```java
package com.opencart.testBase;

import java.time.Duration;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.edge.EdgeDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.testng.annotations.AfterMethod;
import org.testng.annotations.BeforeMethod;

public class TestBase {

	public static WebDriver driver;

	@BeforeMethod
	public void setUp()
	{
		String browser_name = "CHrome";

		if(browser_name.equalsIgnoreCase("chrome"))
		{
			driver = new ChromeDriver();
		}
		else if(browser_name.equalsIgnoreCase("firefox"))
		{
			driver = new FirefoxDriver();
		}
		else if(browser_name.equalsIgnoreCase("edge"))
		{
			driver = new EdgeDriver();
		}
		else
		{
			System.out.println("Please enter correct
browsername");
		}

	driver.get("https://naveenautomationlabs.com/opencart/index.p
hp");
		driver.manage().window().maximize();

	driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(
20));
		driver.manage().deleteAllCookies();
	}

	@AfterMethod
	public void tearDown()
```

```
	{
		driver.quit();
	}
}
```

```
package com.opencart.pageLayer;

import org.openqa.selenium.Keys;
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 {

	public Homepage(WebDriver driver)
	{
		PageFactory.initElements(driver, this);
	}

	//--------------Obj repo ----------------------
	@FindBy(xpath="//span[text()='My Account']")
	private WebElement myaccount_link;

	@FindBy(xpath="//a[text()='Login']")
	private WebElement login_link;

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


	//------------ Action methods ----------------
	public void clickOnMyAccountLink()
	{
		myaccount_link.click();
	}

	public void clickOnLoginLink()
	{
		login_link.click();
	}

	public void clickOnRegisterLink()
	{
		register_link.click();
	}

}
```

```java
package com.opencart.pageLayer;

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 {

	public Loginpage(WebDriver driver)
	{
		PageFactory.initElements(driver, this);
	}

	//--------------Obj repo ---------------------
	@FindBy(xpath="//input[@id='input-email']")
	private WebElement email_address_txtbox;

	@FindBy(xpath="//input[@id='input-password']")
	private WebElement password_txtbox;

	@FindBy(xpath="//input[@value='Login']")
	private WebElement login_btn;


	//------------ Action methods ----------------

	public void enterEmailAddress(String email)
	{
		email_address_txtbox.sendKeys(email);
	}

	public void enterPassword(String password)
	{
		password_txtbox.sendKeys(password);
	}

	public void clickOnLoginButton()
	{
		login_btn.click();
	}
}
```

```java
package com.opencart.testLayer;

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

import com.opencart.pageLayer.Homepage;
```

```java
import com.opencart.pageLayer.Loginpage;
import com.opencart.testBase.TestBase;


public class LoginTest extends TestBase {

	@Test

	public void verifyLoginTestWithValidDetails()
	{
		String expected_result = "My Account";

		Homepage homepage_obj = new Homepage(driver);
		Loginpage loginpage_obj = new Loginpage(driver);

		homepage_obj.clickOnMyAccountLink();
		homepage_obj.clickOnLoginLink();


	loginpage_obj.enterEmailAddress("davidtest1@gmail.com");
		loginpage_obj.enterPassword("Test@1234");
		loginpage_obj.clickOnLoginButton();

		String actual_result = driver.getTitle();
		System.out.println("Actual Result is :- " +
actual_result);

		Assert.assertEquals(actual_result, expected_result);
	}
}
```