

# Select Values From A Drop Down

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## Intro

Hello and Welcome, in this video series, we are going to look at How To Handle Drop Downs. You may hear drop-down menu, drop-down list, or drop-down box. Either name is okay. First is selecting values from a drop-down, then getting values from a drop-down, and last is deselecting values from a drop-down. Drop-downs are common elements but they are not all created the same.

Most drop-downs contain a select tag name. However, there are cases when the drop-down list may not contain a select tag name. For example, when I inspect this second element. It contains a span tag name.

This series will focus on the select tagName although a drop-down can be other tag names. Let's start with selecting values from a drop-down.

## Select Values From A Drop Down

Our 1<sup>st</sup> application is OrangeHRM. We are going to select options from Job Title, Sub Unit, and Include. Inspect the drop-down for Job Title and we see the select tag with an id value of empsearch\_job\_title.

Go to Eclipse. Selenium has a class called Select that helps with selecting options from a drop-down. There are 2 ways to find a drop-down and select an element from the drop-down. The 1<sup>st</sup> way is to find the WebElement then add the Select class that takes the WebElement. The 2<sup>nd</sup> way is to start with the Select class then add the WebElement. I will use the 1<sup>st</sup> way on Job Title then use the 2<sup>nd</sup> way on Sub Unit and Include. `driver.findElement(By.id("empsearch_job_title"))`; then assign it to a WebElement and write the object of findJobTitle. Select is the class provided by Selenium, selectJobTitle is the object new Select (). new Select is a constructor that receives a WebElement. Hover over the error and it states "The constructor is undefined". It's undefined because we have not added findJobTitle as the WebElement. The purpose of a Select constructor is to make sure the element is located in a select tag. If it is not located in a select tag then an UnexpectedTagNameException is thrown.

## selectByIndex

Now, let's select an option from the Job Title drop down. Write selectJobTitle. and we see a lot of methods. However, there are 3 methods for selecting an option. Let's write select and the methods are selectByIndex, selectByValue, and selectByVisibleText. Start with selectByIndex which Select the option at the given index. All indexes begin with 0.

Go back to the AUT and inspect the options. Index 0 is All, index 1 is Account Clerk, and index 2 is CEO. Let's select index 1 which is Account Clerk. Go back to the Eclipse IDE. `selectJobTitle.selectByIndex(1);`  
**Select Account Clerk**

### selectByValue

The next drop-down is Sub Unit. Write `Select selectSubUnit = new Select ()`. Now, let's go to the AUT and get the `WebElement`. id is `empsearch_sub_unit`. Let's look at the options. We see values 0, 4, 5, 6, 7. Let's use 6 for IT. Go back to Eclipse and write.

`driver.findElement(By.id("empsearch_sub_unit"))`; The next method will be `selectByValue` so we write `selectSubUnit.selectByValue`. It "select all options that have a value matching the argument". Notice the parameter is a `String`. Therefore, we write 6 in double quotes. **// Select IT**

### selectByVisibleText

The last drop-down is Include. Inspect and the id is `empsearch_termination`. Look how the drop down shows the same information between the option tags. This is the visible text. We are going to use Past Employees Only. Go to Eclipse.

`Select selectInclude = new Select (driver.findElement(By.id("empsearch_termination"))`;  
`selectInclude.selectByVisibleText`. This description states "Select all options that display text matching the argument". Past Employees Only. We should see Account Clerk, IT, and Past Employees Only in the drop downs after running this program. All of the expected values are selected on the AUT. That's it for selecting a value from a drop-down list.

Next, is getting values from a drop-down.