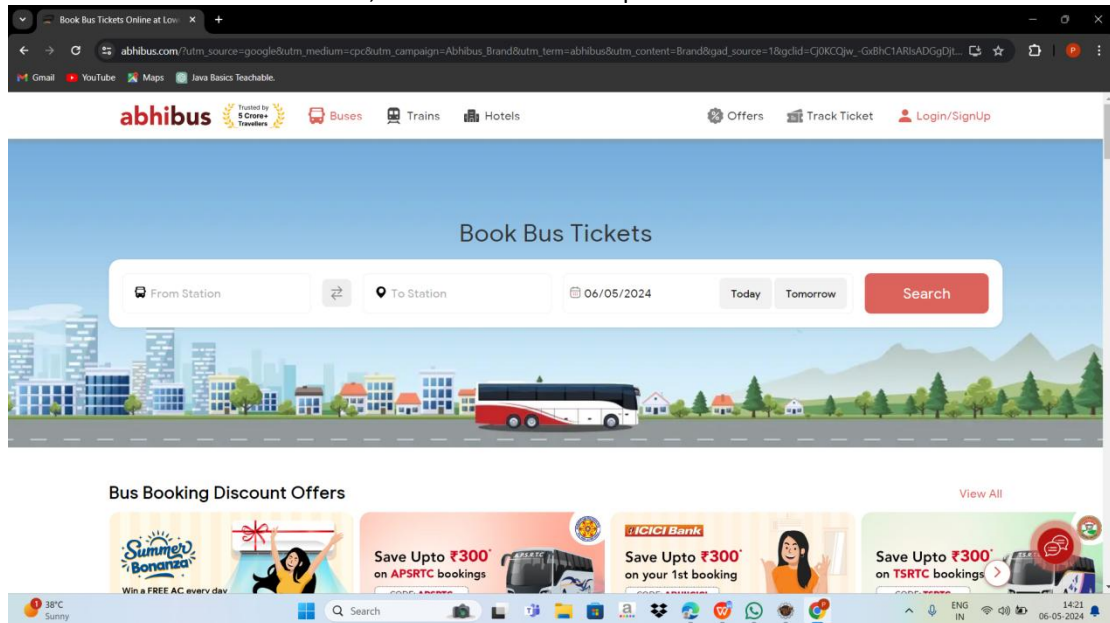
```
    @Test(priority=11)
    public void payment() throws Throwable {
        Thread.sleep(6000);
        WebDriverWait wait = new WebDriverWait(driver,(20));
        WebElement z =
wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//button[text()='Proceed to
pay']")));
        z.click();

    }

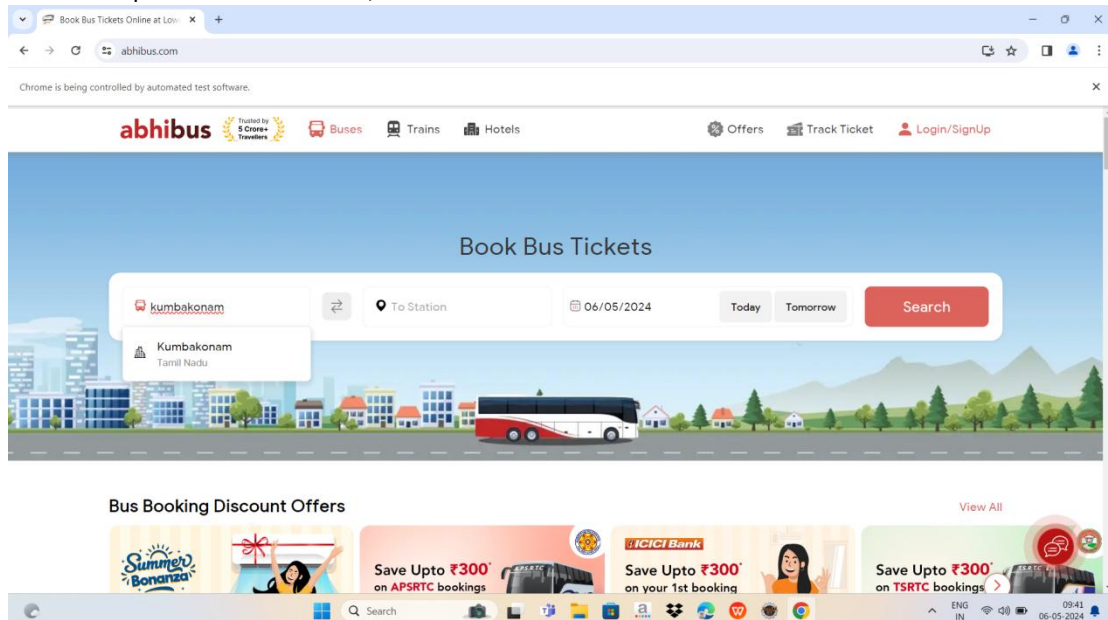
}
```

