Implict and explicit waits are the part of syncronization.

What is syncronization: it mean in selenium is sync between the selenium script speed and web/or application speed. For example, while exeucting the script, page or some web elements may take some time or ajax elements are there but script script will not wait for page or web element to load as it will immediately execute the selenium script code.

Solution is to tell selenium to wait for some time.

Following are the selenium syn techniques:

1. Page load time out
2. Explicit wait
3. Implicit wait

Note: All above waits are dynamic waits. For example, if element or page appears in 2 second instead of 20 second defined in wait, then 18 seconds will be ignored.

1. Implcit wait : A global wait: This wait is applied always global means applicable for all webelements on opened page(as we don’t define any web elements in wait) and across the webdriver instance

It also means it will wait for elements which are encountered during the driver.findElement() method.

1. Explicit Wait: Explicit wait is not a global wait instead it applied on the specific webelement and it’s specific condition e.g presence of name webelement on the web page.