LAMBDA TEST

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Agenda

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02. Lambda Test

What is Lambda Test
Features of Lambda Test
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04. Pros and Cons

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05. Conclusion

Conclusion of the topic

Introduction

What is Cross Browser Compatibility?

Cross Browser compatibility is the ability of a website or web application to function across different browsers and operating systems. Compatibility testing is a part of non functional testing .

Introduction

Why do we need Cross Browser Compatibility?

Once the application is stable, we moved it to the production, it may be used or accessed by multiple users on the different platforms, and they may face some compatibility issues, to avoid these issues, we do one round of compatibility testing. A simple website is comprised of 3 major technologies HTML , CSS and JAVASCRIPT. In the backend different technologies are used . But overall in the front end in the rendering only these 3 main technologies are used. Each browser used different rendering engine.

Introduction

Why do we need Cross Browser Compatibility?

Rendering Engine

Blink

Gecko

Web Kit

What is Lambda Test?

Lambda Test

- ✓ Lambda Test is a scalable cloud-based cross browser testing platform.
- ✓ Designed to offer all website or web app testing need to cloud infrastructure.
- ✓ Lambda Test platform helps you to ensure your web app elements (such as JavaScript, CSS, HTLM5, Video etc.) render seamlessly across every desktop and mobile web browser
- ✓ Can test on 2000+ Real Browsers and operating systems .

Features

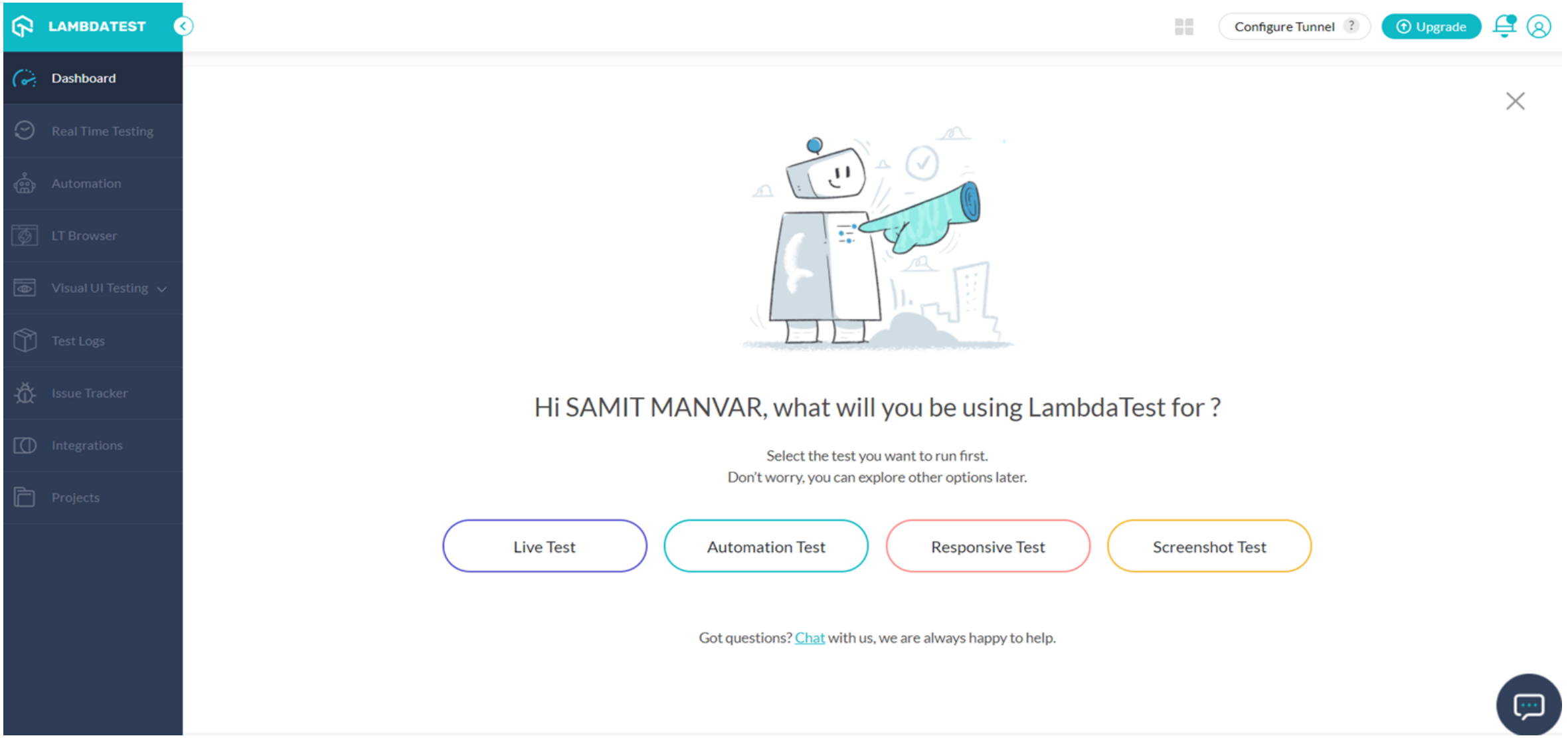
- ✓ It supports automated cross-browser testing across 2,000+ real browsers, platforms, and device emulators.
- ✓ Supports Parallel Execution
- ✓ It lets you check the responsiveness of the website or web application across different devices (iOS and Android) and viewport sizes.
- ✓ Locally hosted web testing.
- ✓ Supports automation testing with Selenium 4, the latest release of the Selenium framework.

Types of Testing Performed

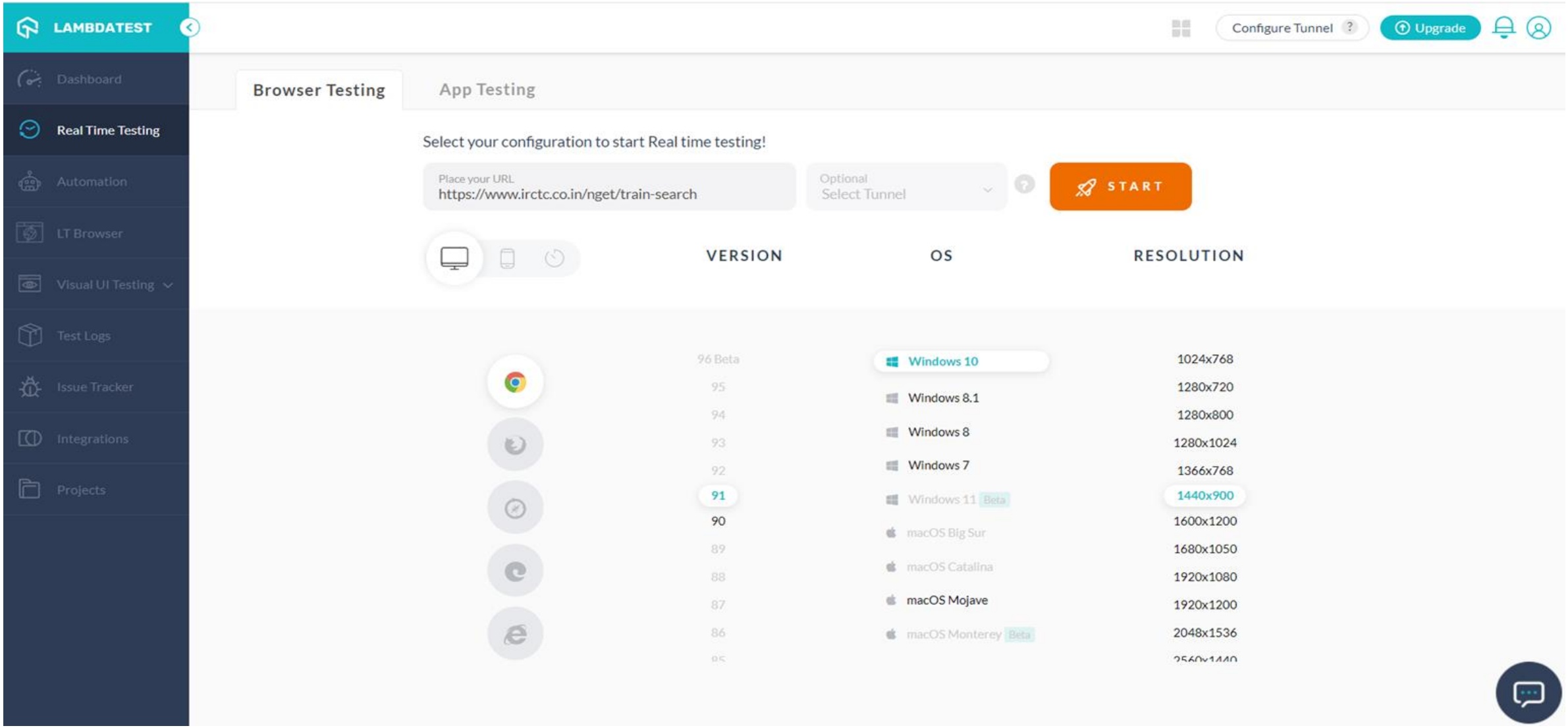
- ✓ Real Time Testing (Live Testing)
- ✓ LT Browser Testing
- ✓ Automation Testing
- ✓ Screenshot Testing
- ✓ Integration Testing