BOOKING BUS TICKET USING ABHIBUS WEBSITE

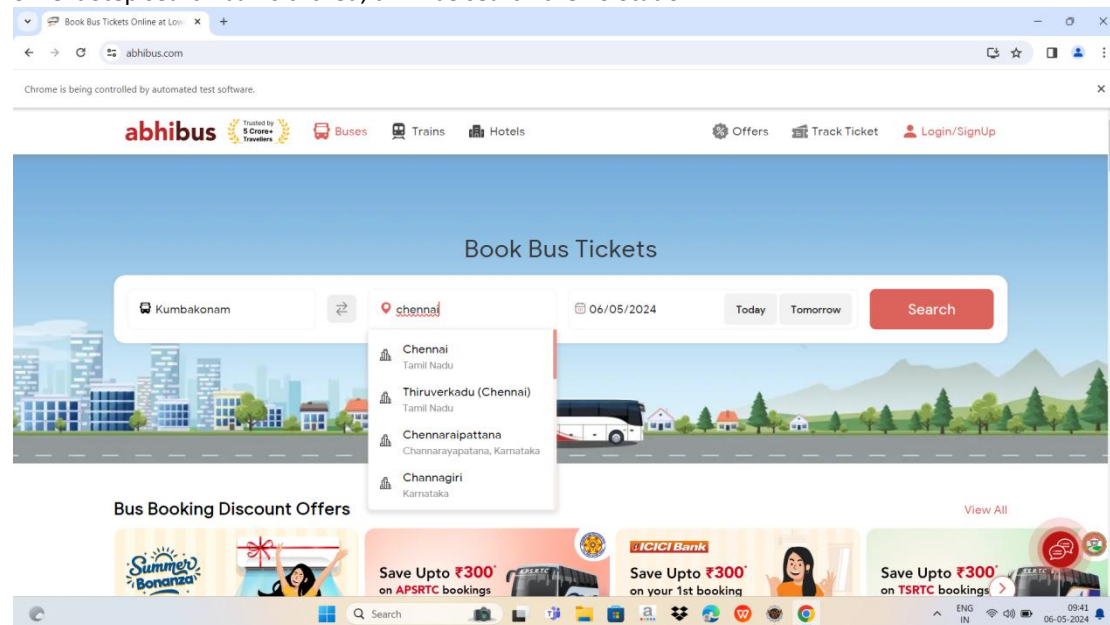
1.After the Automated Code runs,the Abhibus Website open like this



