

Date: 20/09/2022  
Lab Session No.: 09

### Task 9: Selenium IDE Script

**Aim:** To perform record play back using Selenium IDE Script

#### Description:

The entire script creation process can be classified into 3 chunks:

**Process 1: Recording** – Selenium IDE aids the user to record user interactions with the browser and thus the recorded actions as a whole are termed as Selenium IDE script.

**Process 2: Playing back** – In this section, we execute the recorded script so as to verify and monitor its stability and success rate.

**Process 3: Saving** – Once we have recorded a stable script, we may want to save it for future runs and regressions.

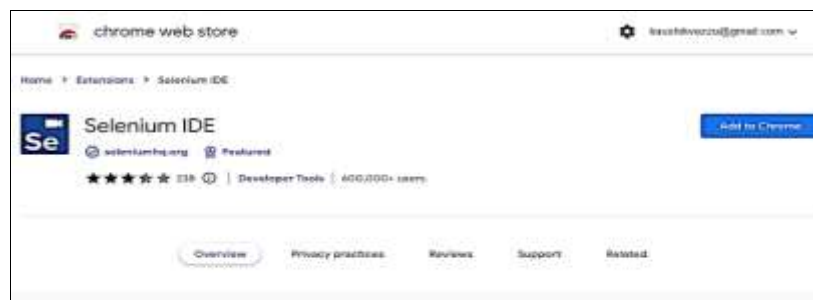
#### Procedure:

##### Steps:

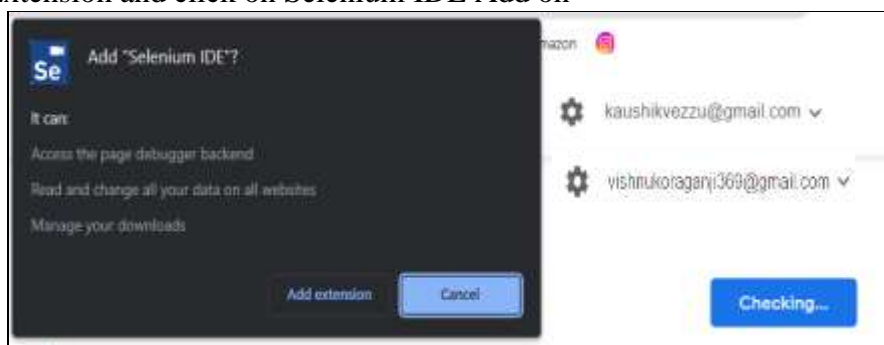
- Open Google Chrome → search for Selenium IDE.



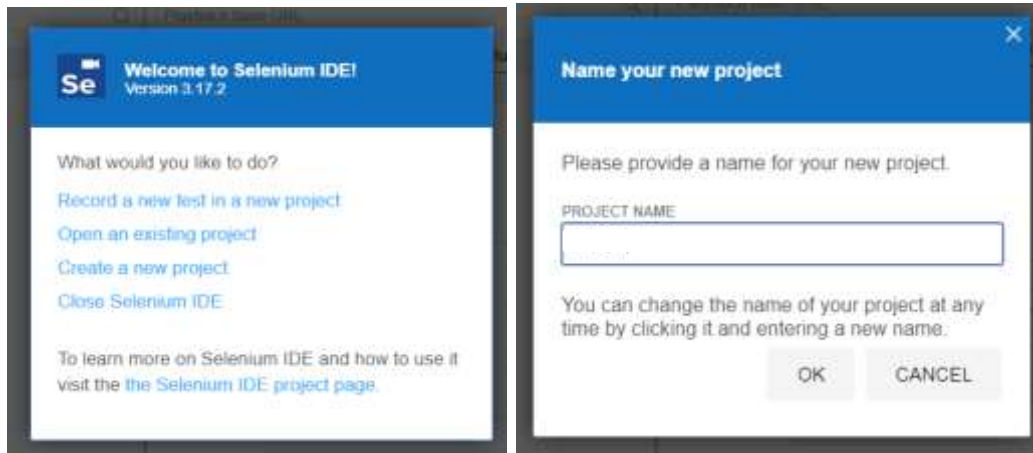
- Click on CHROME DOWNLOAD and add to chrome.



