Libraries to be Used

Semantic UI Step : https://semantic-ui.com/elements/step.html
Semantic UI Accordian : https://semantic-ui.com/modules/accordion.html
Semantic MODAL : https://semantic-ui.com/modules/modal.html#/examples
REDUX : https://redux.js.org/introduction/getting-started

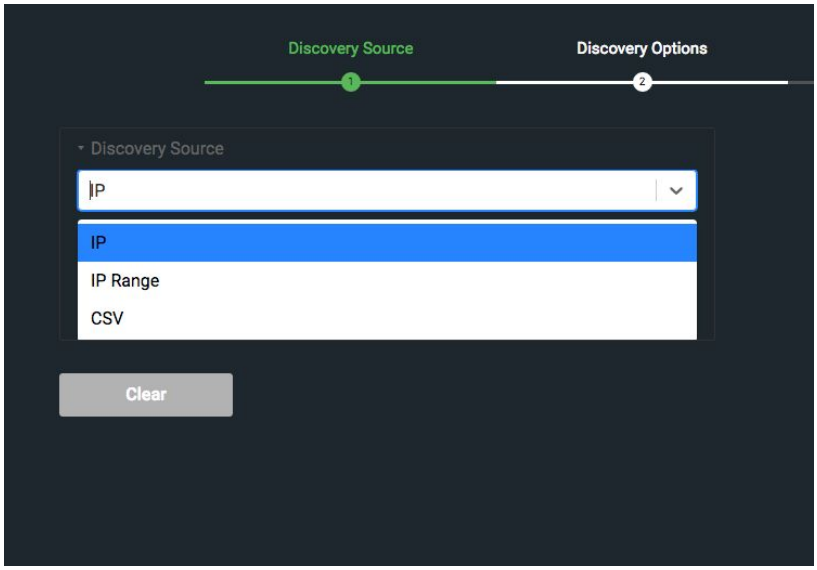
NOTE: All **Form Elements** should be used from Semantic UI Only and the entire component should be built with redux.

Using Semantic UI Step Create a Wizard with the following Steps:

NOTE: Each step should be created inside an accordion using Semantic UI Accordion which can be collapsed as required.

Step 1: Discovery Source

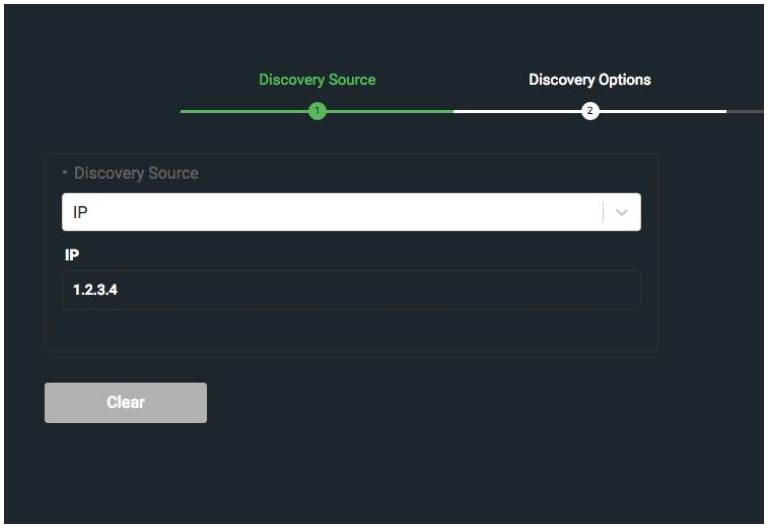
On initial page load, the wizard should be presented with the following Information:
Discovery Source: (Should be a dropdown consisting of 3 choices IP, IP Range and CSV)



Upon selection of the option dynamic rendering of form is performed:

