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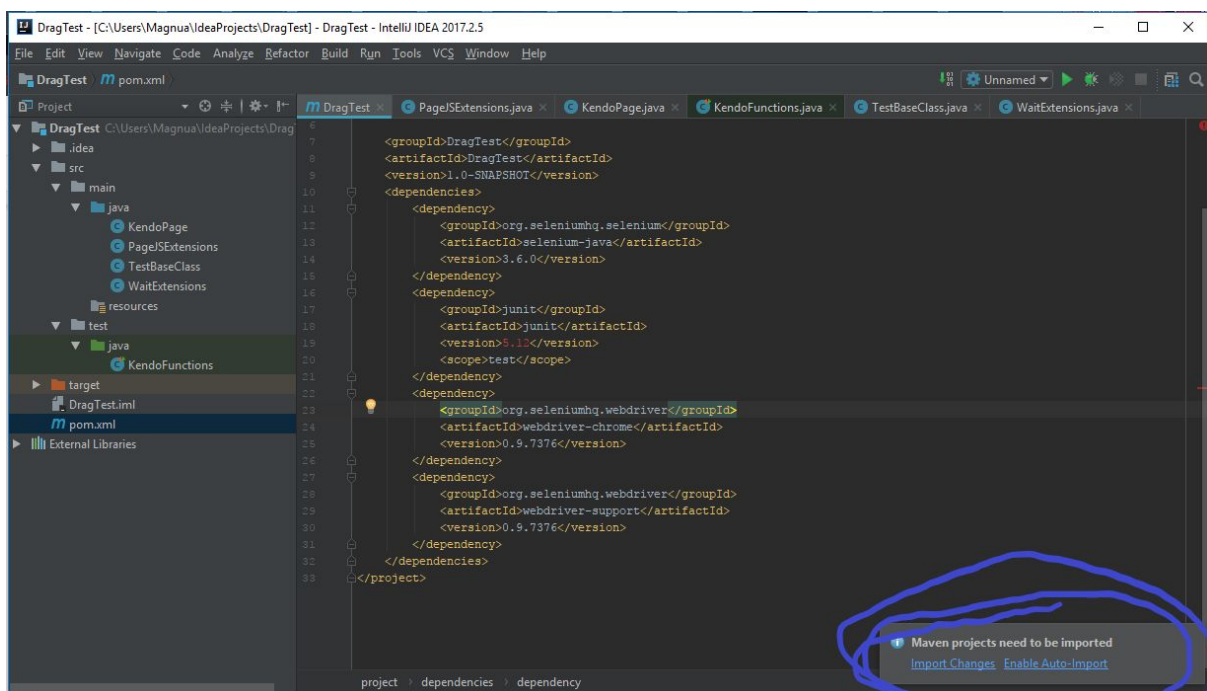
Introduction into project.

1. **Explanation on used technology-** I choosed website with Kendo chart - as as far as I know Kendo charts are hardest elements on site for which you can create automated tests. Kendo displays charts in SVG structure in which elements cannot be located with neither CSS Selectors nor with XPath. Thus as solution I used JQuery selectors - which are combination of CSS Selectors, XPath, JQuery and allow usage of such mechanisms like f.e. ancestry from XPath while working faster.
2. **Explanation on used waits** - Didn't added waiting for elements (beside page load) because on my computer it was working smoothly. Prepared function that could handle not fully loaded elements just in case (if there were some problems running these tests on teamCity, Jenkins etc.)

```
public static void waitElementReady(WebDriver driver, final String selector, int
timeout) {
    waiter = new WebDriverWait(driver, timeout);
    ExpectedCondition<Boolean> expectation = new
        ExpectedCondition<Boolean>() {
            public Boolean apply(WebDriver driver) {
                return getWebElement(driver, selector).isDisplayed();
            }
        };
    waiter.until(expectation);
}
```

Instructions on how to run tests.

1. Project created in **IntelliJ**.
2. Require downloading **chromedriver.exe** (in folder)
3. Require downloading **Java SDK 8.0**
4. Require **maven dependencies** - click **import** dependencies pop-up on first opening of project.



