

1. Compatibility Testing:-

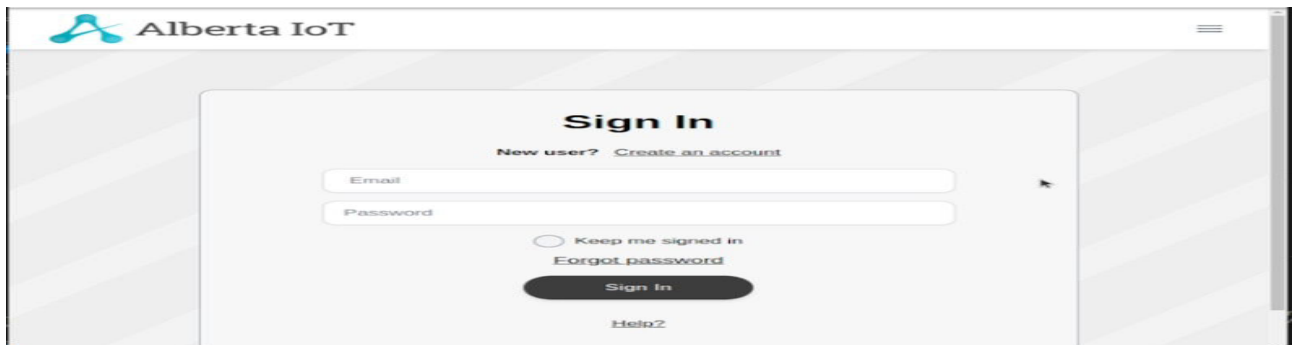
In this, we have to test the compatibility that the website is opening in the browser or not. So have tested the compatibility in the 3 of the top browsers named Google Chrome, Mozilla Firefox and Microsoft Edge. Name of the video is **Compatibility_Testing.mkv**

Google Chrome:

Have tested the compatibility in Google Chrome.

Expedted Result :- This Link should Get opened in the Google Chrome Browser.

Actual Result :- This link is opening in the Google Chrome Browser.



Mozilla Firefox:

Have tested the compatibility in Mozilla Firefox.

Expedted Result :- This Link should Get opened in the Mozilla Firefox Browser.

Actual Result :- This Link is opening in Mozilla Firefox Browser.

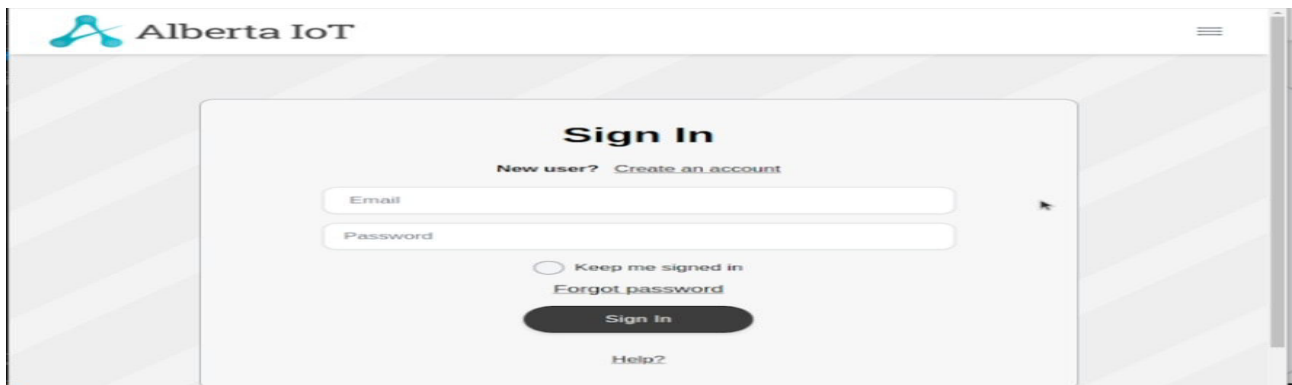


Microsoft Edge:

Have tested the compatibility in Microsoft Edge.

Expedted Result :- This Link should Get opened in the Microsoft Edge Browser.

Actual Result :- This Link is opening in Microsoft Edge Browser.



2. Penetration Testing:-

In penetration testing, I have scanned the ports in the website from 1 to 50000. In this no any port is open. Name of the video is **penetration_testing_port_scanner.mkv**

Have scanned to check that which ports are open in the website. No ports are open.

Expected Result :- No Ports should be opened.

Actual Result :- No Ports are opened

```
penetration_test.py > portscan
1 import socket
2 import time
3 import threading
4
5 from queue import Queue
6 socket.setdefaulttimeout(0.25)
7 print_lock = threading.Lock()
8
9 t_IP = "https://dev.thesciencepark.dev/"
10 #t_IP = socket.gethostbyaddr(target)
11 print ('Starting scan on host: ', t_IP)
12
13 def portscan(port):
14     s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
15     try:
16         con = s.connect((t_IP, port))
17         with print_lock:
18             print(port, 'is open')
19         con.close()
20     except:
21         pass
22
23 def threader():
24     while True:
25         worker = q.get()
26         portscan(worker)
27         q.task_done()
28
29
30 PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
c:/vscode/extensions/ms-python.python-2022.10.1/pythonFiles/lib/python/debugpy/adapters/.../debugpy/launcher 45815 -- /home/tecblcic/
Desktop/Projects/Alberta/penetration_test.py
Starting scan on host: https://dev.thesciencepark.dev/
Time taken: 2.44888247924892
tecblcic@tecblcic-HP-PC: ~/Desktop/Projects/Alberta : cd /home/tecblcic/Desktop/Projects/Alberta ; /usr/bin/env /bin/python3 /home/tecblcic/
Desktop/Projects/Alberta/penetration_test.py
Starting scan on host: https://dev.thesciencepark.dev/
Time taken: 2.4548444747924892
```