DEMONSTRATION

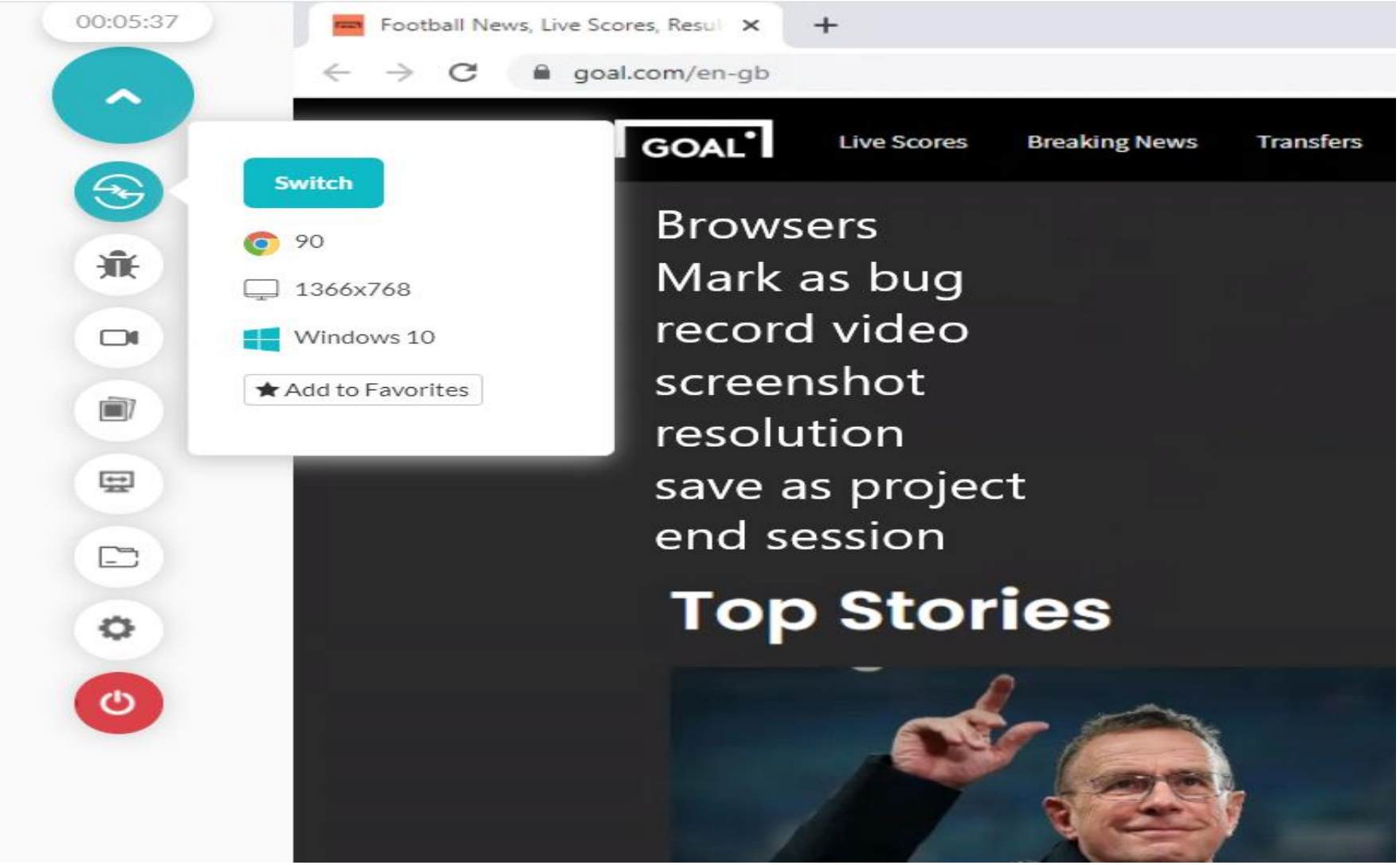
Dashboard


LAMBDATEST
Dashboard
Real Time Testing
Automation
LT Browser
Visual UI Testing
Test Logs
Issue Tracker
Integrations
Projects
Configure Tunnel
Upgrade
Hi SAMIT MANVAR, what will you be using LambdaTest for ?
Select the test you want to run first.
Don't worry, you can explore other options later.
Live Test
Automation Test
Responsive Test
Screenshot Test
Got questions? Chat with us, we are always happy to help.