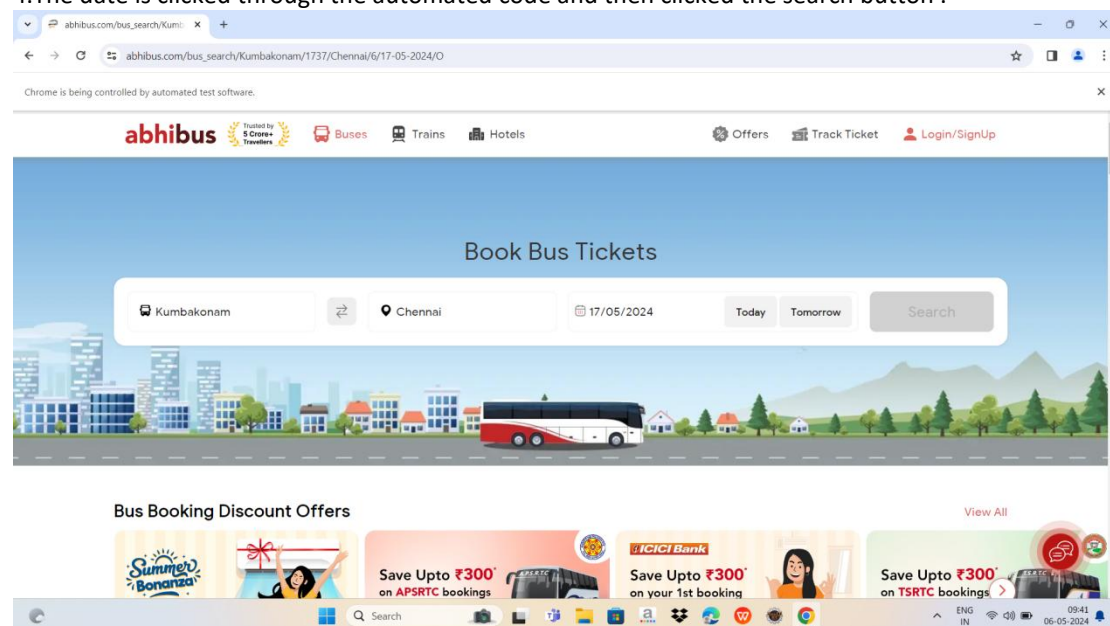
2.in Next Step search bar is clicked, it will search the from Station.



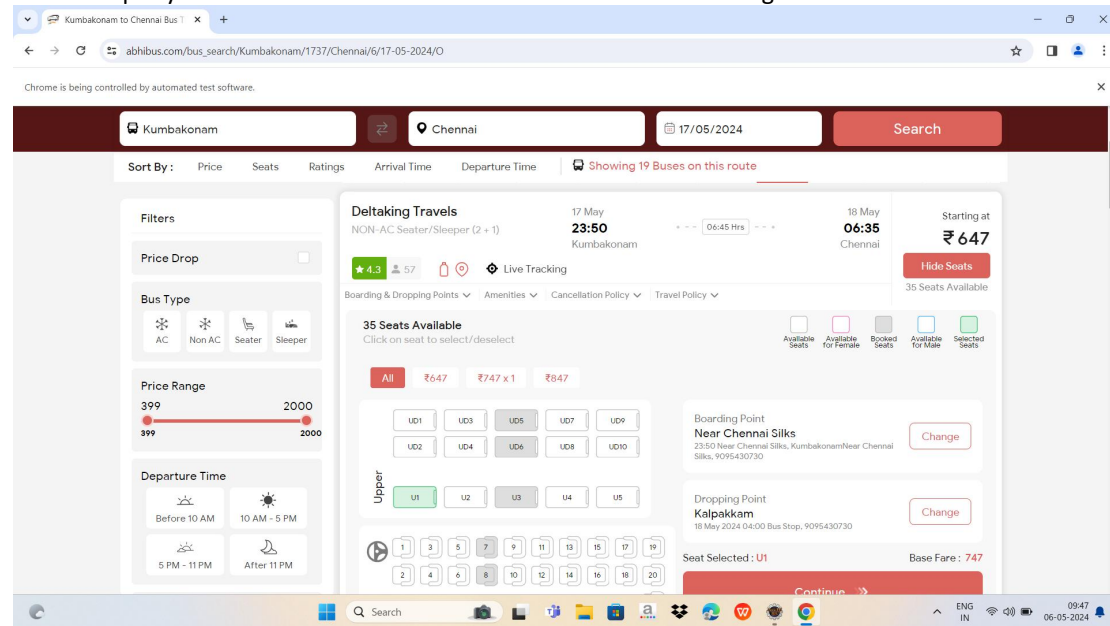
3.Next Step search bar is clicked,it will be search the To Station.



