**ECLIPSE FLIGHTBOOKING WEBSITE CODE:**

MAIN:

package pommain;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.AfterClass;

import org.testng.annotations.BeforeClass;

import com.aventstack.extentreports.ExtentTest;

import com.aventstack.extentreports.Status;

import com.aventstack.extentreports.ExtentReports;

import org.testng.annotations.Test;

import com.aventstack.extentreports.reporter.ExtentHtmlReporter;

import jdbc.jdbcbookings;

import jdbc.jdbcuser;

import pompages.completebooking;

import pompages.loginuser;

import pompages.userregistration;

public class fbwtest {

WebDriver driver;

loginuser lu = new loginuser();

userregistration ur = new userregistration();

completebooking cb = new completebooking();

jdbcuser ju= new jdbcuser();

jdbcbookings jb=new jdbcbookings();

ExtentReports extent = new ExtentReports();

@Test

public void flightticketbooking()

{

driver = new ChromeDriver();

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

driver.get("http://localhost:8080/FlyAway/login");

System.out.println("----------------------------------------------------");

ur.userregistrationmethod(driver);

ExtentTest test1 = extent.createTest("registrationpage","Testing the user registration");

test1.log(Status.PASS, "registration done");

System.out.println("registration successfull");

System.out.println("----------------------------------------------------");

lu.loginusermethod(driver);

ExtentTest test2 = extent.createTest("userlogin","Testing Login");

test2.log(Status.PASS, "login done");

System.out.println("Login successfull");

System.out.println("----------------------------------------------------");

ju.jdbcusermethod();

ExtentTest test4 = extent.createTest("userdetails","from database");

test4.log(Status.PASS, "done");

System.out.println("database done");

System.out.println("----------------------------------------------------");

cb.completebookingmethod(driver);

ExtentTest test3 = extent.createTest("booking page","checking booking");

test3.log(Status.PASS, "ticket booking done");

System.out.println("flight booking successfull");

System.out.println("----------------------------------------------------");

jb.jdbcbookingsmethod();

ExtentTest test5 = extent.createTest("userbookingdetails","from database");

test5.log(Status.PASS, "done");

System.out.println("database done");

System.out.println("----------------------------------------------------");

}

@BeforeClass

public void beforeClass() {

String ptReport = System.getProperty("user.dir")+"/Reports/";

String rName = "flightbookingtests.html";

String fname = ptReport+rName;

System.out.println(fname);

ExtentHtmlReporter html = new ExtentHtmlReporter(fname);

extent.attachReporter(html);

System.out.println("beforeClass");

}

@AfterClass

public void afterClass() {

extent.flush();

System.out.println("afterClass");

}

}

USER REGISTRATION:

package pompages;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

public class userregistration {

public void userregistrationmethod(WebDriver driver) {

driver.findElement(By.xpath("//\*[@href='signup']")).click();

driver.findElement(By.xpath("//input[@name='email\_id']")).sendKeys("satinew@gmail.com");

driver.findElement(By.xpath("//input[@name='pwd']")).sendKeys("satinew@143");

driver.findElement(By.xpath("//input[@name='pwd2']")).sendKeys("satinew@143");

driver.findElement(By.xpath("//input[@name='name']")).sendKeys("satinew");

driver.findElement(By.xpath("//input[@name='address']")).sendKeys("mpladdress");

driver.findElement(By.xpath("//input[@name='city']")).sendKeys("mplcity");

driver.findElement(By.xpath("/html/body/form/table/tbody/tr[7]/td/button")).click();

System.out.println("-------------details from Eclipse------------------");

System.out.println( "satinew@gmail.com"+" "+"satinew@143"+" "+"satinew"+" "+"mpladdress"+" "+"mplcity");

}

}

LOGIN:

package pompages;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

public class loginuser {

public void loginusermethod(WebDriver driver) {

driver.findElement(By.xpath("//\*[@href='login']")).click();

driver.findElement(By.xpath("//input[@name='email\_id']")).sendKeys("sati@gmail.com");

driver.findElement(By.xpath("//input[@name='pwd']")).sendKeys("sati@143");

driver.findElement(By.xpath("/html/body/form/table/tbody/tr[3]/td/button")).click();

}

}

COMPLETE BOOKING:

package pompages;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

public class completebooking {

public void completebookingmethod(WebDriver driver) {

driver.findElement(By.xpath("//\*[@href='home']")).click();

driver.findElement(By.xpath("//select[@name='source']")).click();

driver.findElement(By.xpath("//select[@name='source']//option[@value='1']")).click();

driver.findElement(By.xpath("//select[@name='destination']")).click();

driver.findElement(By.xpath("//select[@name='destination']//option[@value='11']")).click();