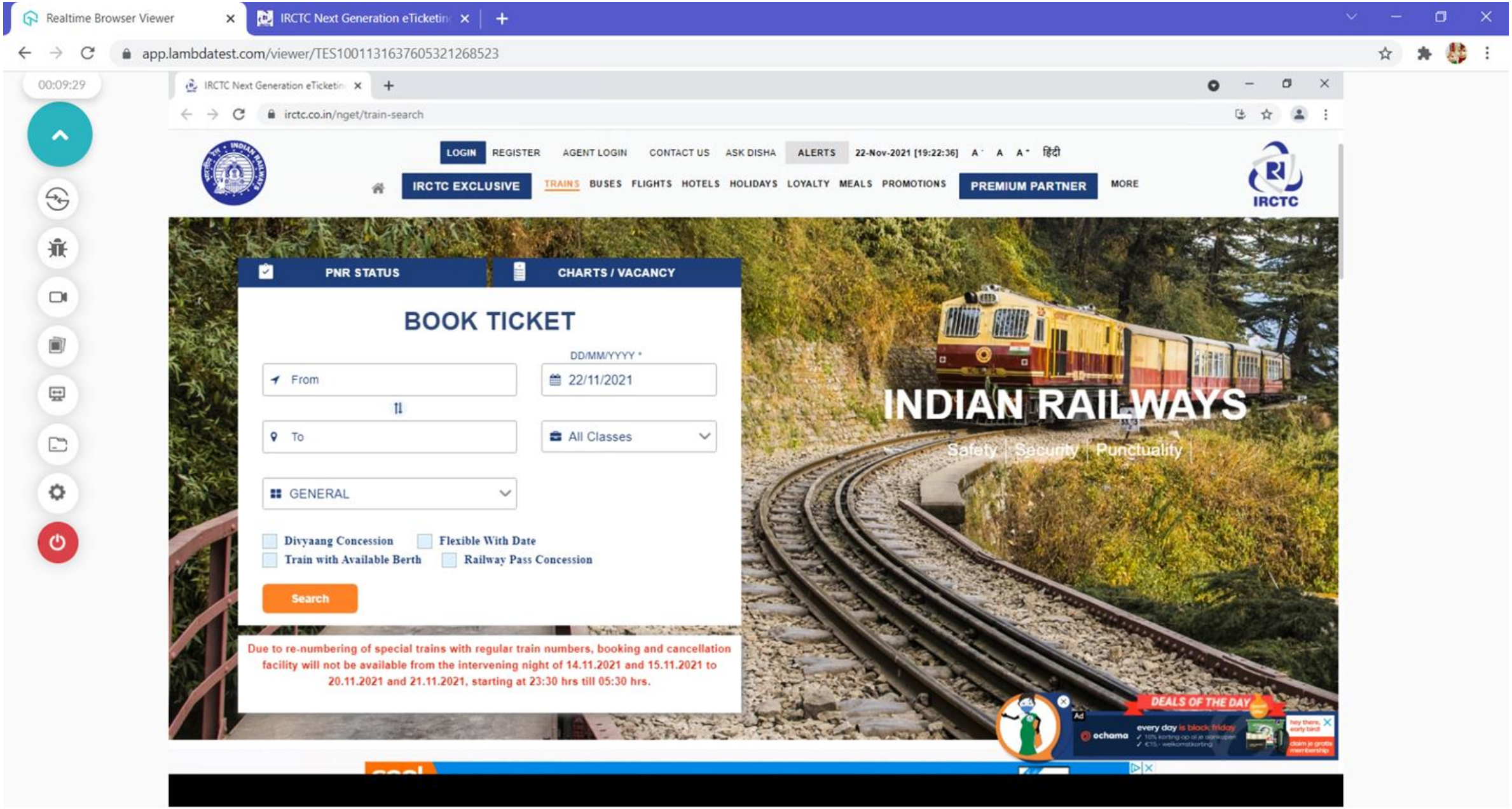
LIVE TESTING



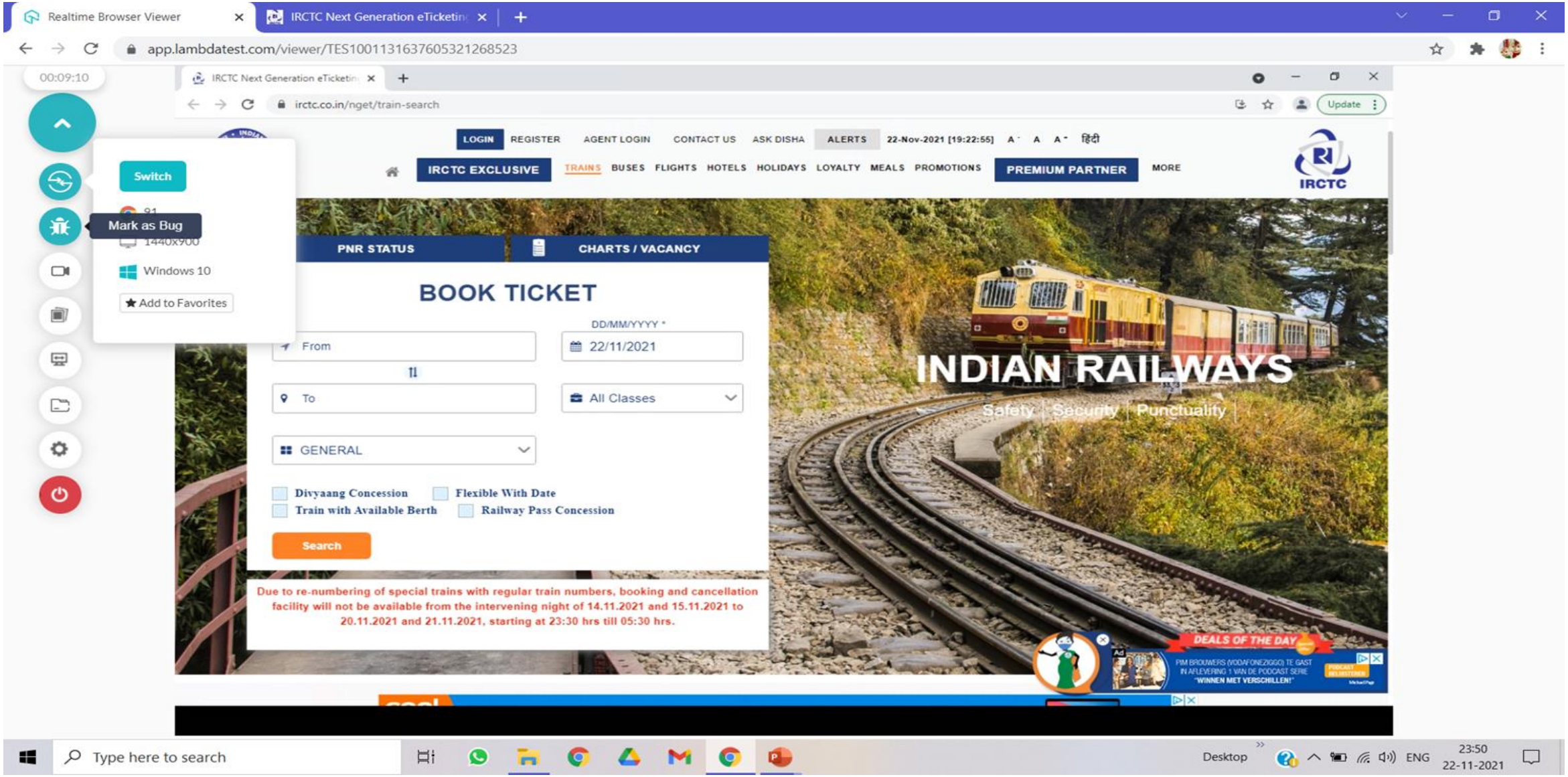
LIVE TESTING



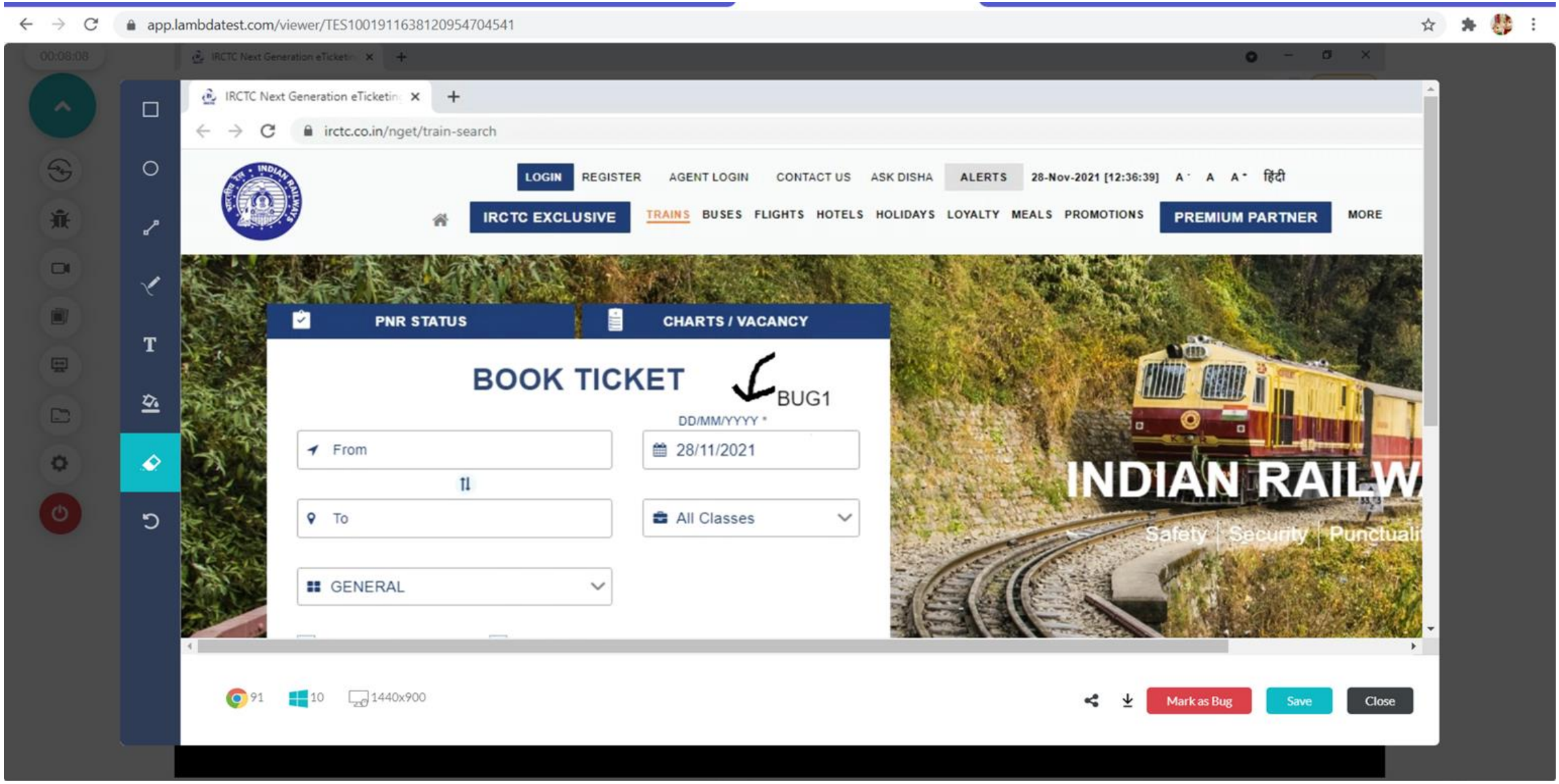
LIVE TESTING



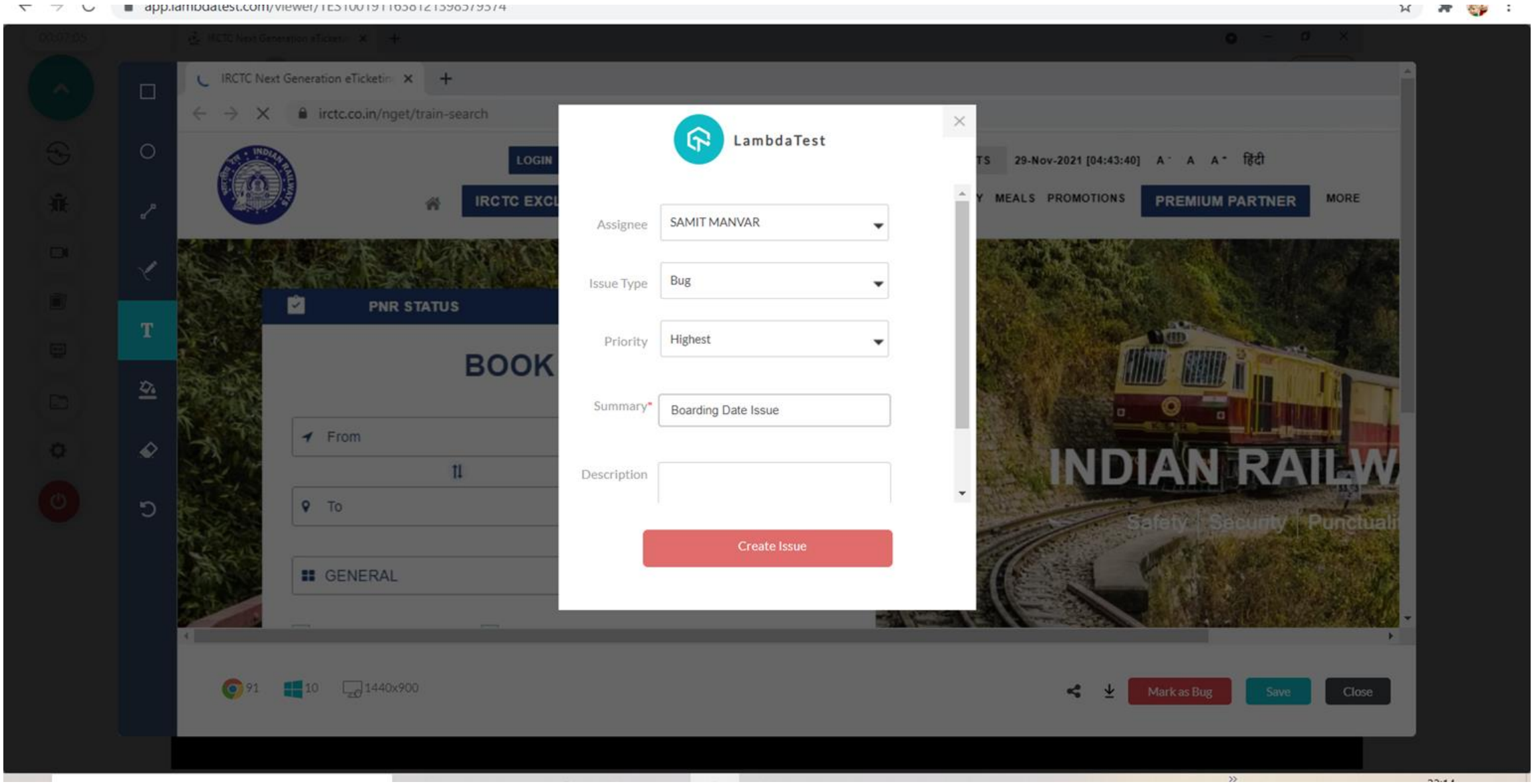
LIVE TESTING



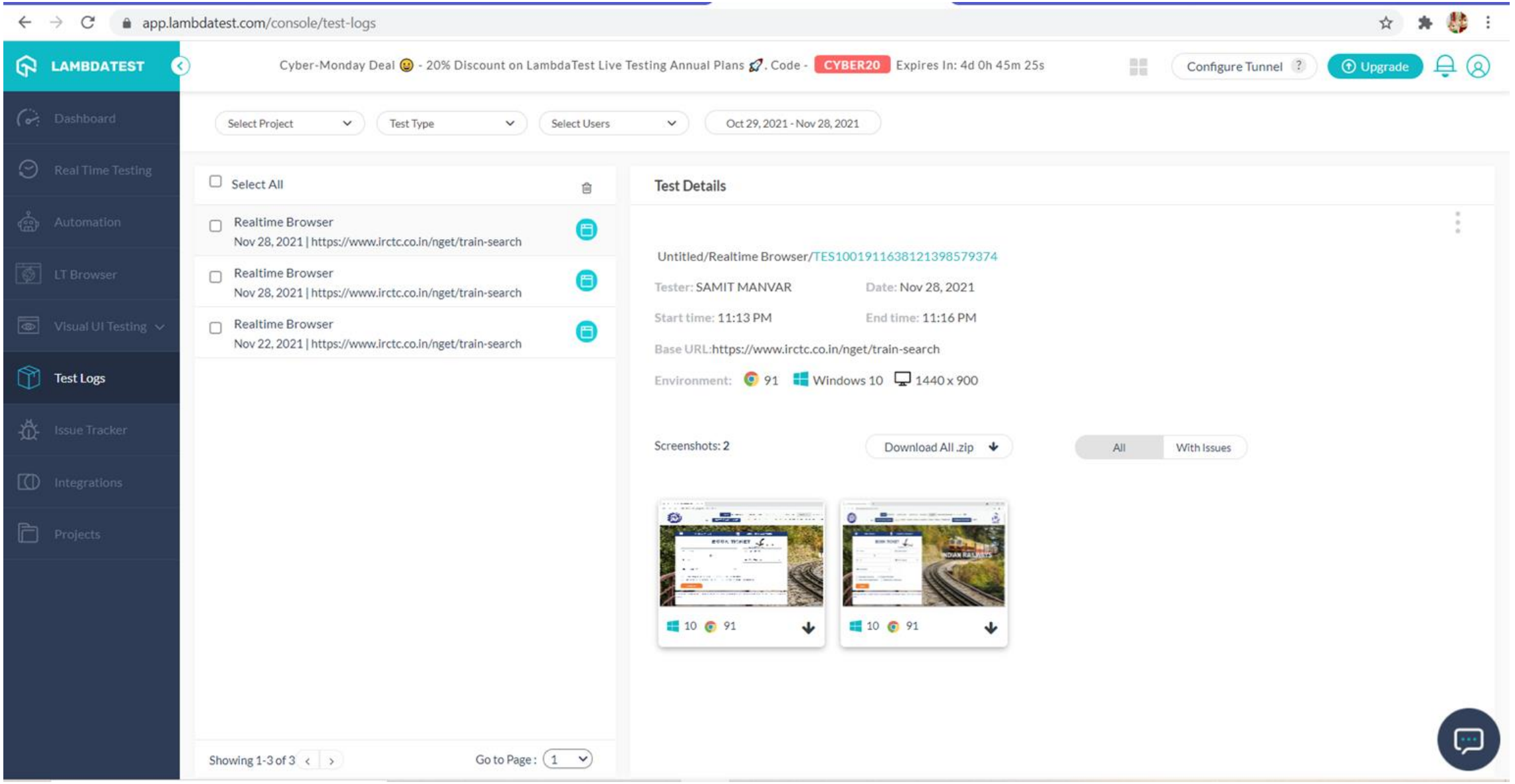
LIVE TESTING



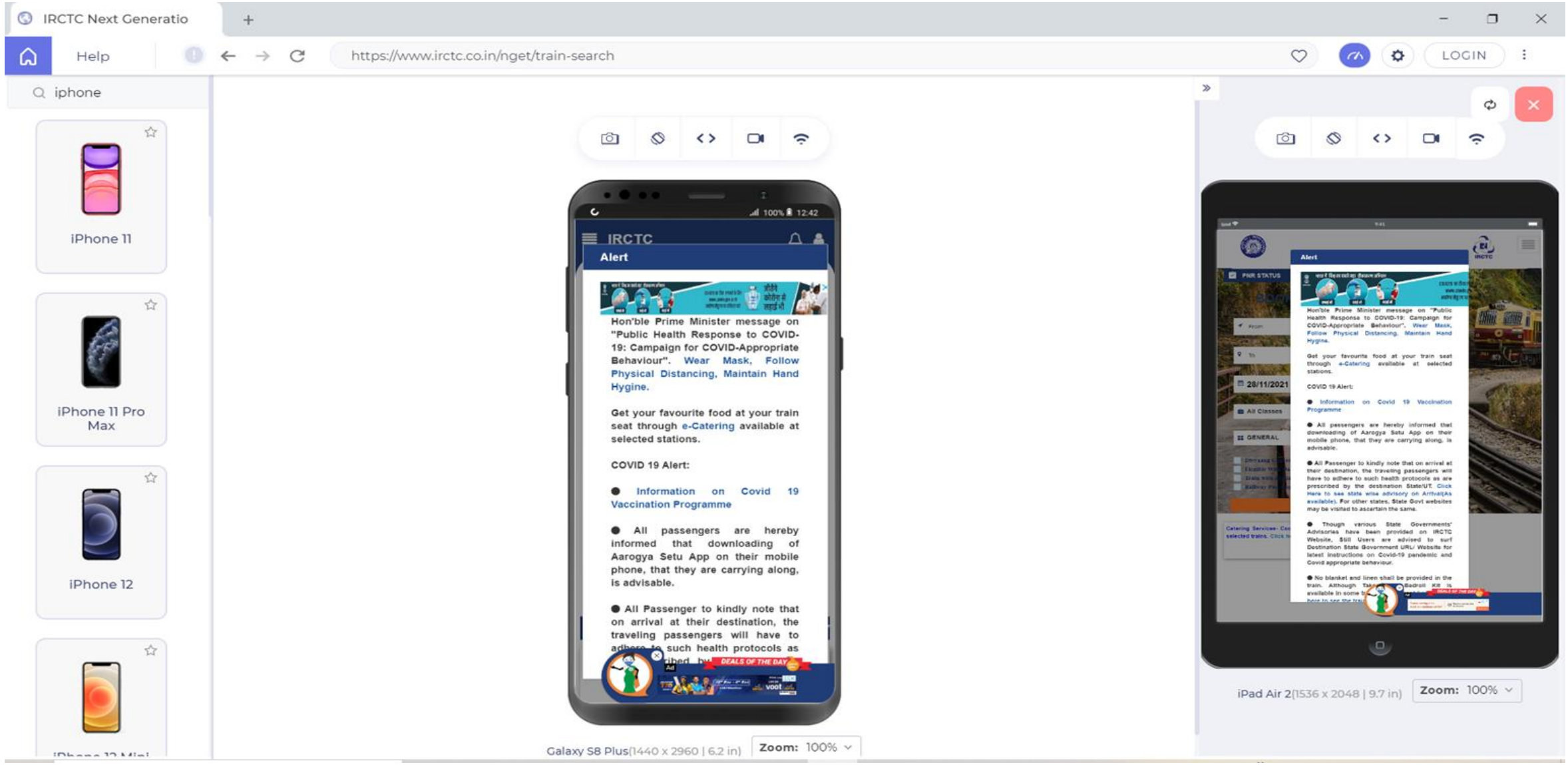
LIVE TESTING



Test Logs


app.lambdatest.com/console/test-logs
LAMBDATEST
Cyber-Monday Deal - 20% Discount on LambdaTest Live Testing Annual Plans. Code - CYBER20 Expires In: 4d 0h 45m 25s
