

1. Compatibility Testing:-

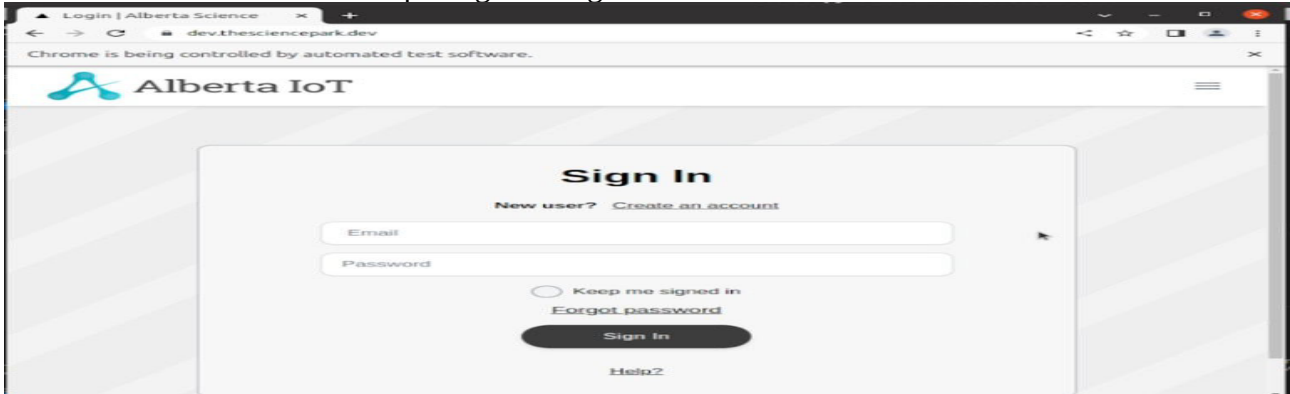
In this, we have to test the compatibility that the website is opening in the browser or not. So we have tested the compatibility in the 3 of the top browsers named Google Chrome, Mozilla Firefox and Microsoft Edge. Name of the video is **Compatibility_Testing.mkv**

Google Chrome:

Again after updation I've tested the compatibility of the website in this sprint in Google Chrome.

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

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

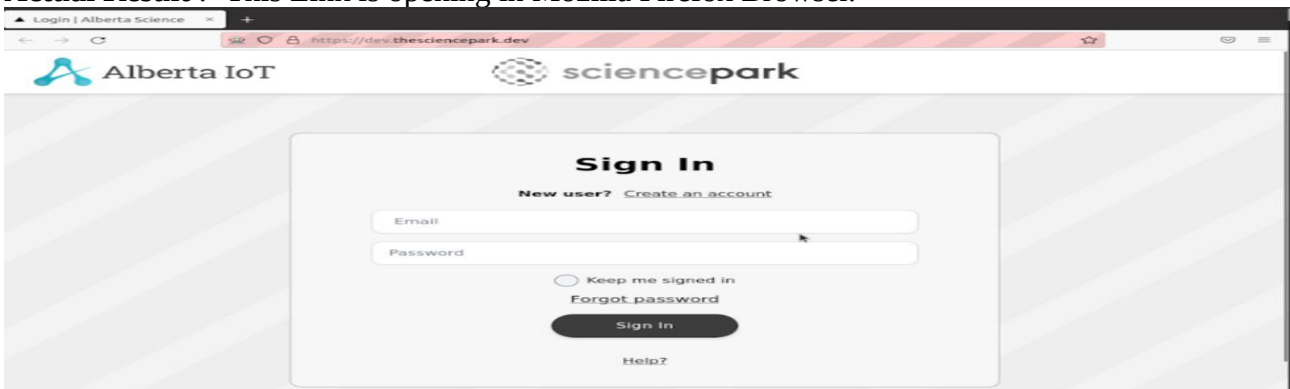


Mozilla Firefox:

Again after updation I've tested the compatibility of the website in this sprint 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.

