

Capstone Project - CODE

PAGES

Home

```
package pages;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.support.FindBy;

import org.openqa.selenium.support.PageFactory;

public class HomePage {

    // All WebElements are identified by @FindBy annotation
    WebDriver driver;

    @FindBy(tagName = "title")
    private WebElement homeTitle;
    @FindBy(id = "login")
    private WebElement loginButton;
    @FindBy(id = "about")
    private WebElement aboutButton;
    @FindBy(id = "contact")
    private WebElement contactButton;
    @FindBy(id = "listProducts")
    private WebElement productsButton;
    @FindBy(id = "signup")
    private WebElement signUpButton;

    @FindBy(id="a_Antibiotics")
    WebElement antibiotics;

    // Constructor
    public HomePage(WebDriver driver) {
```

```

        this.driver = driver;
        // This initElements method will create all WebElements
        PageFactory.initElements(driver, this);
    }

    // Get the title of Home Page
    public String getHomePageTitle() {
        return driver.getTitle();
    }

    public void clickLogin () {
        loginButton.click();
    }

    public void clickAbout () {
        aboutButton.click();
    }

    public void clickAntibiotics () {
        antibiotics.click();
    }

}

```

About

```

package pages;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.PageFactory;
import org.testng.annotations.Test;

public class AboutPage {
    WebDriver driver;

    @FindBy(id = "login")

```

```

private WebElement loginButton;
@FindBy(id = "about")
private WebElement aboutButton;
@FindBy(id = "contact")
private WebElement contactButton;
@FindBy(id = "listProducts")
private WebElement productsButton;
@FindBy(id = "signup")
private WebElement signUpButton;

// Constructor
public AboutPage(WebDriver driver) {
    this.driver = driver;
    // This initElements method will create all WebElements
    PageFactory.initElements(driver, this);
}

// Get the title of Home Page
public String getAboutPageTitle() {
    return driver.getTitle();
}

public void clickLogin() {
    loginButton.click();
}

public void clickAbout () {
    aboutButton.click();
}

public void clickContact () {
    contactButton.click();
}
}

```

Contact

```

package pages;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.PageFactory;

public class ContactPage {
    WebDriver driver;

    @FindBy(id = "login")
    private WebElement loginButton;
    @FindBy(id = "about")
    private WebElement aboutButton;
    @FindBy(id = "contact")
    private WebElement contactButton;
    @FindBy(id = "listProducts")
    private WebElement productsButton;
    @FindBy(id = "signup")
    private WebElement signUpButton;

    // Constructor
    public ContactPage(WebDriver driver) {
        this.driver = driver;
        // This initElements method will create all WebElements
        PageFactory.initElements(driver, this);
    }

    // Get the title of Home Page
    public String getContactPageTitle() {
        return driver.getTitle();
    }

    public void clickAbout () {
        aboutButton.click();
    }

    public void clickContact () {

```

```

        contactButton.click();
    }

    public void clickProducts () {
        productsButton.click();
    }

    public void clickLogin() {
        loginButton.click();
    }
}

```

Products

```

package pages;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.PageFactory;

public class ProductsPage {

    // All WebElements are identified by @FindBy annotation
    WebDriver driver;

    @FindBy(tagName = "title")
    private WebElement homeTitle;
    @FindBy(id = "login")
    private WebElement loginButton;
    @FindBy(id = "about")
    private WebElement aboutButton;
    @FindBy(id = "contact")
    private WebElement contactButton;
    @FindBy(id = "listProducts")
    private WebElement productsButton;
    @FindBy(id = "signup")
    private WebElement signUpButton;
}

