

Test1: Log-in Page

I have tried to complete this project using page object model(pom). For this i have created a maven project named it as gitlab. In maven pom.xml file i have added required dependencies.

For this assignment I have added selenium and testng maven dependencies. In page object model every webpage is treated as a class so in src/main/java i have created a utility package named as **"com.git.utilities"** and in this package I have created a file to save data in the properties file as config.properties. In this file i have stored the static data which i can use throughout the project. Then i have created a package called **"com.qa.gitlab.baseclass"** in this package i have created a base class to launch chrome browser. then i created another package named **"com.qa.gitpages"** in this package i have created different classes for different webpages. in **"src/test/java"** i have created a package named com.qa.gittestcases in this i have created testcases for every java class

To complete this in src/main/java i have created two java classes one in package **"com.qa.gitlab.baseclass"** i have created a java class to launch the chrome browser. In gitlabbaseclass i have declared webdriver public static so that i can use it anywhere in the project then i have also declared properties variable as public static so that i can use anywhere in the project.

Then i have created a constructor **"gitlabbaseclass()"**. in that constructor using file inputstream i have given a path where my **"config.properties"** files stored as it is throwing an exception i have used try & catch block to handle the exceptions. then again i have created a method called **"Initialization ()"** in this method i have tried to launch the browser.

And another one in **"com.qa.gitpages"** i have created a **"loginpage"** java class. in this page i am trying to inherit the properties from gitlabbaseclass where i wrote the code to launch the browser. By using **"pagefactory method"** i have declared the web element which are used for locating the elements such as username, password, email, rememberme, signin.

Then i have created a **"loginpage()"** constructor to initialize the pagefactory elements using method called **"PageFactory.initElements(driver, this);"** then i have created a method using parameteres **"login(String un,String psswd)"**. In this method i have tried to automate the actions that is required to enter the username/email or password using sendkeys and the by clicking the checkbox,rememberme and signinbutton using click() method. then this login page will take me to home page that's why i declared it as return homepage

In src/test/java i have created another java class **"logintest"** and again inherit this class from gitlabbaseclass. In this class i create constructor **"Logintest()"**. In Logintest() constructor i am declaring a super keyword to call parent class constructor. After that i declared a **@beforeMethod** Annotation and declared a method named setup().

In setup() method i called a Initialization() method which is declared in baseclass. then Creating a variable using **"loginpage = new Loginpage();"**

In **@Test** annotation i declared **"logintest()"** method. In this method i am trying to access login method using username and password. login page is returning to home page

that why we are storing it as homepage.

```
Homepage = loginpage.login(prop.getProperty("username"),prop.getProperty("password"));
```

By using **prop.getProperty()** method we are giving the username which we earlier stored in config.properties file

In **@Test** annotation i declared **"loginwithemail()"** method in this method i am trying to access login method using username and password.login page is returning to home page that why we are storing it as homepage.

```
Homepage = loginpage.login(prop.getProperty("email"),prop.getProperty("password"));
```

In **@Aftermethod** i declared **Teardown()** in this i am using **driver.quit();** quit() is used to close all webdriver instances that are open.