

# Exception Handling

In this lesson, we'll learn about the set of exceptions provided by the Selenium.

## WE'LL COVER THE FOLLOWING ^

- WebDriver exception
- Handling exceptions

Selenium has its own set of exceptions while writing automation scripts. A programmer has to handle or throw those exceptions.

## WebDriver exception #

All runtime exception classes in Selenium WebDriver come under the superclass `WebDriverException`.

The most common exceptions under `WebDriverException` class are:

- `NoSuchElementException` - the element is not found during runtime using `FindBy` method
- `StaleElementReferenceException` - the referenced element is no longer present on the DOM page
- `NoSuchWindowException` - switching to an invalid window
- `InvalidSelectorException` - wrong or invalid selector used to find an element
- `ElementNotSelectableException` - the element present but disabled in the DOM
- `TimeoutException` - the element didn't display in the specified time
- `NoSuchFrameException` - switching to an invalid frame
- `NoAlertPresentException` - switching to an invalid alert
- `ElementNotVisibleException` - when an element is present in the DOM but cannot be interacted with, e.g., Hidden Elements

## Handling exceptions #

- Using try/catch block
  - Using WebDriver waits (Implicit, Explicit, and Fluent)
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That's all for handling exceptions. In the next lesson, you'll learn how to handle cookies.