3. GUI Testing:-

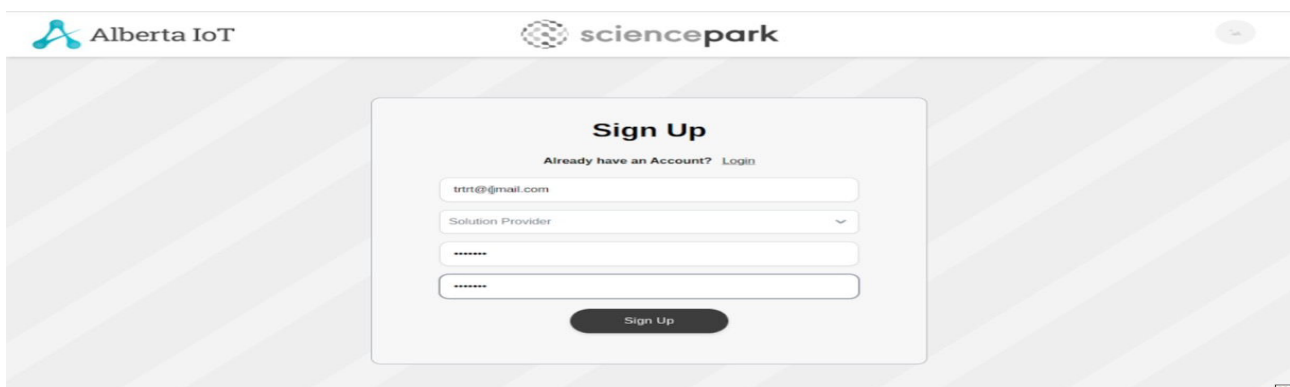
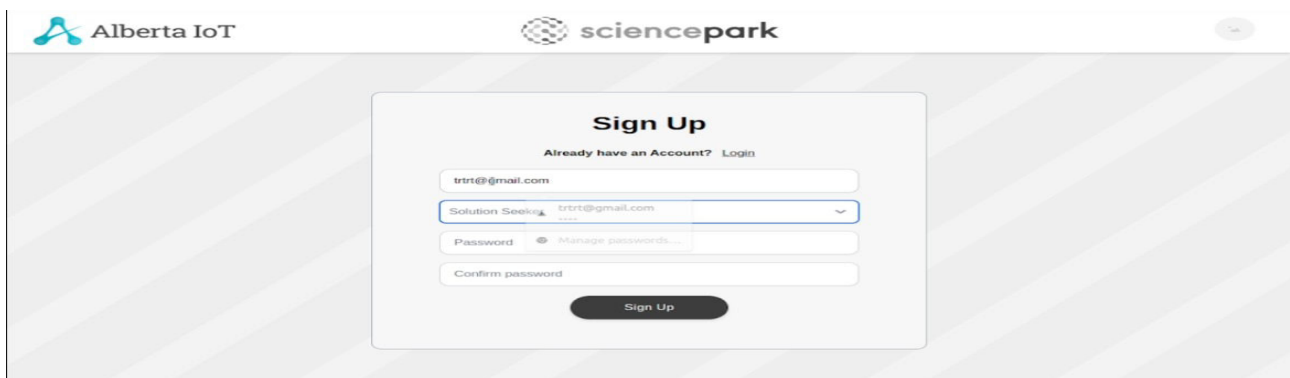
In this testing, we test the UI of the website. It generally evaluates the textboxes, buttons, links, icons, lists, etc. In this, I have tested Signup Page, Login Page, Create Profile Page, Edit Profile Page, Create Challenge and Business Profile Page. Names of the videos are **signup_page.mkv**, **Login.mkv**, **Profile_Create.mkv**.

Signup Page

Have tested the signup page testboxes and by adding the values.

Expected Result :- The textboxes should be clickable and user should be able to enter the values.

Actual Result :- The textboxes are clickable and user is able to enter the values.



Login Page

Have tested the Login page testboxes and by adding the values.

Expected Result :- The textboxes should be clickable and user should be able to enter the values.

Actual Result :- The textboxes are clickable and user is able to enter the values.



Profile Create Page:

Have tested the Profile Create page testboxes and by adding the values.

Expected Result :- The textboxes should be clickable and user should be able to enter the values.

Actual Result :- The textboxes are clickable and user is able to enter the values.



This screenshot shows the 'Profile Create' page for 'Alberta IoT' and 'sciencepark'. The page features a header with the logos and a user profile icon. The main form contains five input fields: 'First Name' (containing 'abcdefg'), 'Last Name' (containing 'pqrst'), 'Office phone Number' (containing '987'), 'Education' (containing 'Education'), and 'Position' (containing 'Position'). A 'Submit' button is located at the bottom of the form. A small '00/23' indicator is visible in the bottom right corner.



This screenshot shows the 'Profile Create' page with the same form as the previous one, but with different values entered: 'First Name' is 'abcdefg', 'Last Name' is 'pqrst', 'Office phone Number' is '987', 'Education' is 'Engineer', and 'Position' is 'abcd'. The 'Submit' button remains at the bottom.