rail·way·men
software development station

Will it pass or not?

A few words about automation

rail·way·men
software development station

Agenda

- Tools
- Selenium
- Selenium Grid
- TestNG
- Examples

Tools

Selenium

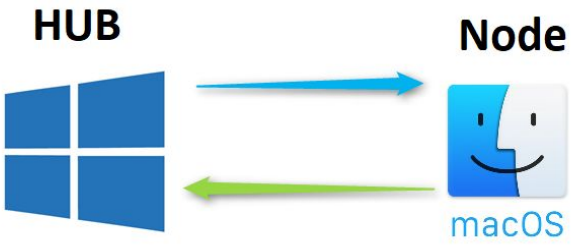
rail·way·men
software development station

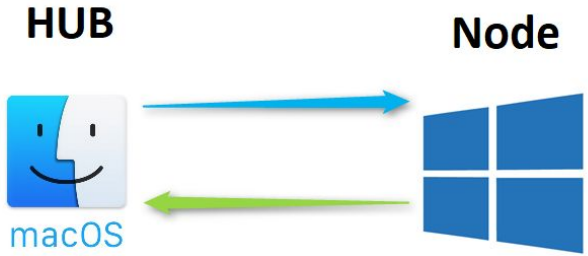
Selenium

Selenium Grid

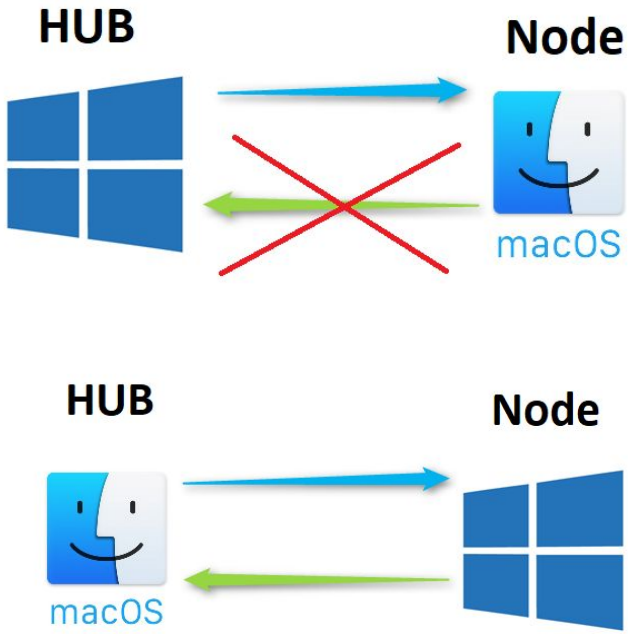
Source: https://www.guru99.com/introduction-to-selenium-grid.html

Selenium Grid





Selenium Grid



TestNG

- JUnit vs TestNG
- Annotations
- Parallel browser testing and how it works
- Simple example with testng.xml

rail·way·men
software development station

TestNG.xml

rail·way·men
software development station

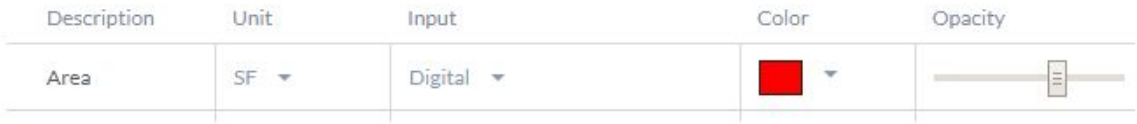
```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
<suite name="RailwaymenTestSuite" parallel="classes">

    <test name="ChromeTest">
        <parameter name="browser" value="Chrome" />
        <classes>
            <class name="main.ChromeTest"></class>
        </classes>
    </test>
    <test name="FirefoxTest">
        <parameter name="browser" value="Firefox"/>
        <classes>
            <class name="main.FirefoxTest"></class>
        </classes>
    </test>
</suite>
```

Example

rail·way·men
software development station

View:



Source:

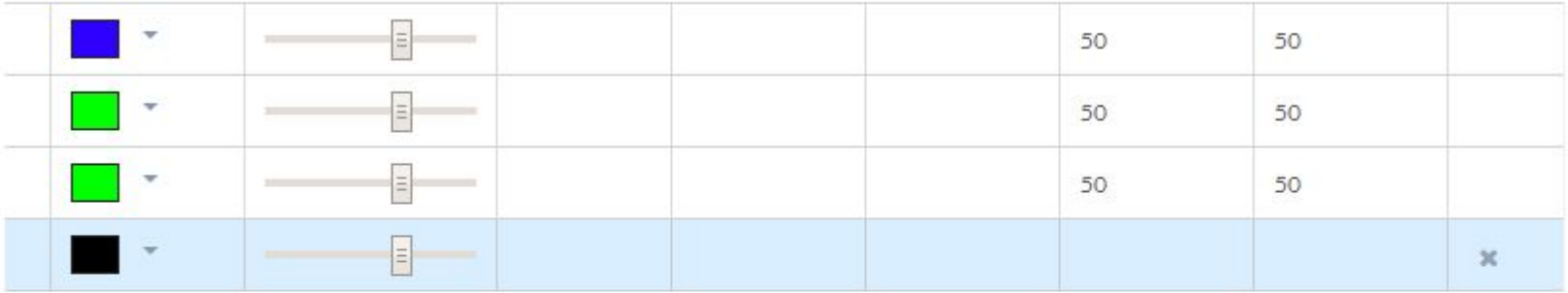
```
▼<tbody class="rows">
  ▼<tr>
    ▼<td class="editable-bg">
      ▼<span class="editable-container editable-inline">
          <input class="form-control input-sm" name="description" type="text" placeholder="Enter variable name" required> == $0
        </span>
      </td>
    ▶<td class="editable-bg">…</td>
```

Console:

```
> 01:00:00.000 document.getElementsByName("description")[0].value
< 01:00:00.000 "Area"
>
```

Example

View:



Console:

```
> 01:00:00.000 document.getElementsByClassName("actions")[1].style.display="block";
< 01:00:00.000 "block"
>
```

Example

View:

Source:

```
▼<ul class="with-button">
  ▼<li>
      <a href="/sign-up">Create account</a> == $0
    </li>
  ▶<li>…</li>
    <br>
  ▶<li class="button">…</li>
  </ul>
```