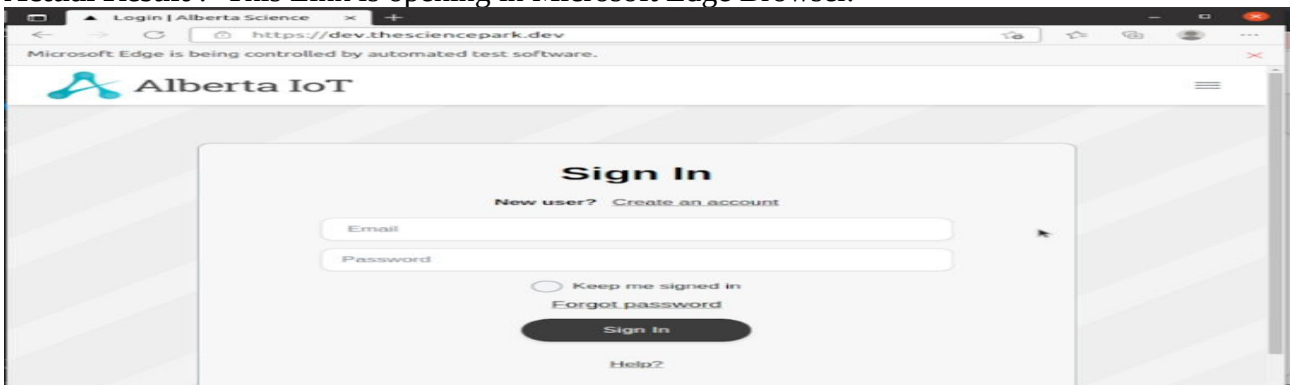


Microsoft Edge:

Again after updation I've tested the compatibility of the website in this sprint 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.



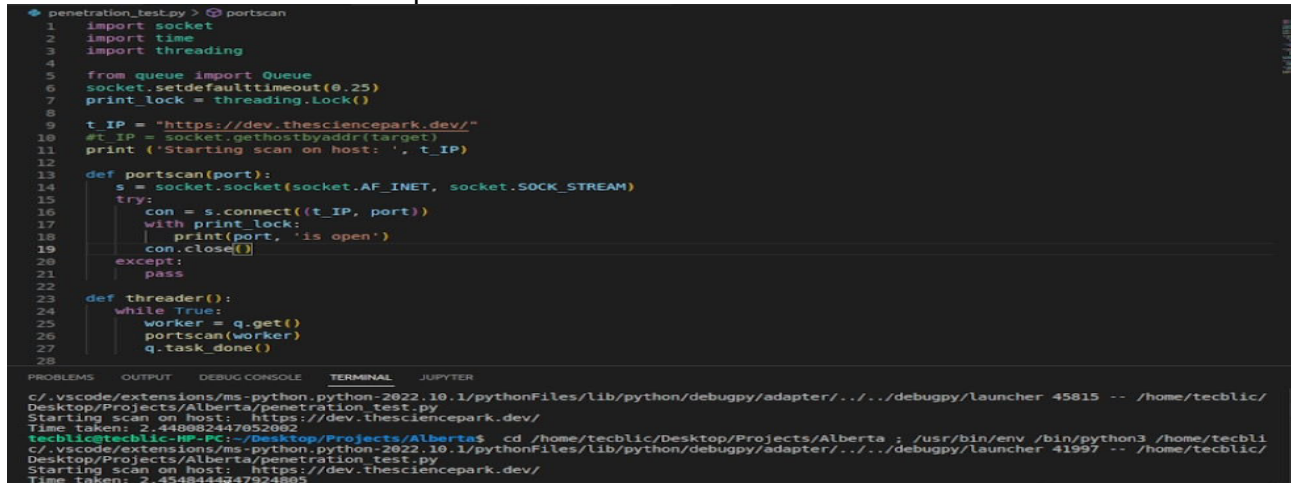
2. Penetration Testing:-

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**

Again after updation of the website, I've tested the ports but no open ports were detected.

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
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```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

c:/vscode/extensions/ms-python.python-2022.10.1/pythonFiles/lib/python/debugpy/adapters/.../debugpy/launcher 45815 -- /home/tecblc/Desktop/Projects/Alberta/penetration_test.py
Starting scan on host: https://dev.thesciencepark.dev/
Time taken: 2.448862447952092
tecblc@tecblc-HP-PC:~/Desktop/Projects/Alberta\$ cd /home/tecblc/Desktop/Projects/Alberta ; /usr/bin/env /bin/python3 /home/tecblc/Desktop/Projects/Alberta/penetration_test.py
Starting scan on host: https://dev.thesciencepark.dev/
Time taken: 2.4548444747924895