Configure Tunnel
Upgrade
Dashboard
Real Time Testing
Automation
LT Browser
Visual UI Testing
Test Logs
Issue Tracker
Integrations
Projects
Select Project
Test Type
Select Users
Oct 29, 2021 - Nov 28, 2021
Select All
Realtime Browser
Nov 28, 2021 | https://www.irctc.co.in/nget/train-search
Realtime Browser
Nov 28, 2021 | https://www.irctc.co.in/nget/train-search
Realtime Browser
Nov 22, 2021 | https://www.irctc.co.in/nget/train-search
Showing 1-3 of 3
Go to Page : 1
Test Details
Untitled/Realtime Browser/TES100191163812139857937 4
Tester: SAMIT MANVAR
Date: Nov 28, 2021
Start time: 11:13 PM
End time: 11:16 PM
Base URL:https://www.irctc.co.in/nget/train-search
Environment: 91 Windows 10 1440 x 900
Screenshots: 2
Download All .zip
All
With Issues
10 91
10 91

LT BROWSER TESTING



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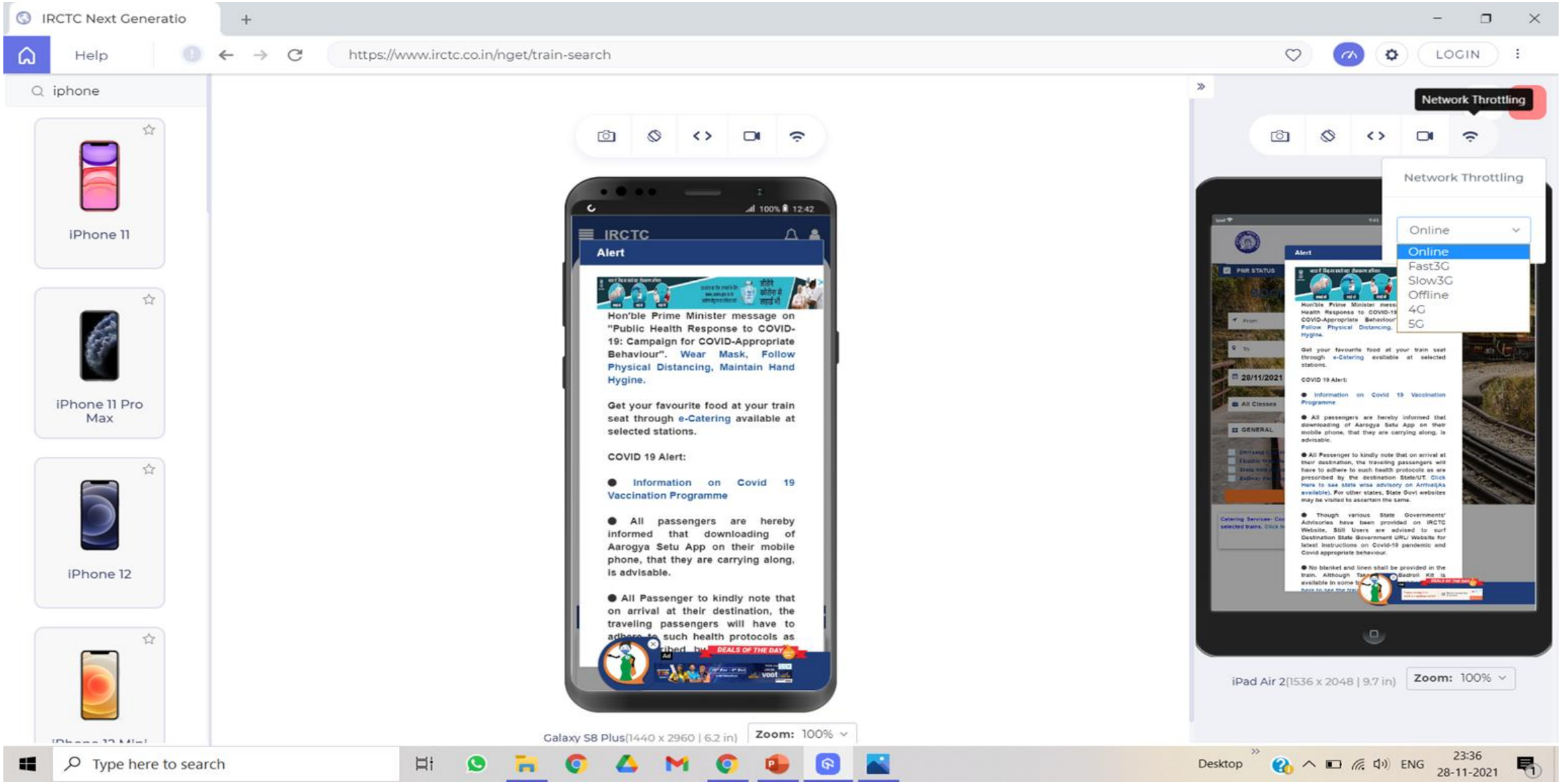

