SELENIUM

WAITS

IMPLICIT WAIT

An implicit wait is to tell WebDriver to poll the DOM for a certain amount of time when trying to find an element or elements if they are not immediately available. The default setting is 0. Once set, the implicit wait is set for the life of the WebDriver object instance.

driver.manage().timeouts().implicitlyWait(30,TimeUnit.SECONDS);

EXPLICIT WAIT

An explicit wait is code you define to wait for a certain condition to occur before proceeding further in the code. The worst case of this is Thread.sleep(), which sets the condition to an exact time period to wait. There are convenience methods available to help you write code that will only wait as long as required.

WebDriverWait in combination with ExpectedCondition is one way to do this.

WebDriverWait wait = new WebDriverWait(driver,10);
wait.until(ExpectedConditions.presenceOfElementLocated(
By.xpath("//div[text()='expected']"));