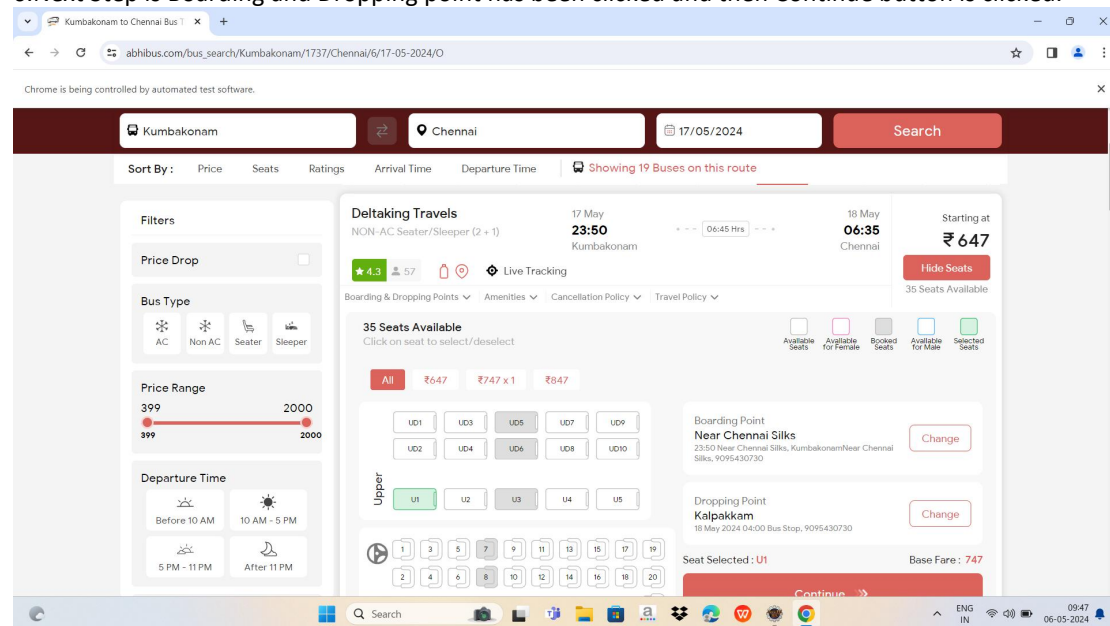
4.The date is clicked through the automated code and then clicked the search button .



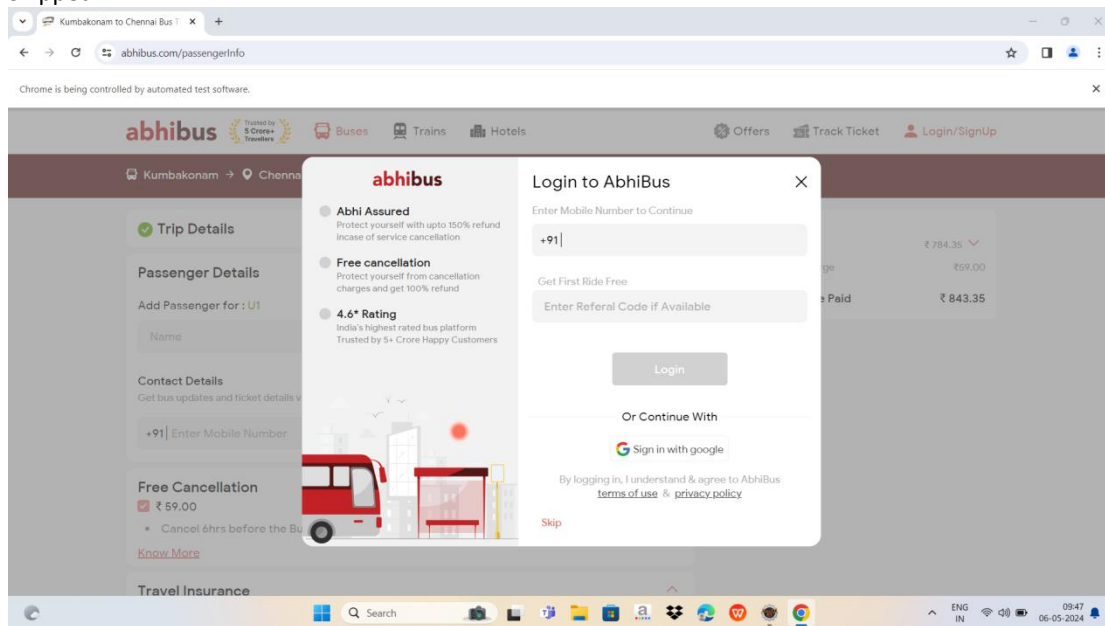
5.Next step is you will travel the Bus and Seat has been clicked through the automated code.