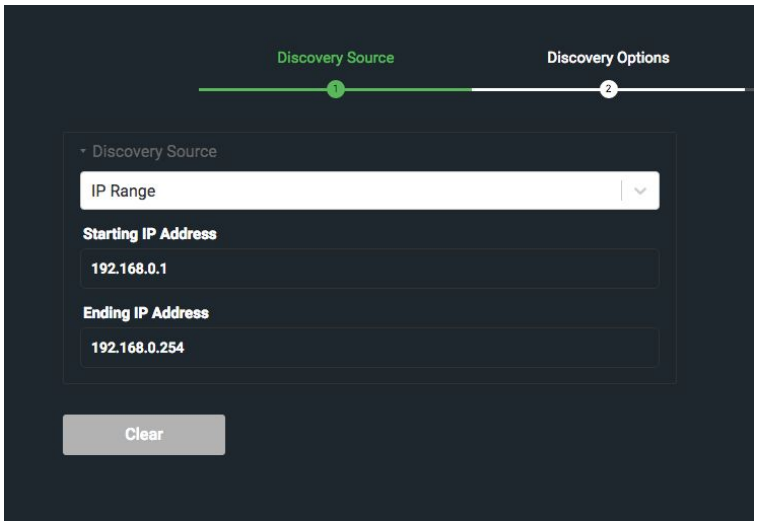
In case of IP as the selection:

Display single Textbox with label IP as below (remember to highlight the step which the user is on)



In the case of IP Range as the selection:

Display two Textboxes with labels Starting IP Address and Ending IP Address



DATA VALIDATION:

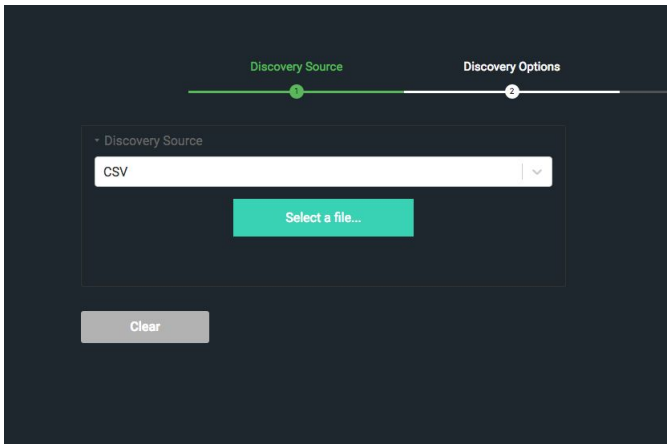
IP Address text boxes should have the following validation and should display an error if invalid in your chosen method:

- IP address should be a valid IP Address i.e. four decimal numbers each ranging from 0 to 255. For example 100.200.201.255
- Only numbers should be allowed to be the input of this field.

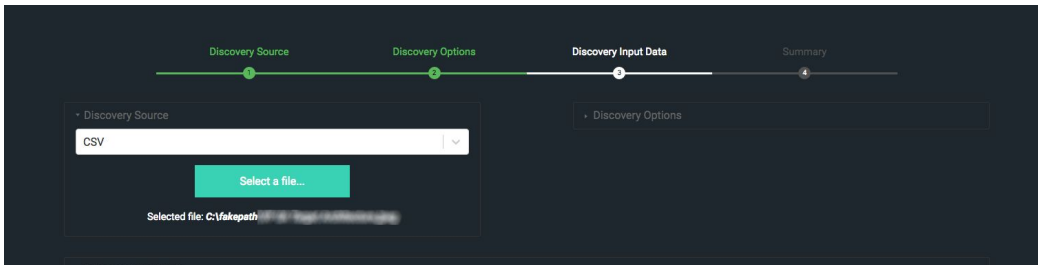
- Starting IP address cannot be larger than the Ending IP Address. For example 1.2.3.255 as starting IP and 1.2.3.1 as Ending IP is invalid.

In the case of CSV as the selection:

Display a button “Select a file..” which opens a file selection browser where the user can upload any file. Display path of the file as in the image below.



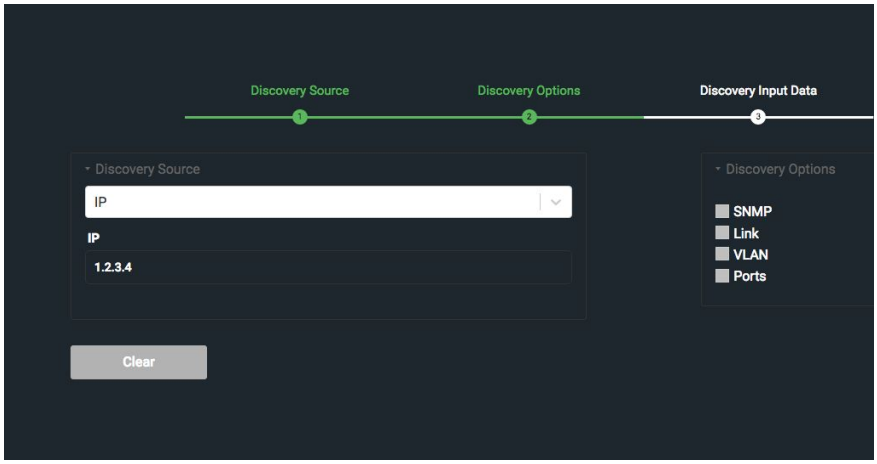
- The path of the uploaded file should be displayed as in the image below.