WebElement table1 = driver.findElement(By.xpath("/html/body/table"));

List<WebElement> rowsList = table1.findElements(By.tagName("tr"));

List<WebElement> columnsList = null;

for (WebElement row : rowsList) {

System.out.println();

columnsList = row.findElements(By.tagName("td"));

for (WebElement column : columnsList) {

System.out.print(column.getText() + " ");

}

}

driver.findElement(By.xpath("//html/body/form/table/tbody/tr/td[3]/button")).click();

driver.findElement(By.xpath("//a[contains(text(),'Book Flight')]")).click();

driver.findElement(By.xpath("//a[contains(text(),'Your Bookings')]")).click();

WebElement table2 = driver.findElement(By.xpath("//table"));

List<WebElement> rowsList1 = table2.findElements(By.tagName("tr"));

List<WebElement> columnsList1 = null;

for (WebElement row : rowsList1) {

System.out.println();

columnsList1 = row.findElements(By.tagName("td"));

for (WebElement column : columnsList1) {

System.out.print(column.getText() + " ");

}

}

}

}

JDBC USER:

package jdbc;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

public class jdbcuser {

static Connection conn;

public void jdbcusermethod() {

String conn\_url = "jdbc:mysql://localhost:3306/flyaway";

String UN = "root";

String PWD = "root";

conn = null;

try {

String qry = "select \* from f\_user where name = 'sati' ";

conn = DriverManager.getConnection(conn\_url, UN, PWD);

Statement statement = conn.createStatement();

ResultSet resultSet = statement.executeQuery(qry);

while (resultSet.next()) {

String id\_no = (resultSet.getString("id"));

String act\_name = (resultSet.getString("name"));

String email\_id = (resultSet.getString("email"));

String datesignup = (resultSet.getString("date\_signup"));

String addr = (resultSet.getString("address"));

String city\_name = (resultSet.getString("city"));

String password = (resultSet.getString("pwd"));

System.out.println("\n"+"------user details from Database--------");

System.out.println(" \n "+id\_no+" "+act\_name+" "+email\_id+" "+datesignup+" "+addr+" "+city\_name+" "+password);

}

}

catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

System.out.println("user login details retrieved from database ");

}

}

JDBC BOOKINGS:

package jdbc;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

public class jdbcbookings {

static Connection conn;

public void jdbcbookingsmethod() {

String conn\_url = "jdbc:mysql://localhost:3306/flyaway";

String UN = "root";

String PWD = "root";

conn = null;

try {

String qry2 = "select \* from f\_bookings where user\_id = '4' ";

conn = DriverManager.getConnection(conn\_url, UN, PWD);

Statement statement = conn.createStatement();

ResultSet resultSet2 = statement.executeQuery(qry2);

while (resultSet2.next()) {

String id\_no1 = (resultSet2.getString("ID"));

String userid = (resultSet2.getString("user\_id"));

String flightid = (resultSet2.getString("flight\_id"));

String price = (resultSet2.getString("price"));

String bookingdate = (resultSet2.getString("booking\_date"));

String flightdate = (resultSet2.getString("flight\_date"));

System.out.println("\n"+"--------------flight booking details from database data---------");

System.out.println(" \n "+id\_no1+" "+userid+" "+flightid+" "+price+" "+bookingdate+" "+flightdate);

}

}

catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

System.out.println("donebookings");

}

}

ECLIPSE CODE OUTPUT:

[RemoteTestNG] detected TestNG version 6.9.8

[TestNG] Running:

/tmp/testng-eclipse-338993994/testng-customsuite.xml

/home/skatemcisco/eclipse-workspace/FlightBookingWebsite/Reports/flightbookingtests.html

beforeClass

SLF4J: No SLF4J providers were found.

SLF4J: Defaulting to no-operation (NOP) logger implementation

SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.

Starting ChromeDriver 2.41.578700 (2f1ed5f9343c13f73144538f15c00b370eda6706) on port 14252

Only local connections are allowed.

Apr 06, 2023 5:16:17 AM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch

WARNING: Unable to find CDP implementation matching 83

Apr 06, 2023 5:16:17 AM org.openqa.selenium.chromium.ChromiumDriver lambda$new$3

WARNING: Unable to find version of CDP to use for . You may need to include a dependency on a specific version of the CDP using something similar to `org.seleniumhq.selenium:selenium-devtools-v86:4.7.1` where the version ("v86") matches the version of the chromium-based browser you're using and the version number of the artifact is the same as Selenium's.