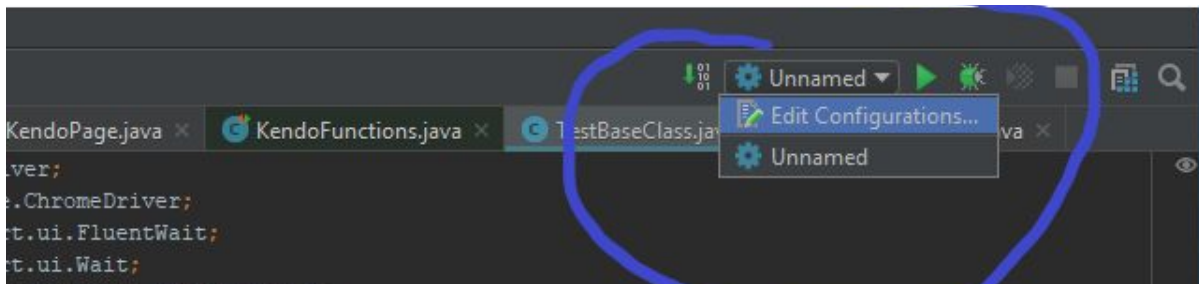
5. If you don't have chromedriver.exe set in your environment variables - you can just **uncomment and modify path in TestBaseClass -> Setup()** with correct path to chromedriver.exe. (example path in commented in file.)

```
public class TestBaseClass {
    public static WebDriver driver;
    public static Wait<WebDriver> wait;

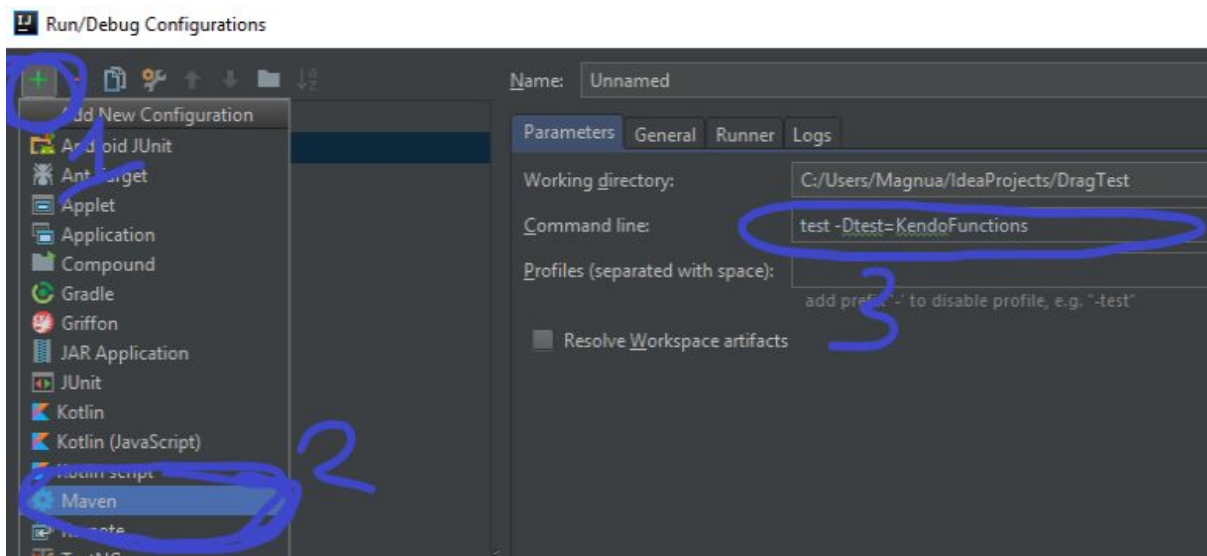
    public static void Setup(){
        //use if chromedriver.exe enviroment variable not set:
        //System.setProperty("webdriver.chrome.driver", "C:\\Users\\Magna\\Desktop\\chromedriver.exe");
        driver = new ChromeDriver();
        wait = new FluentWait<WebDriver>(driver)
            .withTimeout( duration: 3000, MILLISECONDS)
```

6. The last one is **Running maven test** which require 3 steps:

Click edit configuration



Add new maven runnable configuration with parameters:
“**test -Dtest=KendoFunctions**” in “Command line”.



Run this configuration with green arrow button.