```

```

@FindBy(xpath = "//tbody/tr[1]/td[6]/a[2]")
private WebElement addCart;

@FindBy(xpath =
"//body/div[2]/div[1]/div[1]/table[1]/tfoot[1]/tr[2]/td[4]/a[1]")
private WebElement checkout;

@FindBy(xpath = "//a[contains(text(),'Select')]")
private WebElement addAddress;

@FindBy(linkText = "Pay")
private WebElement payment;

// Constructor
public ProductsPage(WebDriver driver) {
    this.driver = driver;
    // This initElements method will create all WebElements
    PageFactory.initElements(driver, this);
}

// Get the title of Products Page
public String getProductsPageTitle() {
    return driver.getTitle();
}

public void clickAbout () {
    aboutButton.click();
}

public void clickContact () {
    contactButton.click();
}

public void clickProducts () {
    productsButton.click();
}

```

```

    public void clickLogin() {
        loginButton.click();
    }

    public void addCart () {
        addCart.click();
    }

    public void selectCheckout () {
        checkout.click();
    }

    public void selectAddress () {
        addAddress.click();
    }

    public void makePayment () {
        payment.click();
    }
}

```

Login

```

package pages;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.PageFactory;

public class LoginPage {

    WebDriver driver;

    @FindBy(id = "login")
    private WebElement loginButton;

    @FindBy(id = "username")

```

```

private WebElement usernameInput;

@FindBy(id = "password")
private WebElement passwordInput;

@FindBy(xpath = "//input[@type='submit']")
private WebElement loginClick;

// Constructor
public LoginPage(WebDriver driver) {
    this.driver = driver;
    // This initElements method will create all WebElements
    PageFactory.initElements(driver, this);
}

// Get the title of Home Page
public String getLoginPageTitle() {
    return driver.getTitle();
}

public void loginToMedicare(String strUserName, String
strPasword) {

    this.usernameInput.sendKeys(strUserName);
    this.passwordInput.sendKeys(strPasword);
    this.loginClick.click();

}

}

```

TEST

Base Connection

```

package tests;

import java.io.IOException;

```



```

import java.util.concurrent.TimeUnit;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterSuite;
import org.testng.annotations.BeforeSuite;

public class TestBase {
    public static WebDriver driver = null;
    String driverPath =
"E:\\Simplilearn\\FinalProjectCapstone\\webdriver\\chromedriver.exe";

    @BeforeSuite
    public void initialize() throws IOException {
        System.setProperty("webdriver.chrome.driver", driverPath);
        driver = new ChromeDriver();
        driver.manage().timeouts().implicitlyWait(10,
TimeUnit.SECONDS);
        driver.get("http://localhost:8080/medicare/");
        System.out.println("----- Before Suite");
    }

    @AfterSuite
    public void TeardownTest() {

        System.out.println("----- After Suite");
        TestBase.driver.quit();
    }
}

```

Home

```

package tests;

import org.testng.Assert;
import org.testng.annotations.Test;

import pages.AboutPage;
import pages.HomePage;

```

```

public class HomePageTests extends TestBase {

    //WebDriver driver;
    HomePage objHomePage;
    AboutPage objAboutPage;

    @Test(priority=0)
    public void testHomePageTitle () throws InterruptedException{
        //Create Home Page object
        objHomePage = new HomePage(driver);
        //Verify home page
        Assert.assertTrue(objHomePage.getHomePageTitle().contains("Medicare
- Home"));
        String pageTitle = objHomePage.getHomePageTitle();
        System.out.println(pageTitle);
        Thread.sleep(2000);

        objHomePage.clickAbout();
        objAboutPage = new AboutPage(driver);

    }

}

```

About

```

package tests;

import org.testng.Assert;
import org.testng.annotations.Test;

import pages.AboutPage;
import pages.ContactPage;

```

```

public class AboutPageTests extends TestBase {

    //WebDriver driver;
    ContactPage objContactPage;
    AboutPage objAboutPage;

    @Test(priority=0)
    public void testAboutPageTitle () throws InterruptedException{
        //Create Home Page object
        objAboutPage = new AboutPage(driver);
        //Verify home page

Assert.assertTrue(objAboutPage.getAboutPageTitle().contains("Medicare
- About Us"));
        Thread.sleep(1000);

        String pageTitle = objAboutPage.getAboutPageTitle();
        System.out.println(pageTitle);
        Thread.sleep(2000);

        objAboutPage.clickContact();
        objContactPage = new ContactPage(driver);

    }

}

