# **GUI TESTING Using Selenium IDE**

## shortNotes

- Browser used: Firefox | selenium IDE plugin for firefox link: <a href="https://addons.mozilla.org/en-US/firefox/addon/selenium-ide/">https://addons.mozilla.org/en-US/firefox/addon/selenium-ide/</a>

## Task 1:

A Google search to start at http://www.google.com, perform a search, go to the second page, and click on a result, and return to the search results.

### Selenium IDE:

### Code:

File name: "Task 1 – Google Search.side" | Project Title: Goolge Search Testing Project

```
{"id":"83136ba0-419e-4271-93a8-93ba9a1813eb","name":"Goolge Search Testing
Project","url":"https://www.google.com","tests":[{"id":"6e784347-efa3-45c8-980e-f62969faa66f","name":"Task 1 - google search","commands":[{"id":"58e865c5-235f-4b21-897f-
30440bb033d4","comment":"","command":"open","target":"/","value":""},{"id":"2f9269cd-40e9-4725-
87ee-653e502fa19f","comment":"","command":"clickAt","target":"id=lst-ib","value":"42,6"},{"id":"10e95969-7511-49a5-9156-d0e1fdc98666","comment":"","command":"type","target":"id=lst-ib","value":"vivek
vellaiyappan"},{"id":"5d1e82c2-8dc4-4ce7-9382-
42693396a6af", "comment": "", "command": "clickAt", "target": "css=center", "value": "27,33"}, {"id": "9af71b0d
-8bd5-4842-8aaf-
f5fef5ccadd4","comment":"","command":"clickAt","target":"name=btnK","value":"94,22"},{"id":"bd3fd38d-
92dd-4fbf-b518-
0cbb53906010", "comment": "", "command": "clickAt", "target": "xpath = (//a[contains(text(), '2')])[2]", "value": "8, "command": "clickAt", "target": "xpath = (//a[contains(text(), '2')])[2]", "value": "8, "command": "clickAt", "target": "xpath = (//a[contains(text(), '2')])[2]", "value": "8, "command": "clickAt", "target": "xpath = (//a[contains(text(), '2')])[2]", "value": "8, "command": "clickAt", "target": "xpath = (//a[contains(text(), '2')])[2]", "value": "8, "command": "clickAt", "target": "xpath = (//a[contains(text(), '2')])[2]", "value": "8, "command": "clickAt", "target": "xpath = (//a[contains(text(), '2')])[2]", "value": "8, "command": "clickAt", "target": "xpath = (//a[contains(text(), '2')])[2]", "value": "8, "command": "clickAt", "target": "xpath = (//a[contains(text(), '2')])[2]", "value": "8, "command": "clickAt", "target": "xpath = (//a[contains(text(), '2')])[2]", "value": "8, "command": "clickAt", "target": "xpath = (//a[contains(text(), '2')])[2]", "value": "xpath = (//a[contains(text(), '2')])[2]", "xpath = (//a[contains(text(), '
 ,48"},{"id":"2c52b34b-aeac-4dfd-be9a-
 4d550d94e520", "comment": "", "command": "clickAt", "target": "//a[contains(text(), Sri Krishna College of
Engineering and Technology, Coimbatore ...')]","value":"218,12"}]}],"suites":[{"id":"34daf48b-d0cd-4bb8-8151-84d583dc8ad8","name":"Default Suite","tests":["6e784347-efa3-45c8-980e-
f62969faa66f"]}],"urls":["https://www.google.com","https://www.google.com","https://www.google.com",
"https://www.google.com","https://www.google.com","https://www.google.com","https://www.google.com
m","https://www.google.com","http://testing-ground.scraping.pro","http://testing-
ground.scraping.pro", "https://www.google.com", "https://www.google.co
 ps://www.google.com","https://www.google.com","https://www.google.com"]}
```

## Log: (while running the script)

Running 'Task 1 - google search'

- 1.Trying to execute open on /... Success
- 2.Trying to execute clickAt on id=lst-ib with value 42,6... Success
- 3. Trying to execute type on id=lst-ib with value vivek vellaiyappan... Success
- 4.Trying to execute clickAt on css=center with value 27,33... Success
- 5.Trying to execute clickAt on name=btnK with value 94,22... Success
- 6.Trying to execute clickAt on xpath=(//a[contains(text(),'2')])[2] with value 8,48... Success
- 7.Trying to execute clickAt on //a[contains(text(),'Sri Krishna College of Engineering and Technology, Coimbatore ...')] with value 218,12... Success

#### 'Task 1 - google search' completed successfully

## Task 2:

Start at http://www.facebook.com, log in, and click on a few different things before logging out. Make sure you delete your password from the script and set a breakpoint so you can enter your password during execution. — I am not using facebook.com; instead using geeksforgeeks.com since I don't want to use my facebook login stuffs here.

