Invoke browsers on Windows OS

Firefox	WebDriver driver = new firefoxdriver();
	//Selenium 3.0, beta 2 version
	System.setProperty("webdriver.firefox.marionette",
	"./geckodriver.exe");
	//Selenium 3.0, beta 1 version
	System.setProperty("webdriver.gecko.driver", "./geckodriver.exe");

Chrome	System.setProperty("webdriver.chrome.driver","./chromedriver.exe"); WebDriver driver = new chromedriver();
IE	File file = new File("./IEDriverServer.exe"); System.setProperty("webdriver.ie.driver", file.getAbsolutePath()); WebDriver driver = new InternetExplorerDriver();

Select or DropDown element

Select select = new Select(driver.findElement(By locators));

Select multiple option from a list box
selectelement.sendkeys(keys.CONTROL)
selectelement.selectByVisibleText(1)
selectelement.selectByVisibleText(2)

List<WebElement> dropdown=month.getOptions();
for(int i=0;i<dropdown.size();i++){ String
drop_down_values=dropdown.get(i).getText();
System.out.println("dropdown values are "+drop_down_values); }

Wait commands

Hard wait
Thread.sleep([time in milisecond]);

Implicit Wait
driver.manage.timeouts().implicitlyWait(10,TimeUnit.SECONDS);

Explicit Wait
WebDriverWait wait = new WebDriverWait(driver,10);
wait.until(ExpectedConditons.elementToBeClickable(By locators);

Fluent wait
WebElement element = fluentWait(By locators);
public WebElement fluentWait(By locator) {
Wait<webdriver> wait = new FluentWait<webdriver>(driver)
.withTimeout(30, TimeUnit.SECONDS)
.pollingEvery(5, TimeUnit.SECONDS)
.ignoring(NoSuchElementException.class);
WebElement foo = wait.until(
new Function<webdriver webelement="">() {
public WebElement apply(WebDriver driver) {
return driver.findElement(locator);
}
}
);
return foo;
};

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