POM Design Patten

Help us to effectively work on change requests – regression testing .. Neat code practice…

Own standard documentation..

Components of a POJO (Plain Old Java Objects) Class :

* WebDriver instance ;
* Driver Initialization-Constructor
* Locators
* Automation scripts / methods for each and every steps

Multiple Libraries -> .java classes

Sample POM :

**package** pomPages;

**import** org.openqa.selenium.By;

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

**public** **class** HomePage {

//Step-1

//Declare the WebDriver instance

//Step-2

//Create the page constructor to initialize webdriver

//Step-3

//locators

//Step-4

//Test methods

WebDriver wd;

//Locator

By text1=By.*xpath*("//\*[@id='top']/div/h3");

By btn1 = By.*xpath*("//\*[@id='btn-make-appointment']");

//String exp\_home = "We Care About Your Health";

//page class constructor

**public** HomePage(WebDriver wd) {

**this**.wd=wd;

}

// Automation step

**public** **void** LaunchApp() {

wd.get("https://katalon-demo-cura.herokuapp.com/");

}

//validation

**public** String validate\_home() {

String str=wd.findElement(text1).getText();

**return** str;

}

**public** **void** ClickMA() {

wd.findElement(btn1).click();

}

}

POM :

How to write the DriverFactory Class ?

**package** utils;

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

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

**public** **class** DriverFactory {

**static** WebDriver *driver*;

**public** **static** WebDriver getDriver() {

**if** (*driver* == **null**) {

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

}

**return** *driver*;

}

}

Use this in stepsDefinition script as below .

// Steps

WebDriver driver = DriverFactory.*getDriver*();

// page class:

//constructor

**public** LoginPage(WebDriver driver) {

**this**.driver = driver;

}

Framework Template :