----------------------------------------------------

-------------details from Eclipse------------------

satinew@gmail.com satinew@143 satinew mpladdress mplcity

registration successfull

----------------------------------------------------

Login successfull

----------------------------------------------------

------user details from Database--------

4 satinew satinew@gmail.com 2023-04-05 18:00:08 mpladdress mplcity satinew@14

user login details retrieved from database

database done

----------------------------------------------------

Source Destination Airline Duration Cost

Bangalore Chennai AirAsia Dep.8 pm Arr.9.30pm (1.30 hours) 4500.00 Book Flight

Bangalore Hyderabad Vistara Dep.8 AM Arr.10:30 AMx (2.5 HOURS) 2500.00 Book Flight

Date Of Booking Source Destination Airline Cost

2023-04-06 05:16:22.0 Bangalore Hyderabad Dep.8 AM Arr.10:30 AMx (2.5 HOURS) 2500.00

2023-04-05 19:55:13.0 Bangalore Hyderabad Dep.8 AM Arr.10:30 AMx (2.5 HOURS) 2500.00 flight booking successful

----------------------------------------------------

--------------flight booking details from database data---------

30 4 7 2500.00 2023-04-05 19:55:13 2023-04-05 19:55:13

--------------flight booking details from database data---------

31 4 7 2500.00 2023-04-06 05:16:22 2023-04-06 05:16:22

donebookings

database done

----------------------------------------------------

afterClass

PASSED: flightticketbooking

===============================================

Default test

Tests run: 1, Failures: 0, Skips: 0

===============================================

===============================================

Default suite

Total tests run: 1, Failures: 0, Skips: 0

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[TestNG] Time taken by [FailedReporter passed=0 failed=0 skipped=0]: 1 ms

[TestNG] Time taken by org.testng.reporters.JUnitReportReporter@69997e9d: 1 ms

[TestNG] Time taken by org.testng.reporters.XMLReporter@193f604a: 5 ms

[TestNG] Time taken by org.testng.reporters.EmailableReporter2@29d89d5d: 2 ms

[TestNG] Time taken by org.testng.reporters.SuiteHTMLReporter@693fe6c9: 7 ms

[TestNG] Time taken by org.testng.reporters.jq.Main@1cbb87f3: 32 ms

POSTMAN CODES:

LOGIN PAGE:

URL: https://www.goibibo.com/flights/

TESTS: pm.test("Status code is 200", *function* () {

pm.response.to.have.status(200);

});

pm.test("TestTitle", *function* ()

{

*const* $ = cheerio.load(pm.response.text());

*console*.log($('title').text());

pm.expect($('title').text()).to.eql("Flight Tickets, Flights Booking at Lowest Airfare, Book Air Tickets-Goibibo");

});

LOGIN:

URL: http://localhost:8080/FlyAway/ /loginaction?email\_id={{id}}&pwd={{Pwd}}\

Tests: pm.test("Status code is 200", function () {

pm.response.to.have.status(200);

});

pm.test("TestTitle",function()

{

const $=cheerio.load(pm.response.text());

console.log($('title').text());

pm.expect($('title').text()).to.eql("Fly Away - Dashboard");

});

pm.test("LoginFailed" ,function()

{

pm.expect(pm.response.text()).to.not.include("Login failed")

});

HOME PAGE:

URL: <http://localhost:8080/FlyAway/home>

Tests: pm.test("Status code is 200", function () {

pm.response.to.have.status(200);

});

pm.test("TestTitle",function()

{

const $=cheerio.load(pm.response.text());

console.log($('title').text());

pm.expect($('title').text()).to.eql("Fly Away");

});

const $=cheerio.load(pm.response.text());

//console.log($('title').text());

pm.environment.set("sid", $("select[name='source'] option:nth-child(3)").attr('value'));

pm.environment.set("did", $("select[name='destination'] option:nth-child(4)").attr('value'));

SEARCH FLIGHT PAGE :

URL: http://localhost:8080/FlyAway /home?source={{sid}}&destination={{did}}

Tests: pm.test("Status code is 200", function () {

pm.response.to.have.status(200);

});

pm.test("TestTitle",function()

{

const $=cheerio.load(pm.response.text());

console.log($('title').text());

pm.expect($('title').text()).to.eql("Fly Away");

});

const $=cheerio.load(pm.response.text());

//console.log($('title').text());

pm.environment.set("fid", $("a[href^='book']").attr('href'));

BOOKING FLIGHT PAGE:

URL: [http://localhost:8080/FlyAway/{{fid}}](http://localhost:8080/FlyAway/%7b%7bfid%7d%7d)

Tests: pm.test("Status code is 200", function () {

pm.response.to.have.status(200);

});

pm.test("TestTitle",function()

{

const $=cheerio.load(pm.response.text());

console.log($('title').text());

pm.expect($('title').text()).to.eql("Fly Away - Make Flight Booking");