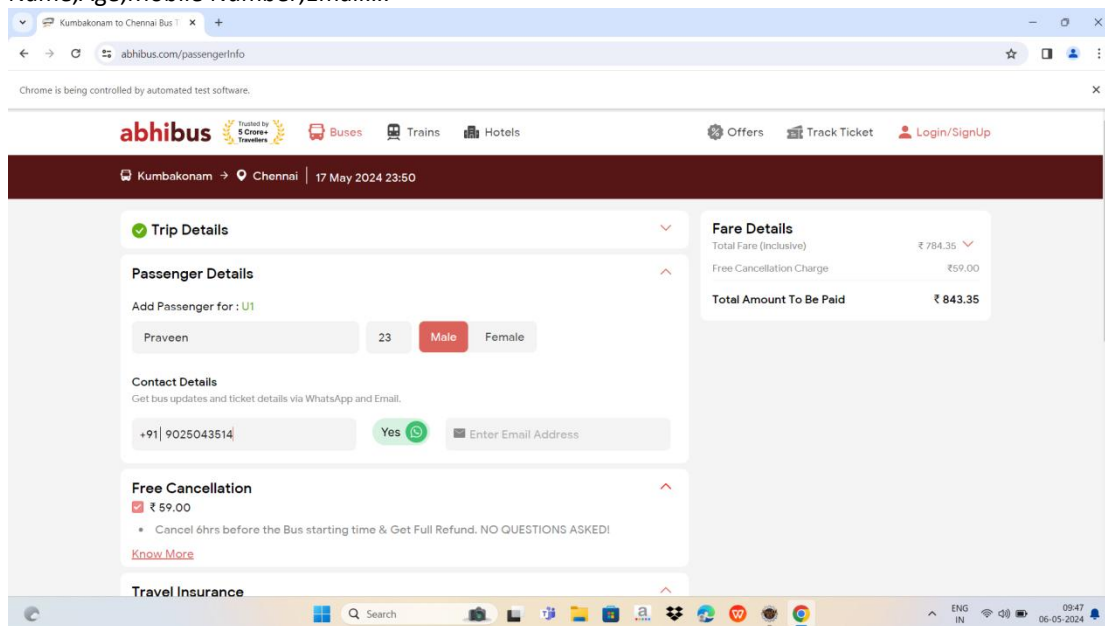
6.Next Step is Boarding and Dropping point has been clicked and then Continue button is clicked.



