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package com.ixigo.page;

import java.util.List;

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.interactions.Actions;

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

import com.ixigo.base.Base;

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public class LoginPage extends Base{

public LoginPage(WebDriver driver, WebDriverWait wait) {

super(driver, wait);

}

private By website\_Logo = By.id("ixiLogoImg");

private By flight\_Tab = By.xpath("//a[text()='flights']");

private By search\_Button = By.xpath("//div[@class='search u-ib u-v-align-bottom']/button");

private By fromCity\_InputBox = By.xpath("//div[@class='input-label' and text()='From']/following-sibling::input");

private By fromCity\_SearchResult = By.xpath("(//div[@class='city'])");

private By toCity\_InputBox = By.xpath("//div[@class='input-label' and text()='To']/following-sibling::input");

private By departureDate\_DatePicker = By.xpath("//div[@class='input-label' and text()='Departure']/following-sibling::input");

private By returnDate\_DatePicker = By.xpath("//div[@class='input-label' and text()='Return']/following-sibling::input");

private By travellers\_DatePicker = By.xpath("//div[@class='input-label' and text()='Travellers | Class']/following-sibling::input");

private By travellersAdult\_Type = By.xpath("//div[contains(text(),'Adult')]");

private By travellersChild\_Type = By.xpath("//div[contains(text(),'Child')]");

private By travellersInfant\_Type = By.xpath("//div[contains(text(),'Infant')]");

private By book\_Button = By.xpath("//button[text()='Book']");

private By nonStop\_CheckBox = By.xpath("//div[text()='Non stop']/../../span[1]/span");

private By flight\_Icon = By.xpath("//i[@class='ixi-icon-plane plane-icon']");

private By filter = By.xpath("//div[text()='Reset Filters']");

public String getTitle() {

try {

String title = driver.getTitle();

return title;

} catch (Exception error) {

error.printStackTrace();

return null;

}

}

public void enteredFromCity(String From\_City) {

try {

waitForElementToBeClickable(fromCity\_InputBox);

doClick(fromCity\_InputBox);

getElement(fromCity\_InputBox).sendKeys(Keys.chord(Keys.CONTROL, "a"));

doSendKeys(fromCity\_InputBox, From\_City);

Thread.sleep(3000);

List <WebElement> yt = driver.findElements(fromCity\_SearchResult);

for(int i=1;i<yt.size();i++) {

waitForElementVisible(By.xpath("(//div[@class='city'])["+i+"]"));

String rt = getElement(By.xpath("(//div[@class='city'])["+i+"]")).getText();

if(rt.contains(From\_City)) {

doClick(By.xpath("(//div[@class='city'])["+i+"]"));

break;

}

}

}catch(Exception error) {

error.printStackTrace();

}

}

public void enteredToCity(String To\_City) {

try {

waitForElementToBeClickable(toCity\_InputBox);

doClick(toCity\_InputBox);

getElement(toCity\_InputBox).sendKeys(Keys.chord(Keys.CONTROL, "a"));

doSendKeys(toCity\_InputBox, To\_City);

Thread.sleep(3000);

List <WebElement> yt = driver.findElements(fromCity\_SearchResult);

for(int i=1;i<yt.size();i++) {

String rt = getElement(By.xpath("(//div[@class='city'])["+i+"]")).getText();

if(rt.contains(To\_City)) {

doClick(By.xpath("(//div[@class='city'])["+i+"]"));

break;

}

}

}catch(Exception error) {

error.printStackTrace();

}

}

public void travellers\_Selection(String travellers\_Type, int travellers\_count) {

try {

By travellers = By.xpath("//div[contains(text(),'"+travellers\_Type+"')]/../../div[2]/span["+travellers\_count+"]");

waitForElementToBeClickable(travellers);

doClick(travellers);

}catch(Exception error) {

error.printStackTrace();

}

}

public void clickOnSearchButton() {

try {

doClick(search\_Button);

waitForElementPrasent(flight\_Icon);

waitForElementVisible(flight\_Icon);

waitForElementToBeInVisible(flight\_Icon);

}catch(Exception error) {

error.printStackTrace();

}

}

public void clickOndepDateInput() {

try {

waitForElementToBeClickable(departureDate\_DatePicker);

doClick(departureDate\_DatePicker);

} catch (Exception error) {

error.printStackTrace();

}

}

public void clickOnReturnDateInput() {

try {

waitForElementToBeClickable(returnDate\_DatePicker);

doClick(returnDate\_DatePicker);

} catch (Exception error) {

error.printStackTrace();