- Click on Add Extension and click on Selenium IDE Add on



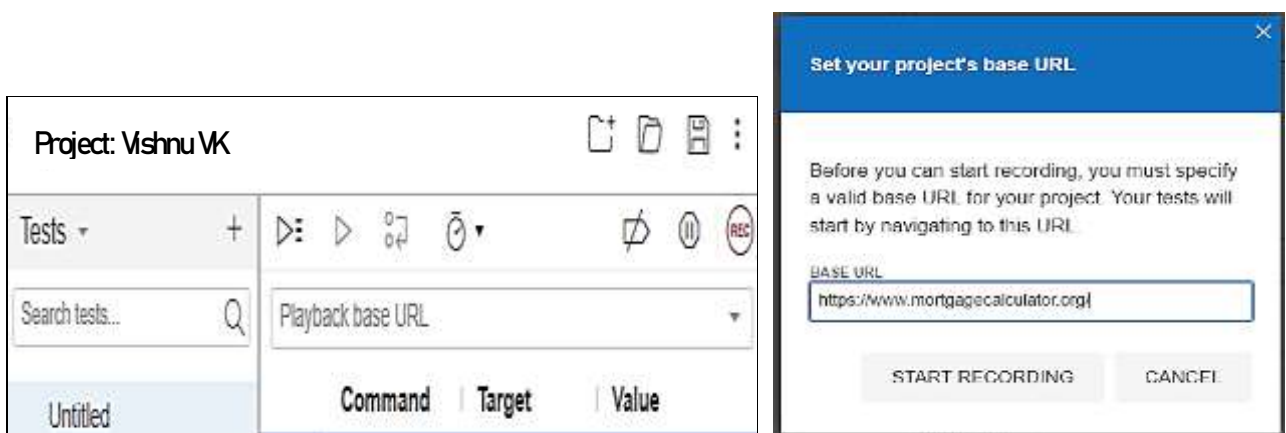
- Click Record a new test in a new project. Enter the project name and click OK



- Enter Base URL for Mortgage Calculator and click START RECORDING. It opens Mortgage Calculator home page. It will show the message Selenium IDE is Recording. Perform some action (like scrolling down the page, clicking on something etc) in that page for few seconds. This action will be recorded by Selenium IDE.



- Now pause the recording by clicking on the pause symbol present at right side of selenium IDE. Enter TEST NAME and click OK.



- Click on Run all Test Cases. It will open Mortgage Calculator and shows the actions performed by you previously.



	Command	Target
1	open	/
2	set window size	622x635

- It shows message 'SeleniumTest completed successfully'.