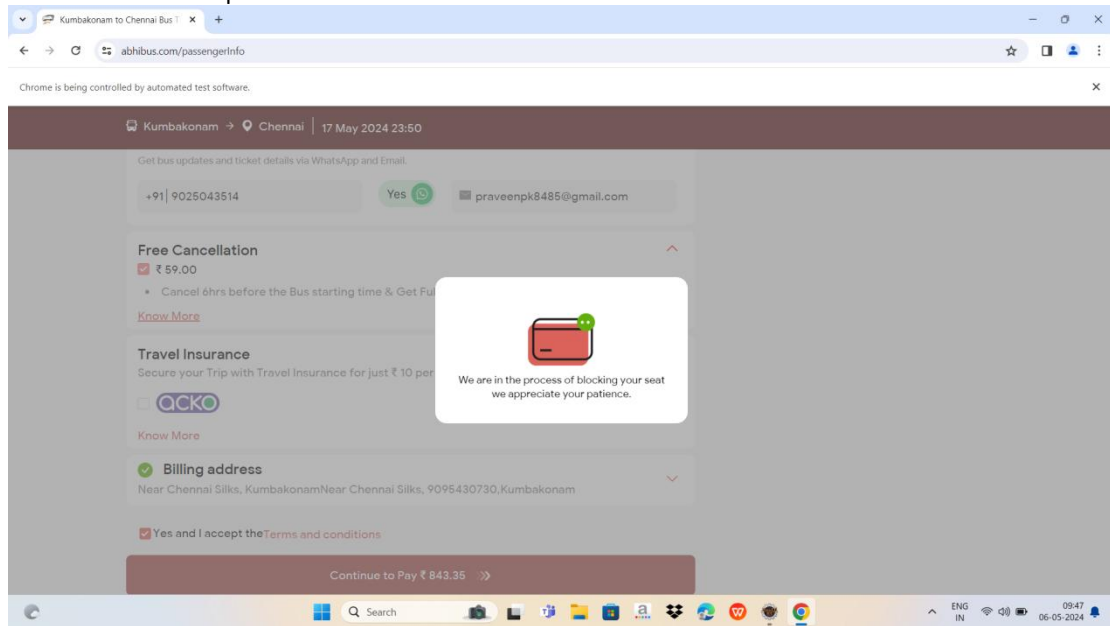
7.And then Next Step is Going login page Click the Skip button ,login page has been Skipped.



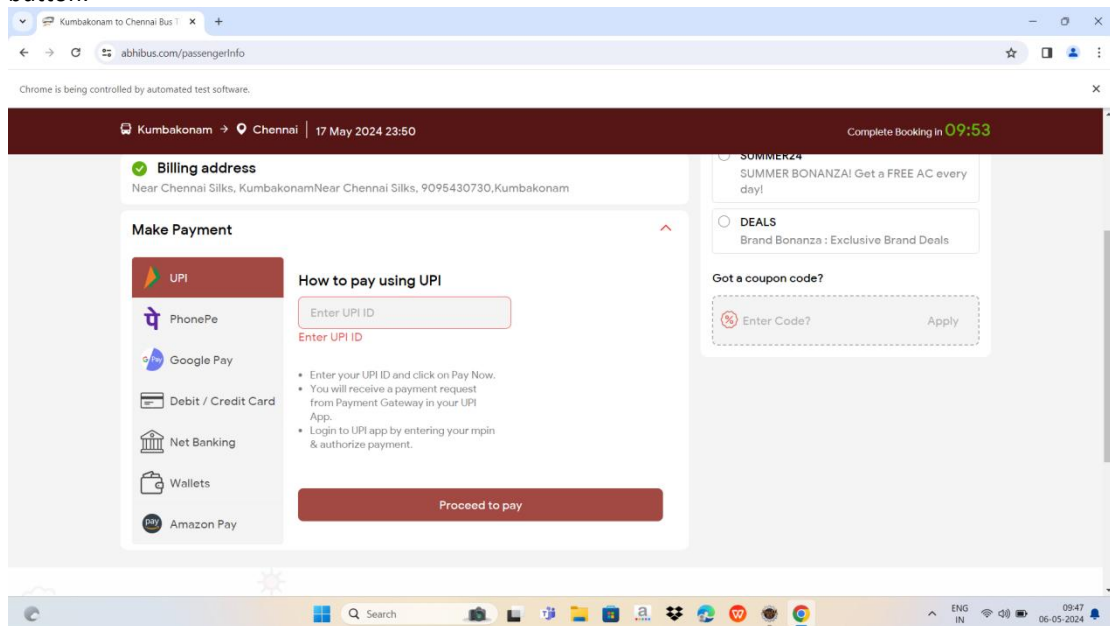
8.Next Step is going the passenger details page filled automatically through the automated code. Name, Age, Mobile Number, Email....



