

SOFTWARE TESTING TOOLS FOR GUI

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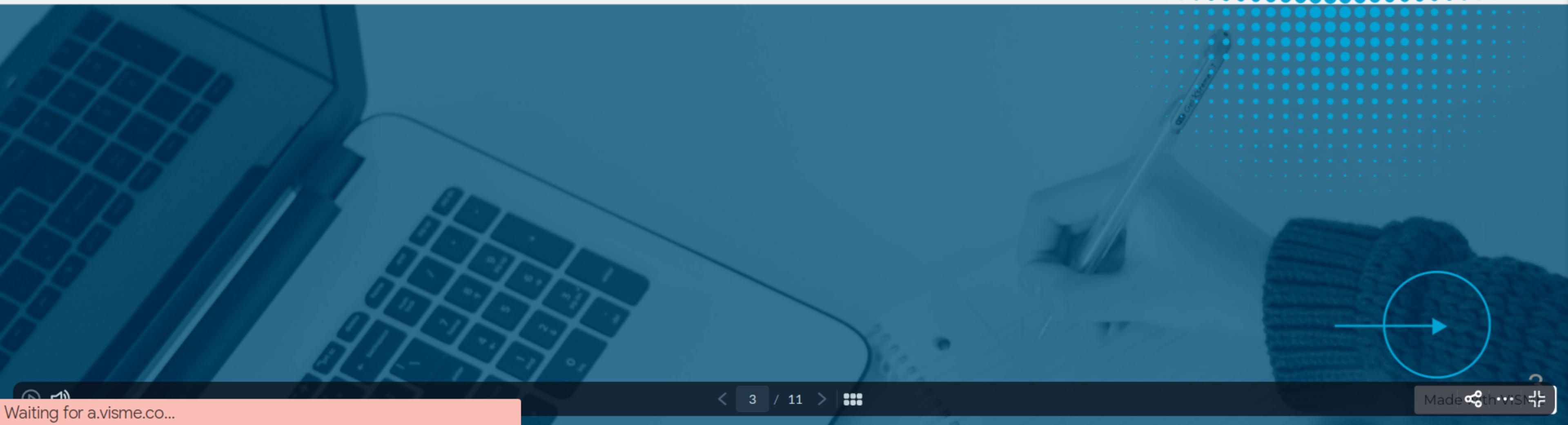




**what are software
testing tools and
why?**



SOFTWARE TESTING TOOLS ARE REQUIRED FOR THE BETTERMENT OF THE APPLICATION OR SOFTWARE.



SOFTWARE TOOLS

1

Selenium

2

Appium

3

TestComplete

4

Ranorex

5

UFT (Unified Functional
Testing)

Selenium

Selenium is a widely used open-source GUI testing framework that supports multiple programming languages such as Java, C#, and Python. It allows testers to write test scripts for web applications and automate various GUI testing tasks



SELENIUM CONSISTS OF :