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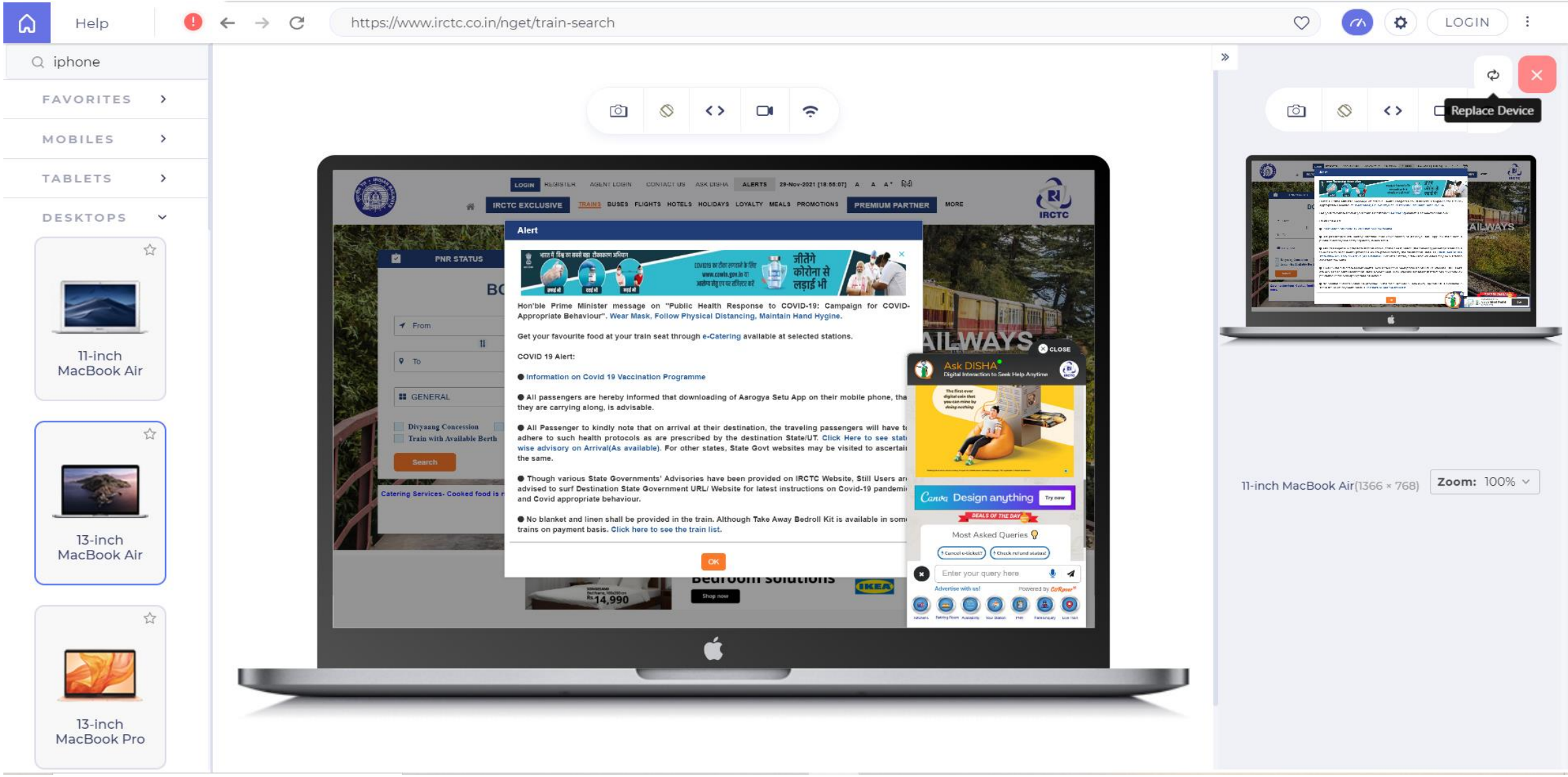
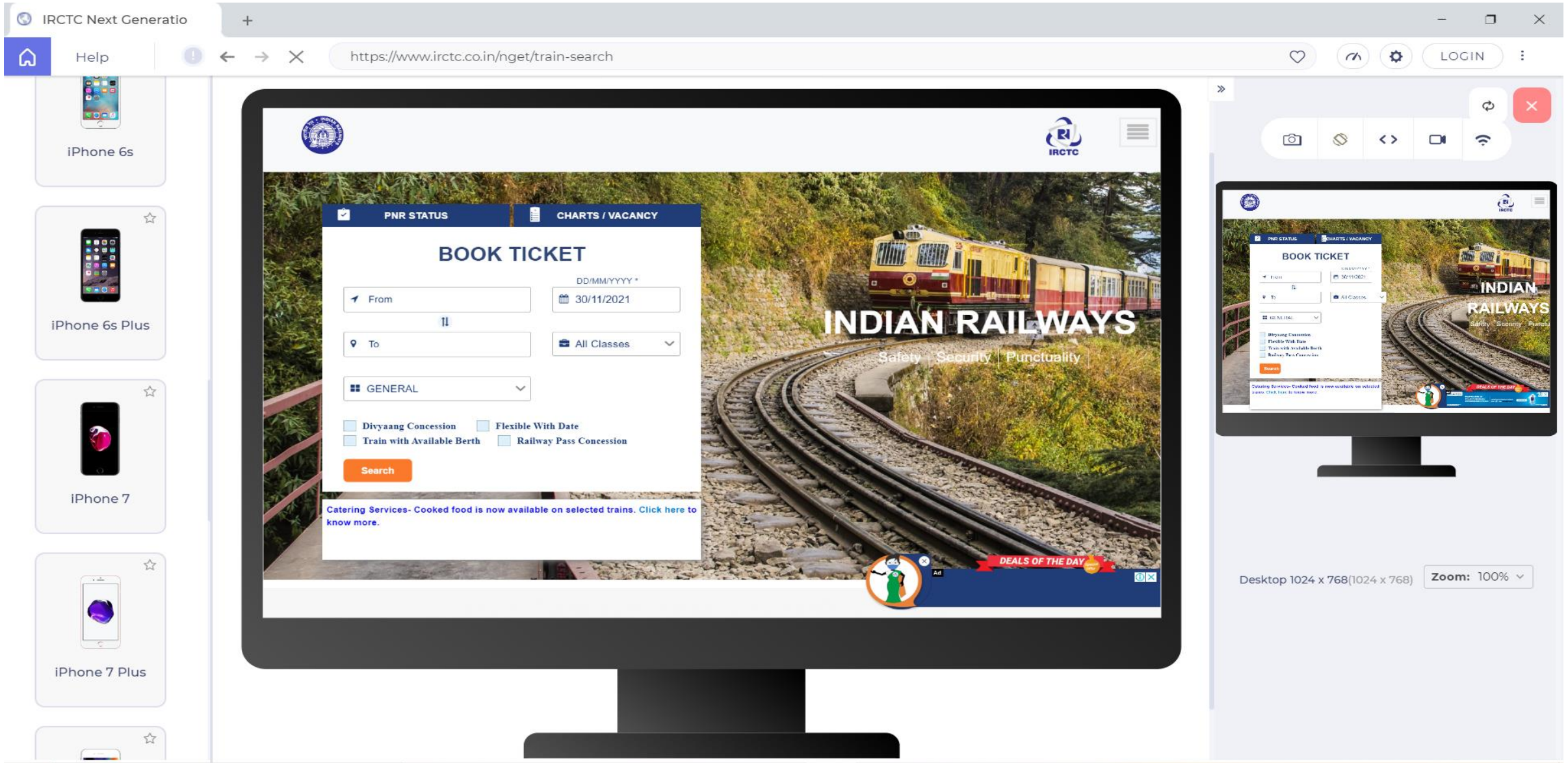
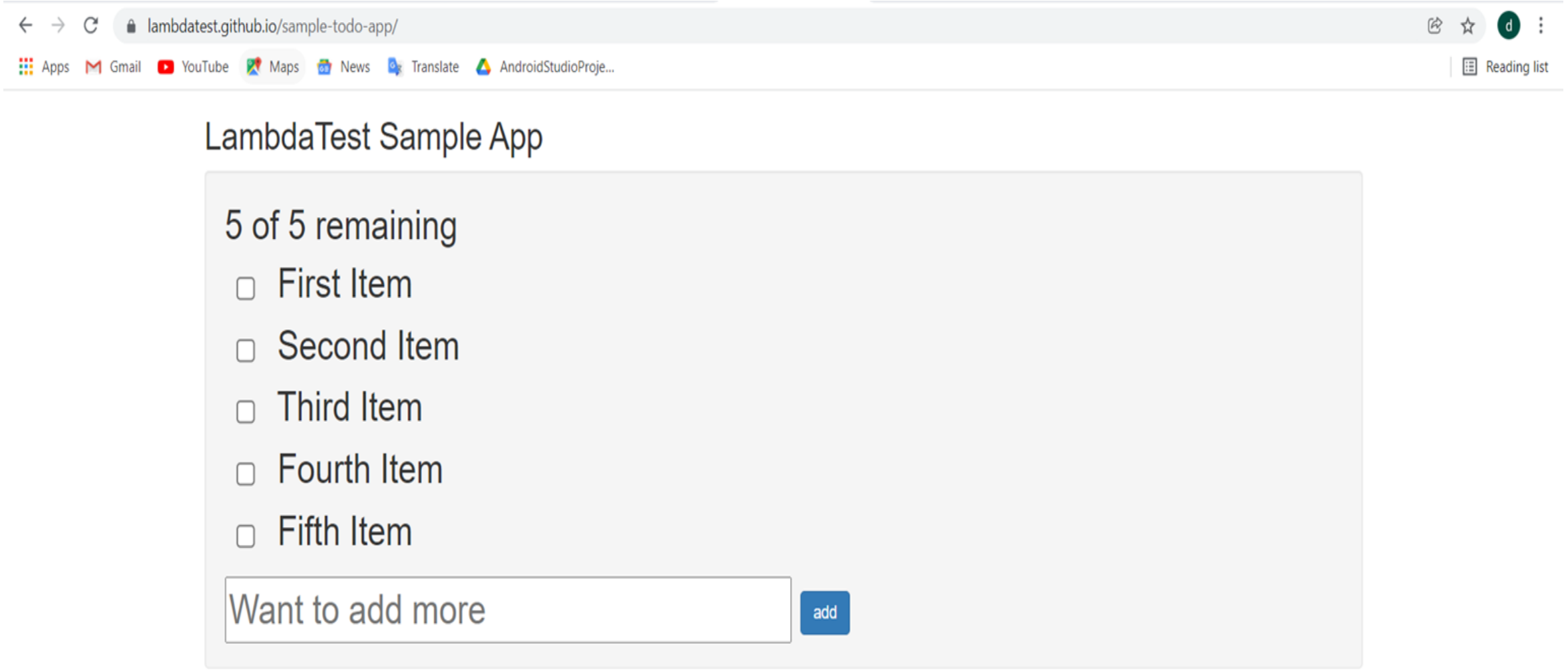


LT BROWSER TESTING



AUTOMATION TESTING



AUTOMATION TESTING

```
import java.net.MalformedURLException;
import java.net.URL;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.remote.DesiredCapabilities;
import org.openqa.selenium.remote.RemoteWebDriver;
public class JavaTodo {
    String username = "dhruwaah";
    String accesskey = "eRKxKjJ7gjD7wn1StYm3f2g0Hj0r7r28bDQhKoH8wOZNtnkrZk";
    static RemoteWebDriver driver = null;
    String gridURL = "@hub.lambdatest.com/wd/hub";
    boolean status = false;
    public static void main(String[] args) {
        new JavaTodo().test();
    }
```