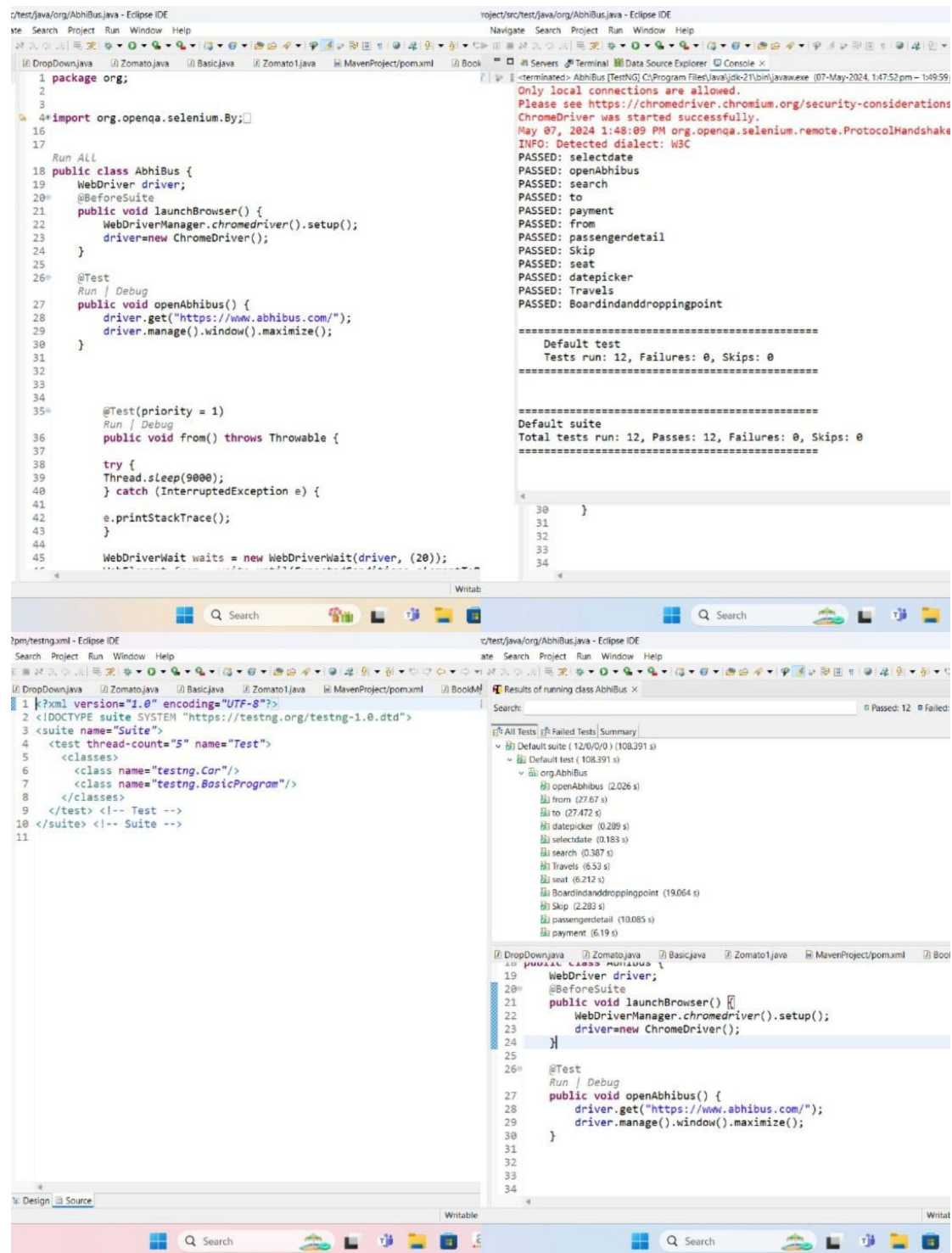
9. And then Next Step click the Continue button.



10. Last Step is Going to the payment page and then click the payment button.



After all the process in eclipse software the console will be like this



CONCLUSION

1. Outcome : succesful demonstration of streamlined automation for booking bus tickets on Abhibus Website.

2. Tools Used : Selenium in Eclipse.

3. Advantages :

▶ Improved efficiency In the booking process.

▶ Reduction in manual errors during the transaction.

4. Implication : The project lays the groundwork for future advancements in optimizing online shopping experiences through test automation.