- 1** Selenium WebDriver
- 2** Selenium IDE
- 3** Selenium Grid



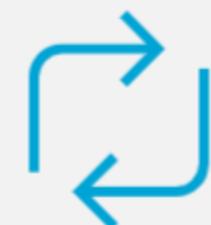
FEATURES OF SELENIUM



Parallel test execution



integration with testing
frameworks



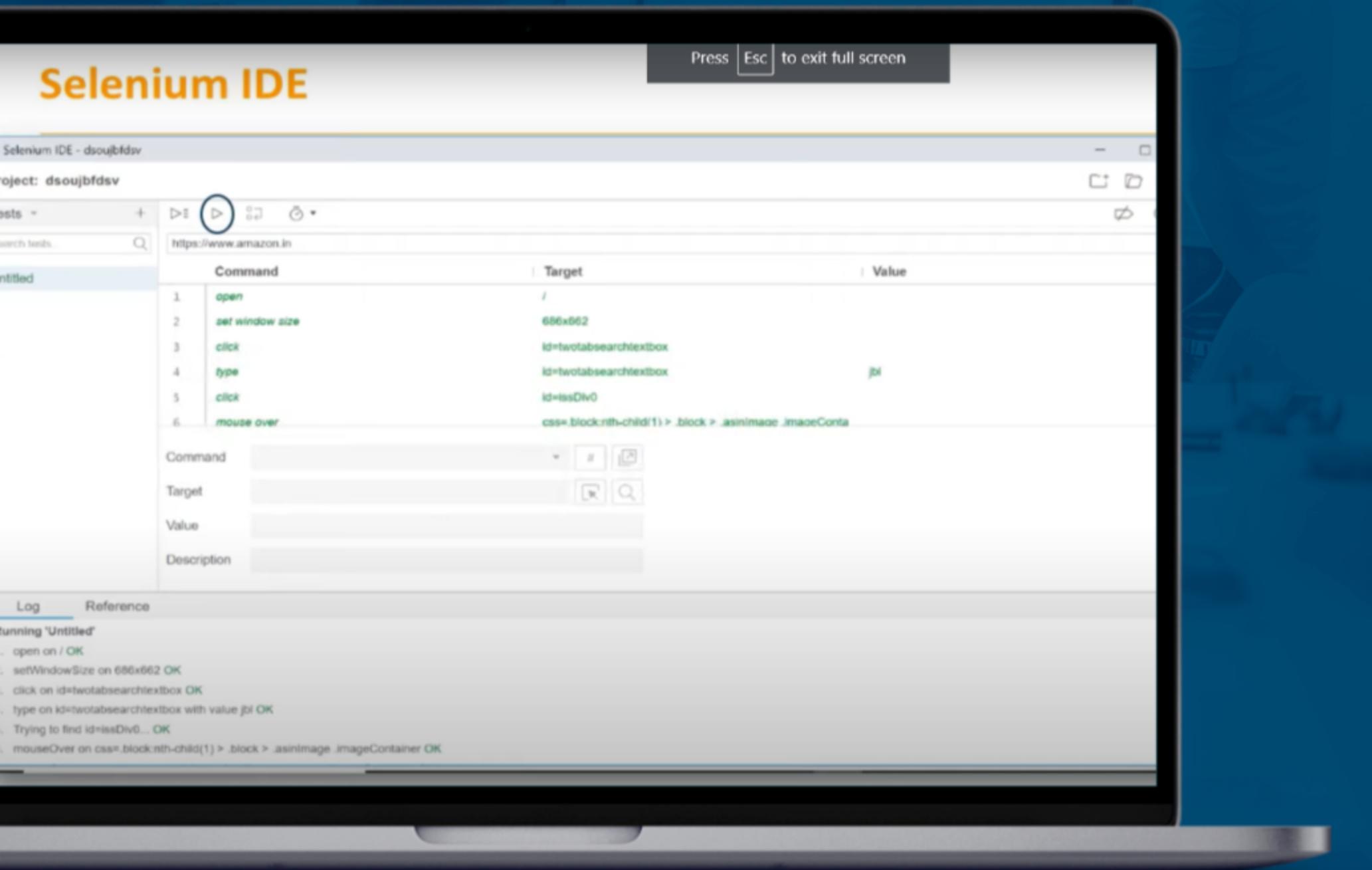
cloud-based testing
platform



open source and
portable



how it works



- 1** the new IDE deploys a selenium side runner
- 2** without writing any code
- 3** provides a robust interface for application testing



Package Explorer X |

Project1
Project2_Selenium
Selenium Project
src
co.edureka.selenium.demo
Demo.java
JRE System Library [JavaSE-10]
Referenced Libraries

*Demo.java

```
4 import org.openqa.selenium.WebDriver;
5 import org.openqa.selenium.chrome.ChromeDriver;
6
7 public class Demo {
8
9     public static void main(String[] args) {
10         System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\siddhant\\\\My folder\\\\zips_jars_exe");
11         WebDriver driver = new ChromeDriver();
12         driver.get("http://www.gmail.com/");
13         driver.manage().window().maximize();
14         driver.findElement(By.id("identifierId")).sendKeys("sid.aka.beacon@gmail.com");
15         Thread.sleep(2000);
16         driver.findElement(By.className("CwaK9")).click();
17         Thread.sleep(2000);
18         String at = driver.getTitle();
19         String et = "gmail";
20         driver.close();
21         if(at.equalsIgnoreCase(et))
22         {
23             System.out.println("Test Successful");
24         }
25         else
26         {
27             System.out.println("Test Failure");
28         }
29     }
}
```

Problems @ Javadoc Declaration Console Coverage

```
<terminated> Demo (7) [Java Application] C:\\Program Files\\Java\\jre-10\\bin\\javaw.exe (May 11, 2018, 5:08:30 PM)
Starting ChromeDriver 2.36.540470 (e522d04694c7ebea4ba8821272dbef4f9b818c91) on port 12179
Only local connections are allowed.
May 11, 2018 5:08:34 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Test Successful
```

Made with VISME

Chrome is being controlled by automated test software.



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NEXT

THANK YOU!

Any queries?