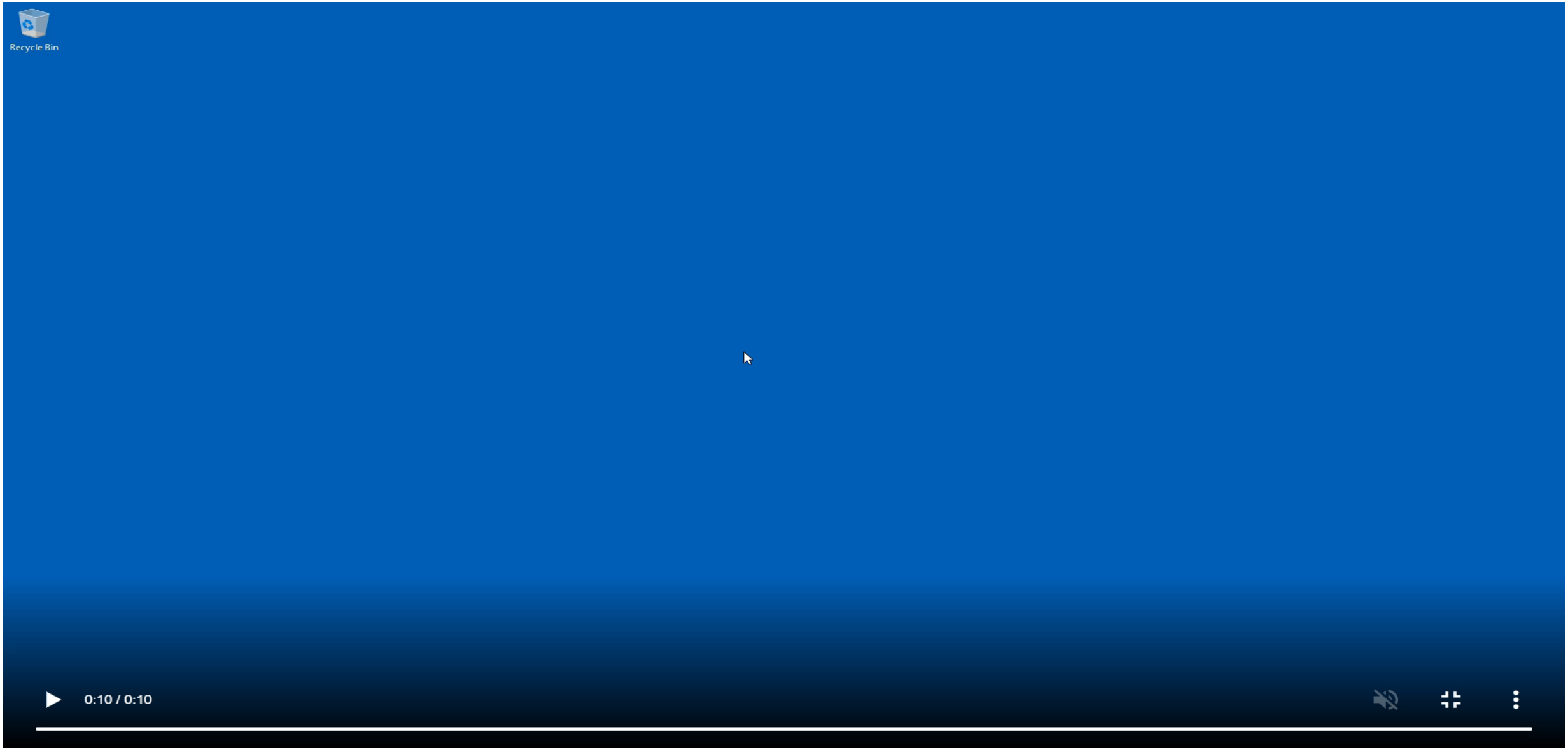
AUTOMATION TESTING

```
public void test() {
    // To Setup driver
    setUp();
    try {
          //Change it to production page
        driver.get("https://lambdatest.github.io/sample-todo-app/");

          //Let's mark done first two items in the list.
          driver.findElement(By.name("li1")).click();
        driver.findElement(By.name("li2")).click();

         // Let's add an item in the list.
          driver.findElement(By.id("sampletodotext")).sendKeys("Yey, Let's add it to list");
        driver.findElement(By.id("addbutton")).click();

          // Let's check that the item we added is added in the list.
        String enteredText = driver.findElementByXPath("/html/body/div/div/div/ul/li[6]/span").getText();
        if (enteredText.equals("Yey, Let's add it to list")) {
            status = true;
        }
    } catch (Exception e) {
        System.out.println(e.getMessage());
    } finally {
        tearDown();
    }
}
```

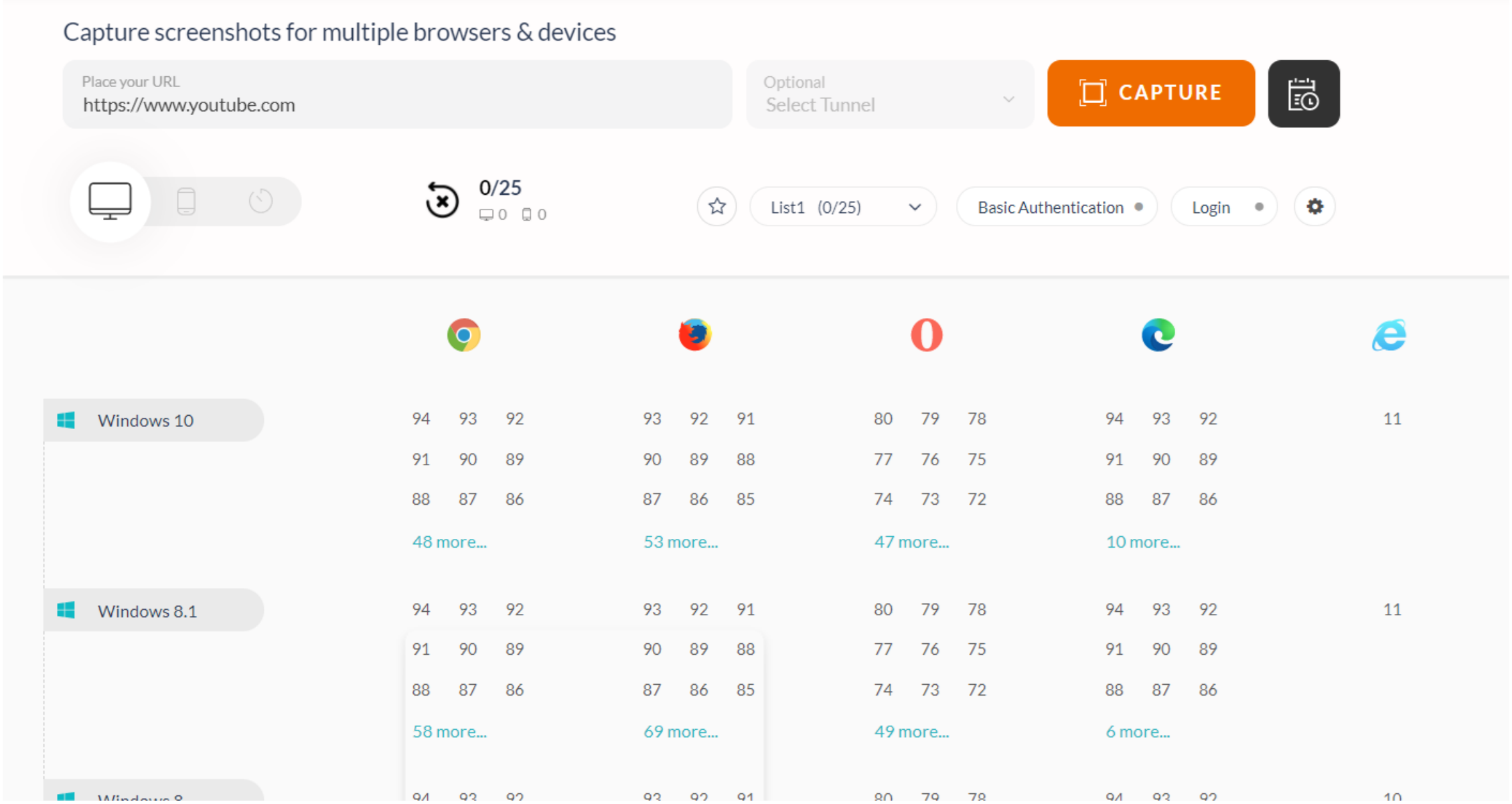
AUTOMATION TESTING

```
private void setUp() {
    DesiredCapabilities capabilities = new DesiredCapabilities();
    capabilities.setCapability("browserName", "chrome");
    capabilities.setCapability("version", "70.0");
    capabilities.setCapability("platform", "win10"); // If this cap isn't specified, it will just get any availe
    capabilities.setCapability("build", "LambdaTestSampleApp");
    capabilities.setCapability("name", "LambdaTestJavaSample");
    try {
        driver = new RemoteWebDriver(new URL("https://" + username + ":" + accesskey + gridURL), capabilities);
    } catch (MalformedURLException e) {
        System.out.println("Invalid grid URL");
    } catch (Exception e) {
        System.out.println(e.getMessage());
    }
}
private void tearDown() {
    if (driver != null) {
        ((JavascriptExecutor) driver).executeScript("lambda-status=" + status);
        driver.quit(); //really important statement for preventing your test execution from a timeout.
    }
}
```