## Selenium IDE:

#### Code:

File name: "Task 2 - Geeksforgeeks login.side" | Project Title: Geeksforgeeks login Testing Project

```
{"id":"83136ba0-419e-4271-93a8-93ba9a1813eb","name":" Geeksforgeeks login Testing
Project","url":"https://www.google.com","tests":[{"id":"8a046c56-c6d1-4e9f-8cd2-
074c5bc4b784","name":"Task 2 - geeksforgeeks login","commands":[{"id":"0bef764c-c008-4ea8-b062-05e9ac58bc2c","comment":"","command":"open","target":"/","value":""},{"id":"4e15c268-8f4c-4e36-9a1d-d7af2ca07324","comment":"","command":"clickAt","target":"id=lst-
ib","value":"243,16"},{"id":"dd3afd62-a435-473b-8361-
f8f5a1dc07b6","comment":"","command":"type","target":"id=lst-ib","value":"geeksforgeeks
login"},{"id":"cca36df0-7746-45fe-bc81-
7c8fd04ab550","comment":"","command":"clickAt","target":"css=div.tsf-
p","value":"108,111"},{"id":"b6ead0ab-1015-43dd-b4cc-
72217a1cc0f3","comment":"","command":"clickAt","target":"id=main","value":"243,358"},{"id":"ba8966bb
-334c-40f8-adbf-
aba4f9c56a29","comment":"","command":"clickAt","target":"name=btnK","value":"82,27"},{"id":"16b1940
4-c3cb-4cd3-abad-1013b3fec974","comment":"","command":"clickAt","target":"css=h3.r >
a","value":"107,4"},{"id":"7c00726d-a85c-4b7c-b49e-
f94a570979aa", "comment": "", "command": "clickAt", "target": "css=div.col-sm-offset-3.col-sm-5 >
div.row", "value": "484,86"}, {"id": "d24fd758-03e5-4081-bfad-
55c58036b713","comment":"","command":"clickAt","target":"id=luser","value":"259,21"},{"id":"bbd02348-
a220-403c-8cc0-
71\,a3c08a5db7", "comment": "", "command": "type", "target": "id=luser", "value": "askkeviv"\}, {"id": "a4d0b03a-luser", "value": "askkeviv"}, {"id": "a4d0b03a-luser", "value": "axkeviv"}, {"id": "a4d0b03a-luser", "value": "axkeviv"}, {"id": "a4d0b03a-luser", "value": "axkeviv"}, {"id": "a4d0b03a-luser", "value": "axkeviv"}, {"id": "
85dc-4804-89fb-11af131b98d8", "comment": "", "command": "clickAt", "target": "css=div.tab-
content","value":"265,6"},{"id":"f8e0646e-0ef3-479c-8119-
202562a807a7", "comment": "", "command": "clickAt", "target": "name=pass", "value": "177,15"}, {"id": "d8432
033-ce74-4491-ba53-
557f2d83c985","comment":"","command":"type","target":"name=pass","value":"demologin"},{"id":"e3a30
77c-0cc6-4875-8263-
330332e04b17", "comment": "", "command": "clickAt", "target": "//div[@id='login']/form/div[3]/div", "value": "login']/form/div[3]/div", "value": "login']/form/div", "login']/form/div", "value": "login']/form/div", "value": "login']/form/div", "value": "login']/form/div", "value": "login']/form/div", "value": "login']/form/div", "value": "login']/form/div", "login']/form/div"
"204,5"},{"id":"f1c8c8c2-bc04-4b13-a445-
19f2259567aa","comment":"","command":"clickAt","target":"xpath=(//input[@value='Login'])[2]","value":
"255,23"},{"id":"e0cb7962-f295-4365-8bfb-
818486e21bb2","comment":"","command":"mouseOver","target":"css=a[title=\"Permalink to Multistage
Graph (Shortest Path)\"]","value":""},{"id":"ca681734-37e8-4492-b9c4-
b27f3cd3f22f","comment":"","command":"mouseOut","target":"css=a[title=\"Permalink to Multistage
Graph (Shortest Path)\"]","value":""}]}],"suites":[{"id":"34daf48b-d0cd-4bb8-8151-
84d583dc8ad8","name":"Default
Suite","tests":[]}],"urls":["https://www.google.com","https://www.google.com","https://www.google.com","h
ttps://www.google.com","https://www.google.com","https://www.google.com","https://www.google.com",
 "https://www.google.com", "http://testing-ground.scraping.pro", "http://testing-
ground.scraping.pro", "https://www.google.com", "https://www.google.co
 ps://www.google.com","https://www.google.com","https://www.google.com"]}
```