- Click save icon .give name to the file .click save button .It is saved with .side extension. Rightclick on that .side file .click edit with notepad .Copy the script present in it. This script shows what you have recorded. This script is shown as follows.

```
{
  "id": "277a236a-2e2a-400a-be00-53eedf02fa73",
  "version": "2.0",
  "name": "K.Dakshinya",
  "url": "https://www.mortgagecalculator.org",
  "tests": [{
    "id": "11f0e63c-afa2-4dd8-b425-3efbf0ee1545",
    "name": "Untitled",
    "commands": [{
      "id": "b3bd89bf-9d9b-4a27-a4fb-9b6e96395bb4",
      "comment": "",
      "command": "open",
      "target": "/",
      "targets": [],
      "value": ""
    }, {
      "id": "e5b34322-38fc-4fc4-9720-128a62e32634",
      "comment": "",
      "command": "setWindowSize",
      "target": "622x635",
      "targets": [],
      "value": ""
    }, {
      "id": "af5aed29-c1e2-4328-8a93-49160513dd9b",
      "comment": "",
      "command": "click",
      "target": "css=.calcu-block > .rw-box:nth-child(1)",
      "targets": [
        ["css=.calcu-block > .rw-box:nth-child(1)", "css:finder"],
        ["xpath=//div[@id='calc']/form/section/section[2]/div/div/div/div/div/div[4]/div/div/div", "xpath:idRelative"],
        ["xpath=//div[4]/div/div/div", "xpath:position"]
      ]
    }
  ]
}
```

```

    ],
    "value": ""
  }, {
    "id": "8fd0d4ab-c626-449a-b21b-a1fe4667656a",
    "comment": "",
    "command": "click",
    "target": "id=homeval",
    "targets": [
      ["id=homeval", "id"],
      ["name=param[homevalue]", "name"],
      ["css=#homeval", "css:finder"],
      ["xpath=//input[@id='homeval']", "xpath:attributes"],
      ["xpath=//div[@id='calc']/form/section/section[2]/div/div/div/div/div/div/div[4]/div/div/div/input", "xpath:idRelative"],
      ["xpath=//div[4]/div/div/div/input", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "da8768e8-61ed-4c57-b7b8-475ed360c147",
    "comment": "",
    "command": "click",
    "target": "id=intrstsrte",
    "targets": [
      ["id=intrstsrte", "id"],
      ["name=param[interest_rate]", "name"],
      ["css=#intrstsrte", "css:finder"],
      ["xpath=//input[@id='intrstsrte']", "xpath:attributes"],
      ["xpath=//div[@id='calc']/form/section/section[2]/div/div/div/div/div/div/div[4]/div/div/div[4]/input", "xpath:idRelative"],
      ["xpath=//div[4]/input", "xpath:position"]
    ],
    "value": ""}, {
    "id": "a7be8b68-019e-48e7-a571-173a8fc7d482",
    "comment": "", "command": "click", "target": "id=loanterm",
    "targets": [
      ["id=loanterm", "id"],
      ["name=param[term]", "name"],
      ["css=#loanterm", "css:finder"],
      ["xpath=//input[@id='loanterm']", "xpath:attributes"],
      ["xpath=//div[@id='calc']/form/section/section[2]/div/div/div/div/div/div/div[4]/div/div/div[7]/input", "xpath:idRelative"],
      ["xpath=//div[7]/input", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "7210cd05-c369-44b3-a0a6-7437546ba438",
    "comment": "",
    "command": "click",
    "target": "id=hoi",
    "targets": [
      ["id=hoi", "id"],
      ["name=param[hoi]", "name"],
      ["css=#hoi", "css:finder"],
      ["xpath=//input[@id='hoi']", "xpath:attributes"],
      ["xpath=//div[@id='calc']/form/section/section[2]/div/div/div/div/div/div/div[4]/div/div/div[11]/input", "xpath:idRelative"],
      ["xpath=//div[11]/input", "xpath:position"]
    ],
    "value": "label=FHA"
  }, {
    "id": "f5720845-b38e-4c23-bdbe-f8a32fa33c78",
    "comment": "",

```

```

    "command": "click",
    "target": "name=param[refiorbuy]",
    "targets": [
      ["name=param[refiorbuy]", "name"], ["css=.rw-box:nth-child(16) > select",
"css:finder"], ["xpath=//select[@name='param[refiorbuy]']", "xpath:attributes"],
["xpath=//div[@id='calc']/form/section/section[2]/div/div/div/div/div/div[4]/div/
div/div[16]/select", "xpath:idRelative"],
["xpath=//div[16]/select", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "31d5cc2e-69aa-41fd-872d-b52e761843bd",
    "comment": "", "command": "select", "target": "name=param[refiorbuy]",
    "targets": [],
    "value": "label=Refi"
  }, {
    "id": "55a695c7-895c-446c-9315-9238d13ba458",
    "comment": "",
    "command": "click",
    "target": "name=cal",
    "targets": [
      ["name=cal", "name"], ["css=.rw-box > .styled-button", "css:finder"],
      ["xpath=//input[@name='cal']", "xpath:attributes"],
      ["xpath=//div[@id='calc']/form/section/section[2]/div/div/div/div/div/div[4]/div/
div/div[17]/input", "xpath:idRelative"],
      ["xpath=//div[17]/input", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "adf96c6d-6973-43e9-898e-d8c59c18d96a", "comment": "", "command": "click",
    "target": "css=.rw-box:nth-child(6) > .left-cell",
    "targets": [
      ["css=.rw-box:nth-child(6) > .left-cell", "css:finder"],
      ["xpath=//div[@id='calc']/form/section/section[2]/div/div/div/div/div/div[4]/div[2]/
div/div[6]/div", "xpath:idRelative"],
      ["xpath=//div[6]/div", "xpath:position"]
    ],
    "value": ""
  }
]
}
}
"suites": [{
  "id": "99f74849-e51b-4605-abd4-417afbe9877c",
  "name": "Default Suite", "persistSession": false, "parallel": false, "timeout": 300,
  "tests": ["11f0e63c-afa2-4dd8-b425-3efbfceee1545"]
}],
"urls": ["https://www.mortgagecalculator.org/"],
"plugins": []
}

```

**Result:**

Thus, performing record play back using Selenium IDE Script has been performed successfully.

**MARKS:** \_\_\_\_\_

**STAFF SIGNATURE:** \_\_\_\_\_