}

}

public void clickOnTravellerType() {

try {

waitForElementToBeClickable(travellers\_DatePicker);

doClick(travellers\_DatePicker);

} catch (Exception error) {

error.printStackTrace();

}

}

public void datePick(String Departure\_date) {

try {

String month\_Name = null;

By locator = By.xpath("//div[@class='rd-month']");

List<WebElement> elementCount = driver.findElements(locator);

for (int i = 1; i <= elementCount.size(); i++) {

By getMonth\_Name = By.xpath("(//div[@class='rd-month-label'])[" + i + "]");

if (getElement(getMonth\_Name).isDisplayed()) {

month\_Name = getElement(getMonth\_Name).getText();

if (month\_Name.substring(0, 3).equals(Departure\_date.substring(3, 6))) {

String date = Departure\_date.substring(0, 2);

By loc = By.xpath("(//div[@class='rd-month'])[" + i + "]/table/tbody//tr");

List<WebElement> date\_Count = driver.findElements(loc);

for (int j = 1; j < date\_Count.size(); j++) {

By loc\_tr = By.xpath("(//div[@class='rd-month'])[" + i + "]/table/tbody//tr[" + j + "]/td");

List<WebElement> row = driver.findElements(loc\_tr);

for (int k = 1; k <= row.size(); k++) {

By loc\_td = By.xpath("(//div[@class='rd-month'])[" + i + "]/table/tbody//tr[" + j

+ "]/td[" + k + "]");

String val = getElement(loc\_td).getAttribute("class");

if (!val.contains("disabled") || !val.contains("prev-month")) {

By loc\_value = By.xpath("(//div[@class='rd-month'])[" + i + "]/table/tbody//tr[" + j

+ "]/td[" + k + "]/div[1]");

// System.out.println(getElement(loc\_value).getText());

if (date.equals(getElement(loc\_value).getText())) {

doClick(loc\_value);

break;

}

} else {

}

}

}

} else {

// System.out.println("Month not matched");

}

} else {

// System.out.println("not Displayed");

}

}

} catch (Exception error) {

error.printStackTrace();

}

}

public void clickingOnNonStop\_Checkbox(String PassType, String passenger\_count ) {

try {

By locator = By.xpath("(//div[contains(text(),'"+PassType+"')]/../following-sibling::div/span)["+passenger\_count+"]");

doClick(locator);

}catch(Exception error) {

error.printStackTrace();

}

}

public void fareDetails() {

try {

List<WebElement> fare\_Count = driver

.findElements(By.xpath("//div[@class='result-wrpr']//div[@class='price-group']//span[2]"));

String fare = null;

String getValue\_airlinesNumber = null;

String getValue\_depatureTime = null;

for (int i = 1; i <= fare\_Count.size(); i++) {

By getFare = By.xpath("(//div[@class='result-wrpr']//div[@class='price-group']//span[2])[" + i + "]");

fare = getElement(getFare).getText();

if (Integer.parseInt(fare) < 5000) {

By airlinesNumber = By

.xpath("(//div[@class='result-wrpr']//div[@class='time-group']/div[4]/div)[" + i + "]");

getValue\_airlinesNumber = getElement(airlinesNumber).getText();

By depatureTime = By

.xpath("(//div[@class='result-wrpr']//div[@class='time-group']/div[1])[" + i + "]");

getValue\_depatureTime = getElement(depatureTime).getText();

System.out.println("Airlines Details ::- " + getValue\_airlinesNumber + "; Depature Time ::- "

+ getValue\_depatureTime + "; Flight Fare :: " + fare);

}

}

} catch (Exception error) {

error.printStackTrace();

}

}

public String getFromCity() {

try {

String value = getElement(fromCity\_InputBox).getAttribute("value");

return value;

}catch(Exception error) {

return null;

}

}

public String getToCity() {

try {

String value = getElement(toCity\_InputBox).getAttribute("value");

return value;

}catch(Exception error) {

return null;

}

}

public String getDepDate() {

try {

String value = getElement(departureDate\_DatePicker).getAttribute("value");

return value;

}catch(Exception error) {

return null;

}

}

public void clickOnNon\_Stop\_Checkbox() {

try {

waitForElementToBeClickable(nonStop\_CheckBox);

doClick(nonStop\_CheckBox);

waitForElementPrasent(filter);

waitForElementVisible(filter);

}catch(Exception error) {

}

}

public void keyEnterOperation() {

Actions action = new Actions(driver);

action.sendKeys(Keys.ENTER).build().perform();

}

}