AUTOMATION TESTING



SCREENSHOT TESTING



SCREENSHOT TESTING

Test Details

Untitled/Screenshot Test/TES1001911638205475800117

Tester: dhruva S

Date: Nov 29, 2021

Start time: 10:34 PM

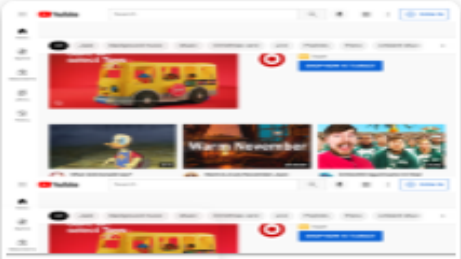
End time: 10:35 PM

Base URL:https://www.youtube.com

Screenshots: 1

Download All .zip

All | With Issues



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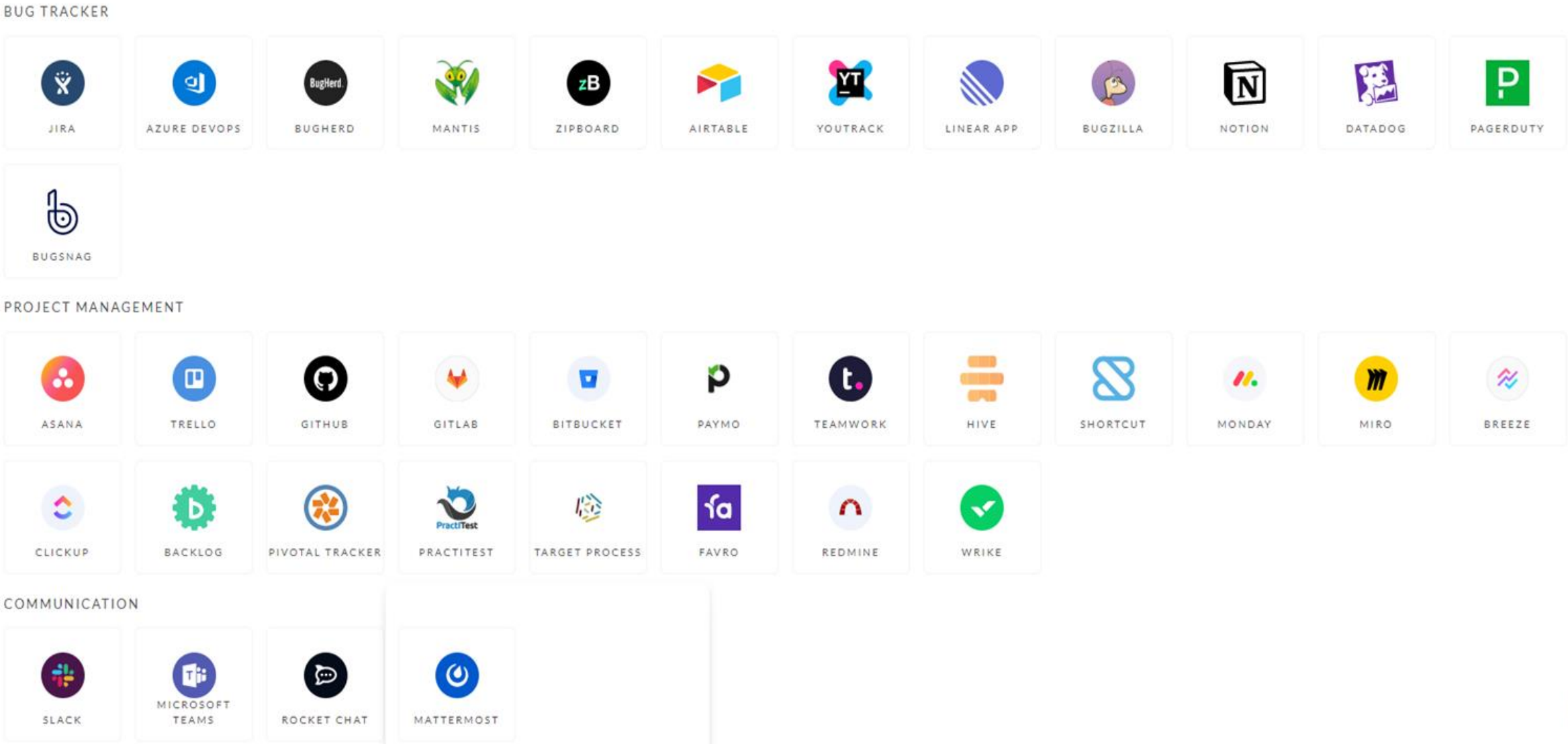
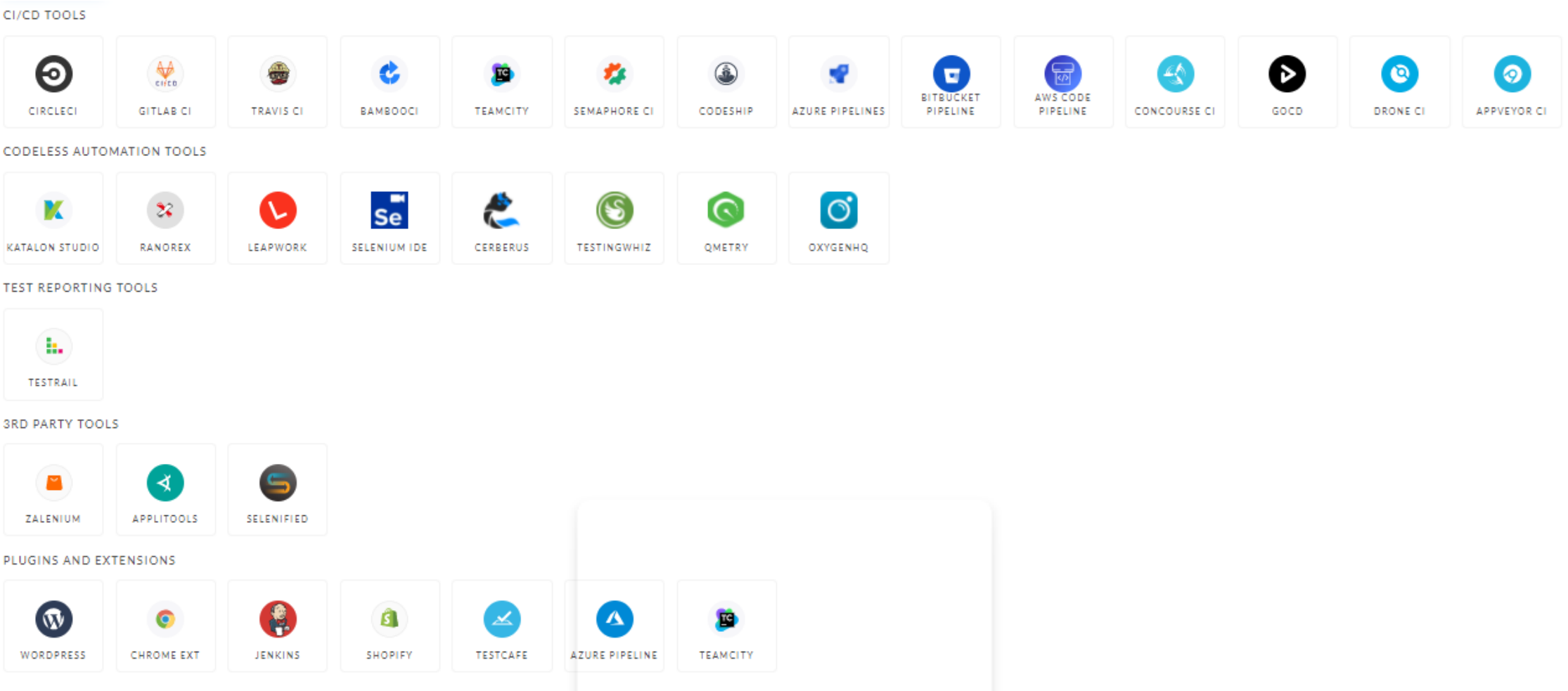
INTEGRATION TESTING



INTEGRATION TESTING



Pros and Cons

Pros

- Easy to use
- No additional installation is needed since it is a cloud-based cross browser testing platform
- Secure
- Reliable

Cons

- Not available for free
- No native app testing
- No real device (only emulators)

Conclusion

- It's not just about infrastructure, you get a whole range of complimentary features that will make your cross browser testing experience smoother and help you ship products faster.
- Also it is trusted By 500,000+ Users.
- With Lambda Test you can choose from a wide range of Windows and Mac operating systems, along with all legacy and latest browsers.

LAMBDATEST

CROSS BROWSER TESTING CLOUD

Thank You