- 2.Trying to execute clickAt on id=lst-ib with value 243,16... Success
- 3. Trying to execute type on id=lst-ib with value geeksforgeeks login... Success
- 4.Trying to execute clickAt on css=div.tsf-p with value 108,111... Success
- 5.Trying to execute clickAt on id=main with value 243,358... Success
- 6.Trying to execute clickAt on name=btnK with value 82,27... Success
- 7.Trying to execute clickAt on css=h3.r > a with value 107,4... Success
- 8.Trying to execute clickAt on css=div.col-sm-offset-3.col-sm-5 > div.row with value 484,86... Success
- 9.Trying to execute clickAt on id=luser with value 259,21... Success
- 10.Trying to execute type on id=luser with value askkeviv... Success
- 11.Trying to execute clickAt on css=div.tab-content with value 265,6... Success
- 12.Trying to execute clickAt on name=pass with value 177,15... Success
- 13.Trying to execute type on name=pass with value demologin... Success
- 14.Trying to execute clickAt on //div[@id='login']/form/div[3]/div with value 204,5... Success
- 15.Trying to execute clickAt on xpath=(//input[@value='Login'])[2] with value 255,23... Success
- 16.Trying to execute mouseOver on css=a[title="Permalink to Multistage Graph (Shortest Path)"]... Success
- 17.Trying to execute mouseOut on css=a[title="Permalink to Multistage Graph (Shortest Path)"]... Success

## 'Task 2 - geeksforgeeks login' completed successfully

## Task 3:

A third site and workflow containing at least 10 actions.

#### Actions involved:

 Google website launch, search for "geeksforgeeks python", enter into the site of geeksforgeeks, login actions, user input credentials, topic selections, next page actions