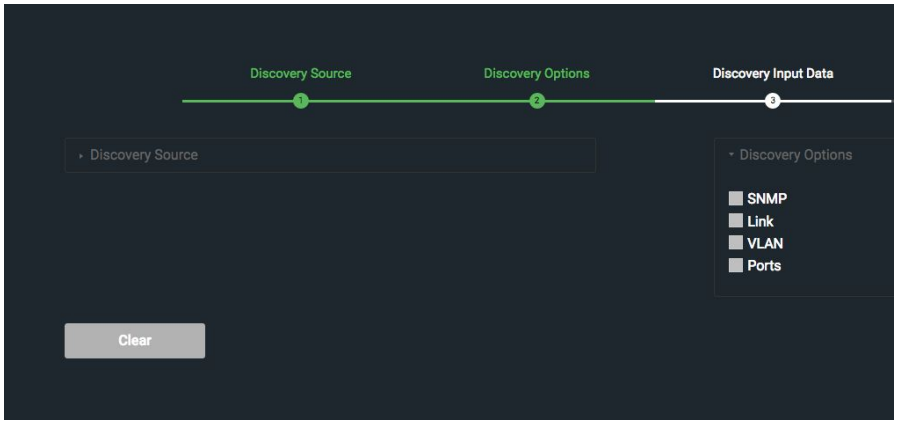
Step 2: Discovery Options

After the Discovery source is input Step 2 “Discovery Options” is presented.

The options should be contained inside the **“Semantic UI Accordion”** in order to allow the user to collapse when needed.



Note: Discovery Options “Accordion Open” in the image above



Note: Discovery options “ Accordion Closed” in the image above

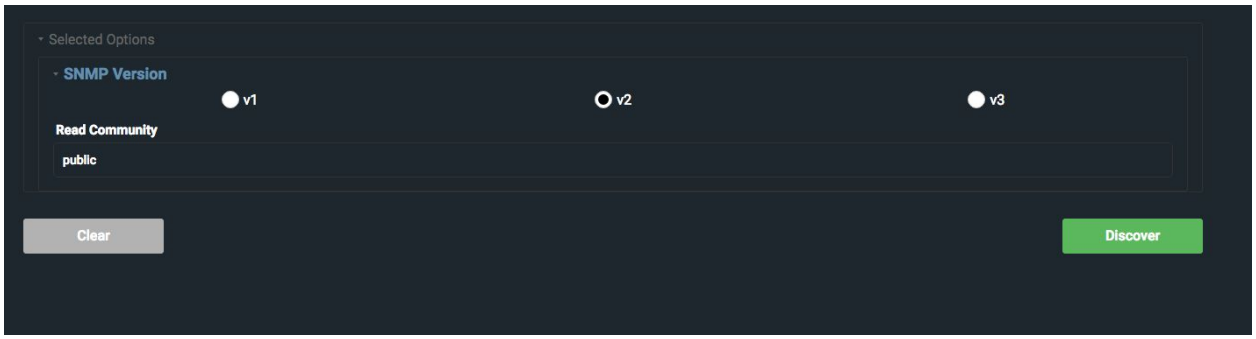
The Discovery Options Component should contain the following “Multi Select Checkboxes”

- SNMP
- Link
- VLAN
- PORTS

For the purpose of this test task, only SNMP Selection will trigger another component to open which displays 3 radio buttons (Only one button should be allowed to be selected)