});

const $=cheerio.load(pm.response.text());

//console.log($('title').text());

console.log($('body > br:nth-child(10)').text());

pm.test("textcheck",function()

{

pm.expect(pm.response.text()).to.include("Your card will be charged an amount of 4500.00");

console.log("Your card will be charged an amount of 4500.00");

});

COMPLETE BOOKING PAGE:

URL: <http://localhost:8080/FlyAway/completepurchase>

Tests: pm.test("Status code is 200", function () {

pm.response.to.have.status(200);

});

pm.test("TestTitle",function()

{

const $=cheerio.load(pm.response.text());

console.log($('title').text());

pm.expect($('title').text()).to.eql("Fly Away - Booking Confirmation");

});

const $=cheerio.load(pm.response.text());

//console.log($('title').text());

console.log($('body > br:nth-child(10)[self::BR]').text());

pm.test("textcheck",function()

{

pm.expect(pm.response.text()).to.include("Your Flight by AirAsia , from Bangalore to Chennai, on Wed Apr 05 11:58:13 UTC 2023 has been booked for 4500.00.");

console.log("Your Flight by AirAsia , from Bangalore to Chennai, on Wed Apr 05 11:58:13 UTC 2023 has been booked for 4500.00.");

});

REST ASSURED CODE:

package restassured;

import io.restassured.RestAssured;

import io.restassured.http.Method;

import io.restassured.path.xml.XmlPath;

import io.restassured.path.xml.XmlPath.CompatibilityMode;

import io.restassured.response.Response;

import io.restassured.specification.RequestSpecification;

public class restassuredtestapi

{

public static void main(String[] args) {

String url="http://localhost:8080/FlyAway";

RestAssured.baseURI=url;

RequestSpecification given=RestAssured.given();

Response response1= given.request(Method.GET,"/login");

System.out.println();

String loginbeforepage=response1.getBody().asString();

XmlPath html1 = new XmlPath(CompatibilityMode.HTML,loginbeforepage);

String loginbeforepagetitle = html1.getString("html.head.title");

System.out.println(response1.getStatusCode()+"=="+loginbeforepagetitle);

System.out.println("-----------------------------------------------------------");

String stremail="sati@gmail.com";

String strpwd="sati@143";

Response response2= given.request(Method.POST,"/loginaction?email\_id="+stremail+"&pwd="+strpwd);

System.out.println();

String loginpage=response2.getBody().asString();

XmlPath html2 = new XmlPath(CompatibilityMode.HTML,loginpage);

String loginpagetitle = html2.getString("html.head.title");

System.out.println(response2.getStatusCode()+"=="+loginpagetitle);

System.out.println("-----------------------------------------------------------");

Response response3= given.request(Method.GET,"/home");

System.out.println();

String dashboardpage=response3.getBody().asString();

XmlPath html3 = new XmlPath(CompatibilityMode.HTML,dashboardpage);

String dashboardpagetitle = html3.getString("html.head.title");

System.out.println(response3.getStatusCode()+"=="+dashboardpagetitle);

System.out.println("-----------------------------------------------------------");

int sid=3;

int did=4;

Response response4= given.request(Method.GET,"/home?source="+sid+"&destination="+did);

System.out.println();

String searchpage=response4.getBody().asString();

XmlPath html4 = new XmlPath(CompatibilityMode.HTML,searchpage);

String searchpagetitle = html4.getString("html.head.title");

System.out.println(response4.getStatusCode()+"=="+searchpagetitle);

System.out.println("-----------------------------------------------------------");

int fid=4;

Response response5= given.request(Method.GET,"bookflight?id="+fid);

System.out.println();

String bookpage=response5.getBody().asString();

XmlPath html5 = new XmlPath(CompatibilityMode.HTML,bookpage);

String bookpagetitle = html5.getString("html.head.title");

System.out.println(response5.getStatusCode()+"=="+bookpagetitle);

System.out.println("-----------------------------------------------------------");

Response response6= given.request(Method.GET,"completepurchase");

System.out.println();

String cbookpage=response6.getBody().asString();

XmlPath html6 = new XmlPath(CompatibilityMode.HTML,cbookpage);

String cbookpagetitle = html6.getString("html.head.title");

System.out.println(response6.getStatusCode()+"=="+cbookpagetitle);

System.out.println("-----------------------------------------------------------");

}

}

REST ASSURED CODE OUTPUT:

200==Fly Away - Login

-----------------------------------------------------------

302==

-----------------------------------------------------------

200==Fly Away

-----------------------------------------------------------

200==Fly Away

-----------------------------------------------------------

200==Fly Away

-----------------------------------------------------------

200==Fly Away - Booking Confirmation

-----------------------------------------------------------