#### Selenium IDE:

#### Code:

File name: "Task 3 - 3rd site with atleast 10 actions" | Project Title: Task 3 - 3rd site with atleast 10 actions - project

```
{"id":"83136ba0-419e-4271-93a8-93ba9a1813eb","name":"Task 3 - 3rd site with atleast 10 actions -
project","url":"https://www.google.com","tests":[{"id":"c96c7d44-3bb9-4ebd-8039-
4f0112cedb67","name":"Task 3 - 3rd site with atleast 10 actions","commands":[{"id":"544735e1-6979-
4836-841e-cdd8489b3732","comment":"","command":"open","target":"/","value":""},{"id":"9a0d931d-
d472-439c-85af-bd770aeb7e1f","comment":"","command":"clickAt","target":"id=lst-
ib","value":"185,9"},{"id":"a457911a-02c9-4fc2-9fb2-
9753967ece79", "comment": "", "command": "type", "target": "id=lst-ib", "value": "geeksforgeeks
python"},{"id":"ff3982da-81b7-4737-b5a6-
a9ad80f8f03d","comment":"","command":"clickAt","target":"css=div.tsf-
p","value":"144,107"},{"id":"a3bd04f6-2ade-4b55-8b3b-
37292aaf9db0","comment":"","command":"clickAt","target":"id=viewport","value":"428,500"},{"id":"ad03c
aa3-fd4c-441c-b552-
a3d4e830c7aa","comment":"","command":"clickAt","target":"name=btnK","value":"76,18"},{"id":"66ceb7d
6-9938-45e1-8341-5e937c601f67", "comment": "", "command": "clickAt", "target": "css=h3.r >
a","value":"300,17"},{"id":"7fbff9e6-d5c8-437b-8532-
9926e180c526","comment":"","command":"clickAt","target":"css=a.ButtonLogin","value":"201,20"},{"id":"9
3c9afc9-0efa-40b1-9bc3-501bd2402a3c", "comment": "", "command": "clickAt", "target": "css=div.tab-
content","value":"479,10"},{"id":"fb4a5cdb-4bf4-495e-bfd0-
307bdf90a47d","comment":"","command":"clickAt","target":"id=luser","value":"437,13"},{"id":"c36dfcbd-
780c-4ccb-9ff1-
f8bef4a547b4","comment":"","command":"type","target":"id=luser","value":"askkeviv"},{"id":"c8441bf0-
1834-49e2-9e1d-a63c9cc0ce68", "comment": "", "command": "clickAt", "target": "css=div.tab-
content","value":"520,14"},{"id":"b854fc99-d9d5-4eaf-ac54-
f951a6d32f0b","comment":"","command":"clickAt","target":"name=pass","value":"400,21"},{"id":"0844a9
56-46a9-493d-bd02-
c519622273a4","comment":"","command":"type","target":"name=pass","value":"demologin"},{"id":"522c6c
49-4a63-4ba3-8798-9ee627e36937", "comment": "", "command": "clickAt", "target": "css=div.tab-
content","value":"453,15"},{"id":"853f364f-6355-44c2-bf3f-
a9a1900255ff","comment":"","command":"clickAt","target":"xpath=(//input[@value='Login'])[2]","value":"
381,13"},{"id":"33ab0a9f-7a1e-4682-b8ba-
f4fd454b52ce","comment":"","command":"clickAt","target":"css=a[title=\"Permalink to Multistage Graph
(Shortest Path)\"]","value":"182,13"},{"id":"f7065ab3-4355-43c9-b4da-
ecc120ae391c", "comment": "", "command": "runScript", "target": "window.scrollTo(0,3959)", "value": ""} { "id": "6
7502b92-b831-4fa9-bf20-dd457e58b56f","comment":"","command":"clickAt","target":"css=span.nav-
next \ge a","value":"79,28"\}, \{"id":"94234770-226b-4800-9596-
6bddfa877174", "comment": "", "command": "runScript", "target": "window.scrollTo(0,5358)", "value": ""}]}], "suit
es":[{"id":"34daf48b-d0cd-4bb8-8151-84d583dc8ad8","name":"Default
Suite", "tests":[]}], "urls": ["https://www.google.com", "https://www.google.com", "https://www.
ttps://www.google.com","https://www.google.com","https://www.google.com","https://www.google.com",
"https://www.google.com","http://testing-ground.scraping.pro","http://testing-
ground.scraping.pro", "https://www.google.com", "https://www.google.co
ps://www.google.com","https://www.google.com","https://www.google.com","https://www.google.com"]}
```

## Log: (while running the script)

Running 'Task 3 - 3rd site with atleast 10 actions'

- 1.Trying to execute open on /... Success
- 2.Trying to execute clickAt on id=lst-ib with value 185,9... Success
- 3.Trying to execute type on id=lst-ib with value geeksforgeeks python... Success
- 4.Trying to execute clickAt on css=div.tsf-p with value 144,107... Success
- 5.Trying to execute clickAt on id=viewport with value 428,500... Success
- 6.Trying to execute clickAt on name=btnK with value 76,18... Success
- 7.Trying to execute clickAt on css=h3.r > a with value 300,17... Success
- 8.Trying to execute clickAt on css=a.ButtonLogin with value 201,20... Success
- 9.Trying to execute clickAt on css=div.tab-content with value 479,10... Success
- 10.Trying to execute clickAt on id=luser with value 437,13... Success
- 11.Trying to execute type on id=luser with value askkeviv... Success
- 12.Trying to execute clickAt on css=div.tab-content with value 520,14... Success
- 13.Trying to execute clickAt on name=pass with value 400,21... Success
- 14.Trying to execute type on name=pass with value demologin... Success
- 15.Trying to execute clickAt on css=div.tab-content with value 453,15... Success
- 16.Trying to execute clickAt on xpath=(//input[@value='Login'])[2] with value 381,13... Success
- 17.Trying to execute clickAt on css=a[title="Permalink to Multistage Graph (Shortest Path)"] with value 182,13... Success
- 18.Trying to execute runScript on window.scrollTo(0,3959)... Success
- 19.Trying to execute clickAt on css=span.nav-next > a with value 79,28... Success
- 20.Trying to execute runScript on window.scrollTo(0,5358)... Success

'Task 3 - 3rd site with atleast 10 actions' completed successfully