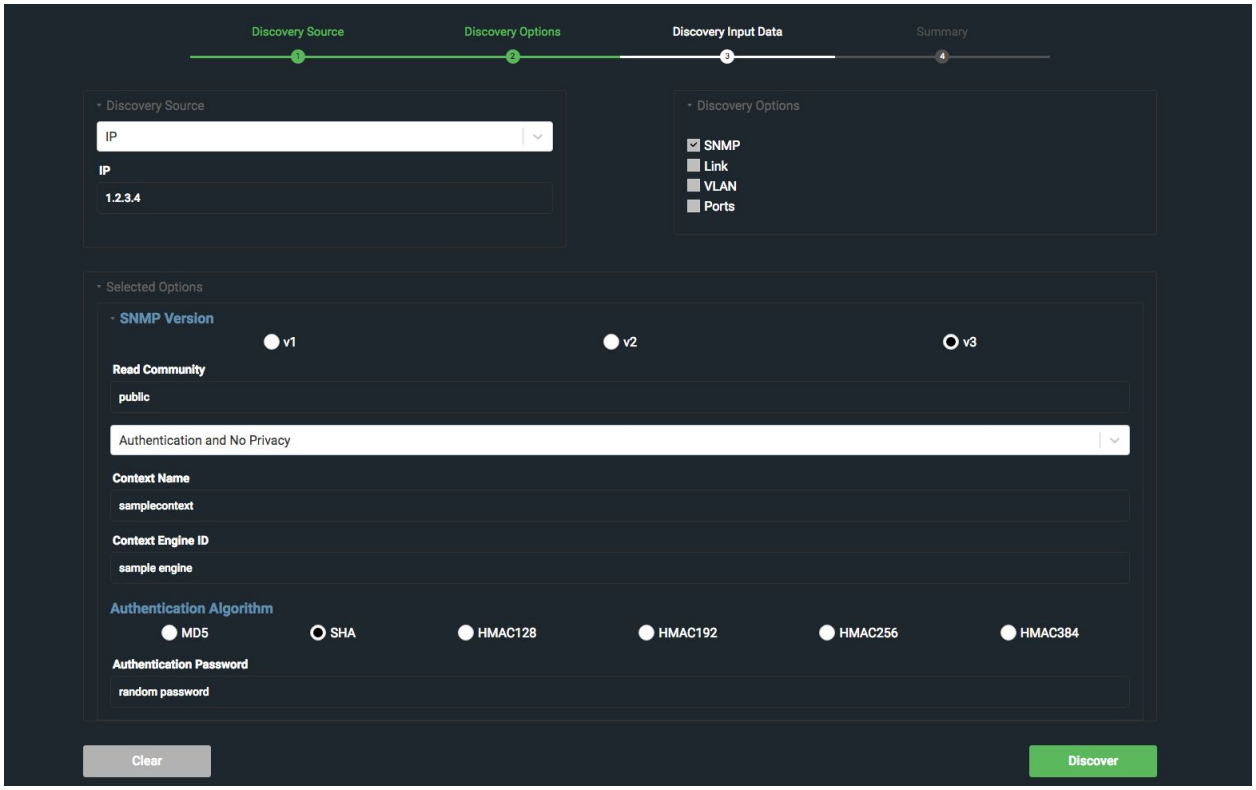
- V1
- V2
- V3

Upon Selecting V1 or V2, Read Community INput box is displayed as in the image below.



Upon Selecting V3 the following Form is presented with the fields as in the image below.

The overall presentation should look like the image below:



Upon Clicking **Discover** the input data should be captured and displayed in the following format using “**Semantic MODAL Component”** in a modal window.


```
{
  "content": {
    "inputType": "IP",
    "ipAddress":"1.2.3.4",
    "snmpConfig": {
      "version": "3",
      "snmpv1": null,
      "snmpv2": null,
      "snmpv3": {
        "readCommunity": "public",
        "securityOptions": "Authentication and No Privacy",
        "contextName": "samplecontext",
        "contextEngineID": "sample engine",
        "authenticationAlgorithm": {
          "password": "random password",
          "code": "sha"
        },
        "encryptionAlgorithm": {
          "code": ""
        }
      }
    }
  }
}
```


NOTE: InputType and ipAddress should change to “IP Range” and add “startIPAddress” and “endIPAddress” to the Json.

RESULT INSTRUCTIONS

You can deploy a heroku app or github page and also upload the code to a github page and send the link.

DURATION:

The DURATION For this task is maximum 4 days. The earlier its completed the better.