**package** pages;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.support.PageFactory;

**public** **class** PageObjectsBases {

**protected** WebDriver driver;

// create constructor

**public** PageObjectsBases(WebDriver driver) {

PageFactory.*initElements*(driver, **this**);

}

}

**package** pages;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.support.FindBy;

**public** **class** WelcomeToInternetPage **extends** PageObjectsBases{

**public** WelcomeToInternetPage(WebDriver driver) {

**super**(driver);

}

@FindBy(linkText="File Upload")

WebElement fileUploadingLink;

@FindBy(linkText="Dynamic Loading")

WebElement DynamicLoadingLink;

**public** **void** OpenUploadingPage() {

fileUploadingLink.click();

}

**public** **void** openDynamicLoadingPage () {

DynamicLoadingLink.click();

}

}

**package** pages;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.support.FindBy;

**public** **class** GooglePage **extends** PageObjectsBases{

**public** GooglePage(WebDriver driver) {

**super**(driver);

}

@FindBy(name = "q")

WebElement SeachBar;

@FindBy(xpath = ("//div[@id=\"rso\"]/div[4]/div"))

**public** WebElement ThirdResult;

**public** **void** SendText(String Text) {

SeachBar.sendKeys(Text);

SeachBar.submit();

}

}

**package** Tests;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.testng.annotations.AfterSuite;

**import** org.testng.annotations.BeforeSuite;

**public** **class** TestBases {

**public** **static** WebDriver *driver*;

@BeforeSuite

**public** **void** Setup() {

String Path = System.*getProperty*("user.dir")+"\\Drivers\\chromedriver.exe";

System.*setProperty*("webdriver.chrome.driver", Path);

*driver* = **new** ChromeDriver();

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

}

@AfterSuite

**public** **void** Tearup() {

*driver*.quit();

}

}

**package** Tests;

**import** org.openqa.selenium.NoSuchElementException;

**import** org.testng.Assert;

**import** org.testng.annotations.Test;

**import** pages.GooglePage;

**public** **class** GoogleTests **extends** TestBases{

GooglePage GoogleHome;

@Test

**public** **void** SearchForSelenium() {

**try** {

*driver*.navigate().to("https://www.google.com/ncr");

GoogleHome = **new** GooglePage(*driver*);

GoogleHome.SendText("selenium webdriver");

System.***out***.println(GoogleHome.ThirdResult.getText());

Assert.*assertTrue*(GoogleHome.ThirdResult.getText().contains("what is Selenium WebDriver?"));

} **catch** (NoSuchElementException e) {

System.***out***.println("The Element not found please try again");

}

}

}

**package** pages;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.support.FindBy;

**public** **class** FileUploadPageObj **extends** PageObjectsBases {

**public** FileUploadPageObj(WebDriver driver) {

**super**(driver);

}

@FindBy(id = "file-upload")

WebElement UploadBtn;

@FindBy(id = "file-submit")

**public** WebElement SubmitBtn;

@FindBy(id = "uploaded-files")

**public** WebElement UploadedImageName;

**public** **void** UploadImage(String ImagePath) {

UploadBtn.sendKeys(ImagePath);

SubmitBtn.click();

}

}

**package** Tests;

**import** org.testng.Assert;

**import** org.testng.annotations.Test;

**import** pages.FileUploadPageObj;

**import** pages.WelcomeToInternetPage;

**public** **class** FileUploadingTest **extends** TestBases{

WelcomeToInternetPage HomePage;

FileUploadPageObj UploadPage;

@Test

**public** **void** UploadImg() {

*driver*.navigate().to("https://the-internet.herokuapp.com/");

HomePage = **new** WelcomeToInternetPage(*driver*);

UploadPage = **new** FileUploadPageObj(*driver*);

HomePage.OpenUploadingPage();

String ImageName = "TBS.PNG";

String ImagePth = System.*getProperty*("user.dir")+"\\Uploads\\TBS.PNG";

UploadPage.UploadImage(ImagePth);

Assert.*assertEquals*(ImageName, UploadPage.UploadedImageName.getText());

}

}

**package** pages;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.support.FindBy;

**public** **class** DynamicLoadingPage **extends** PageObjectsBases {

**public** DynamicLoadingPage(WebDriver driver) {

**super**(driver);

}

@FindBy(linkText = "Example 2: Element rendered after the fact")

WebElement Example2;

@FindBy(tagName = "button")

WebElement StartBtn;

@FindBy (id = "loading")

**public** WebElement Loading;

@FindBy(css = "div#finish")

**public** WebElement TextDisplayed;

**public** **void** GoToSecoundExample() {

Example2.click();

}

**public** **void** clkStart() {

StartBtn.click();

}

}

**package** Tests;

**import** org.testng.Assert;

**import** org.testng.annotations.Test;

**import** java.util.concurrent.TimeUnit;

//import java.util.function.Function;

//import org.openqa.selenium.WebDriver;

//import org.openqa.selenium.support.ui.ExpectedConditions;

//import org.openqa.selenium.support.ui.FluentWait;

//import org.openqa.selenium.support.ui.Wait;

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

**import** pages.DynamicLoadingPage;

**import** pages.WelcomeToInternetPage;

**public** **class** DynamicLoadingTests **extends** TestBases{

WelcomeToInternetPage HomePage;

DynamicLoadingPage LoadingPage;

@Test

**public** **void** GoToDynamicLoading () {

*driver*.navigate().to("https://the-internet.herokuapp.com/");

*driver*.manage().timeouts().~~implicitlyWait~~(120, TimeUnit.***SECONDS***);

HomePage = **new** WelcomeToInternetPage(*driver*);

LoadingPage = **new** DynamicLoadingPage(*driver*);

HomePage.openDynamicLoadingPage();

LoadingPage.GoToSecoundExample();

LoadingPage.clkStart();

*driver*.manage().timeouts().~~implicitlyWait~~(200, TimeUnit.***SECONDS***);

// WebDriverWait wait = new WebDriverWait(driver, 50);

// wait.until(ExpectedConditions.invisibilityOf(LoadingPage.Loading));

Assert.*assertTrue*(LoadingPage.TextDisplayed.getText().contains("Hello World!"));

}

}

**package** Tests;

**import** org.testng.Assert;

**import** org.testng.annotations.Test;

**import** com.mashape.unirest.http.JsonNode;

**import** com.mashape.unirest.http.Unirest;

**import** com.mashape.unirest.http.exceptions.UnirestException;

**public** **class** ApiTest **extends** TestBases{

@Test

**public** **void** ReturnApi() **throws** UnirestException {

*driver*.navigate().to("https://alexwohlbruck.github.io/cat-facts/");

JsonNode JsonResponse =

Unirest.*get*("https://cat-fact.herokuapp.com/facts").asJson().getBody();

Assert.*assertNotNull*(JsonResponse);

}

}