

Page Object Model



What is POM?

- POM is a design pattern, according to which there should be a class for web page. The class should have 3 regions.
- **Region 1** :- This will contain all the web element present in web page
- **Region 2**:- This will have actions that can be performed at the web page
- **Region 3**:- This will have all the navigation.

What is POM?

```
#region Webelement

private By login = By.Id("login");
private By passwaord = By.Id("pass");
private By loginBtn = By.Name("lgnbtn");
private By fileaBug = By.LinkText("File a Bug");

#endregion

#region Action

0 references
public void clickLogin(string usernam, string password)
{
    driver.FindElement(login).SendKeys(usernam);
    driver.FindElement(passwaord).SendKeys(password);
    driver.FindElement(loginBtn).Click();
}

#endregion

#region Naviagtion

0 references
public void NavigateToLink()
{
    driver.FindElement(fileaBug).Click();
}

#endregion
```

Page Factory

- Page Factory is an inbuilt page object model concept for Selenium WebDriver
- This class provide a method called "*initElements*" which will initialize the web element
- We need to use "*[FindBy]*" attribute with the web element

PageBase Class

1. Constructor for initializing the page
2. Common Action/Navigation methods

HomePage Class

1. Page Specific Webelements
2. Page Specific Action Methods
3. Page Specific Navigation Methods

LoginPage Class

1. Page Specific Webelements
2. Page Specific Action Methods
3. Page Specific Navigation Methods

BugDetails Class

1. Page Specific Webelements
2. Page Specific Action Methods
3. Page Specific Navigation Methods