



```
package utils;
```

```
import io.github.bonigarcia.wdm.WebDriverManager;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.support.PageFactory;
import pageObjects.Login_page;
```

```
import java.io.FileInputStream;
import java.util.Properties;
import java.util.concurrent.TimeUnit;
```

```
public class DriverFactory {
    public static WebDriver driver;
    public static Login_page loginPage;
```

```
    public WebDriver getDriver() {
        try {
            // Read Config
            Properties p = new Properties();
            FileInputStream fi = new FileInputStream(System.getProperty("user.dir") +
                "/src/main/java/properties/config.properties");
            p.load(fi);
            String browserName = p.getProperty("browser");
```

```
        switch (browserName) {
```

```
            case "firefox":
```

```
                // code
```

```
                if (null == driver) {
```

```
                    // System.setProperty("webdriver.gecko.driver", Constant.GECKO_DRIVER_DIRECTORY);
```

```
                    // DesiredCapabilities capabilities = DesiredCapabilities.firefox();
```

```
                    // capabilities.setCapability("marionette", true);
```

```
                    // driver = new FirefoxDriver();
```

```
                }
```

```
break;
```

```
case "chrome":
```

```
// code
```

```
if (null == driver) {
```

```
WebDriverManager.chromedriver().setup();
```

```
ChromeOptions options = new ChromeOptions();
```

```
options.setHeadless(true);
```

```
driver = new ChromeDriver(options);
```

```
driver.manage().window().maximize();
```

```
}
```

```
break;
```

```
case "ie":
```

```
// code
```

```
if (null == driver) {
```

```
// DesiredCapabilities capabilities = DesiredCapabilities.internetExplorer();
```

```
// System.setProperty("webdriver.ie.driver", Constant.IE_DRIVER_DIRECTORY);
```

```
// capabilities.setCapability("ignoreZoomSetting", true);
```

```
// driver = new InternetExplorerDriver(capabilities);
```

```
// driver.manage().window().maximize();
```

```
}
```

```
break;
```

```
}
```

```
} catch (Exception e) {
```

```
System.out.println("Unable to load browser: " + e.getMessage());
```

```
} finally {
```

```
assert driver != null;
```

```
driver.manage().timeouts().pageLoadTimeout(60, TimeUnit.SECONDS);
```

```
loginPage = PageFactory.initElements(driver, Login_page.class);
```

```
}
```

```
return driver;
```

```
}
```

```
}
```