```

Contact

```

package tests;

import org.testng.Assert;
import org.testng.annotations.Test;

import pages.ContactPage;
import pages.ProductsPage;

```

```

public class ContactPageTests extends TestBase {

    //WebDriver driver;
    ContactPage objContactPage;
    ProductsPage objProductsPage;

    @Test(priority=0)
    public void testAboutPageTitle () throws InterruptedException{
        //Create Home Page object
        objContactPage = new ContactPage(driver);
        //Verify home page

        Assert.assertTrue(objContactPage.getContactPageTitle().contains("Medic
are - Contact"));
        Thread.sleep(1000);

        String pageTitle = objContactPage.getContactPageTitle();
        System.out.println(pageTitle);
        Thread.sleep(2000);

        objContactPage.clickProducts();
        objProductsPage = new ProductsPage(driver);

    }

}

```

Products

```

package tests;

import org.testng.Assert;
import org.testng.annotations.Test;

import pages.ContactPage;
import pages.LoginPage;
import pages.ProductsPage;

```

```

public class ProductsPageTests extends TestBase {

    ProductsPage objProductsPage;

    LoginPage objLoginPage;

    @Test(priority=0)
    public void testAboutPageTitle () throws InterruptedException{
        //Create Home Page object
        objProductsPage = new ProductsPage(driver);
        //Verify home page

        Assert.assertTrue(objProductsPage.getProductsPageTitle().contains("Med
icare - All Products"));
        Thread.sleep(1000);

        String pageTitle = objProductsPage.getProductsPageTitle();
        System.out.println(pageTitle);
        Thread.sleep(2000);

        objProductsPage.clickLogin();
        objLoginPage = new LoginPage(driver);

    }

}

```

Login

```

package tests;

import org.testng.Assert;
import org.testng.annotations.Test;

import pages.HomePage;
import pages.LoginPage;
import pages.ProductsPage;

```

```

public class LoginPageTests extends TestBase {

    LoginPage objLoginPage;
    HomePage objHomePage;
    ProductsPage objProductsPage;

    @Test(priority=0)
    public void testLoginPageTitle () throws InterruptedException{
        //Create Home Page object
        objLoginPage = new LoginPage(driver);
        //Verify home page

Assert.assertTrue(objLoginPage.getLoginPageTitle().contains("Medicare
- Login"));
        Thread.sleep(1000);

        String pageTitle = objLoginPage.getLoginPageTitle();
        System.out.println(pageTitle);
        Thread.sleep(2000);

    }

    @Test(priority=1)
    public void loginToMedicare () throws InterruptedException {

        objLoginPage.loginToMedicare("kn@gmail.com", "12345");
        Thread.sleep(2000);
        System.out.println("Succesfully logged");

    }

    @Test(priority=2)
    public void orderMedicare () throws InterruptedException {

        objHomePage = new HomePage (driver);

```

```

        objHomePage.clickAntibiotics();
        Thread.sleep(2000);

        objProductsPage = new ProductsPage(driver);
        objProductsPage.addCart();
        Thread.sleep(2000);
        objProductsPage.selectCheckout();
        Thread.sleep(500);
        objProductsPage.selectAddress();
        Thread.sleep(500);
        objProductsPage.makePayment();
        Thread.sleep(500);
        System.out.println("Order succesfully placed!");
    }
}

```

```

}

```

POSTMAN / Newman test code

```

pm.test("Status code is 200", function () {
    pm.test("Response time is less than 200ms", function () {
        pm.expect(pm.response.responseTime).to.be.below(200);
    });
    pm.response.to.have.status(200);
});

```