3. GUI Testing:-

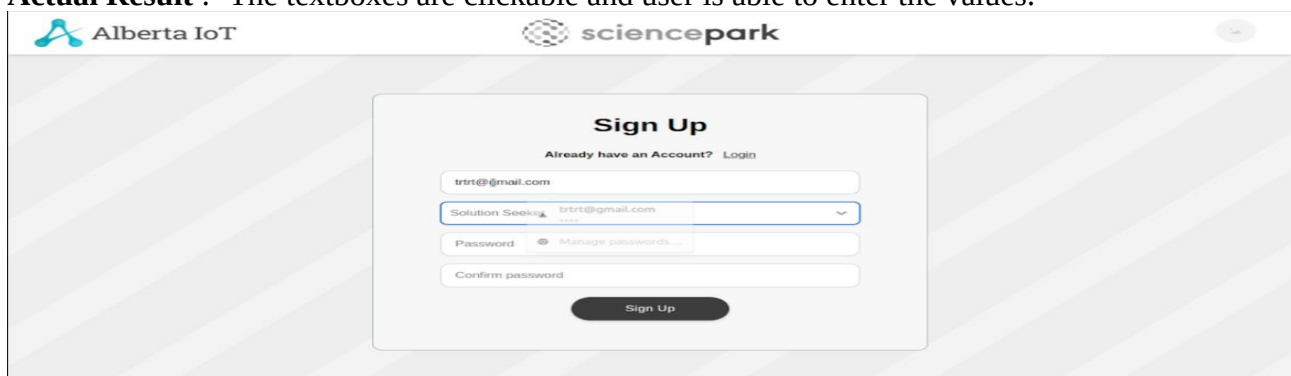
In this testing, we test the UI of the website. It generally evaluates the textboxes, buttons, links, icons, lists, etc. In this, I have tested Signup Page, Login Page, Create Profile Page, Edit Profile Page, Create Challenge and Business Profile Page. Names of the videos are **signup_page.mkv**, **Login.mkv**,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

Signup Page

Again after updation I've tested the Signup Page of the website in this sprint.

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.



The screenshot shows the 'Sign Up' page of the sciencepark website. The header includes the 'Alberta IoT' logo on the left and the 'sciencepark' logo on the right. The main content area has a light gray background with diagonal stripes. A white box in the center contains the 'Sign Up' form. The form has a title 'Sign Up', a link 'Already have an Account? Login', and four input fields: an email field with 'trtrt@gmail.com', a 'Solution Provider' dropdown menu, and two password fields with masked characters '*****'. A dark gray 'Sign Up' button is at the bottom of the form.

Login Page

Again after updation I've tested the Login Page of the website in this sprint.

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.

The screenshot shows the 'Sign In' page of the sciencepark website. The header includes the 'Alberta IoT' logo on the left and the 'sciencepark' logo on the right. The main content area has a light gray background with diagonal stripes. A white box in the center contains the 'Sign In' form. The form has a title 'Sign In', a link 'New user? Create an account', and two input fields: an email field with 'trtrt80@gmail.com' and a 'Password' field. Below the password field are two radio buttons: 'Keep me signed in' (selected) and 'Forgot password'. A dark gray 'Sign In' button is at the bottom of the form, with a 'Help?' link below it.

The screenshot shows the 'Sign In' page of the sciencepark website after a successful login. The header includes the 'Alberta IoT' logo on the left and the 'sciencepark' logo on the right. A green notification banner in the top right corner says 'Signed in successfully'. The main content area has a light gray background with diagonal stripes. A white box in the center contains the 'Sign In' form. The form has a title 'Sign In', a link 'New user? Create an account', and two input fields: an email field with 'trtrt80@gmail.com' and a password field with masked characters '****'. Below the password field are two radio buttons: 'Keep me signed in' (selected) and 'Forgot password'. A dark gray 'Sign In' button is at the bottom of the form, with a 'Help?' link below it.



Profile Create Page:

Again after updation I've tested the Profile Create Page of the website in this sprint.

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 displays the 'Profile Create Page' form. The form is set against a background of light gray diagonal stripes. It includes the following elements:

- First Name:** A text input field containing the text 'abcdefg'.
- Last Name:** A text input field containing the text 'qrst'.
- Office phone Number:** A text input field containing the text '987'.
- Education:** A text input field containing the text 'Education'.
- Position:** A text input field containing the text 'Position'.
- Submit:** A dark gray button with the text 'Submit' in white.

This screenshot shows the 'Profile Create Page' form after some data has been entered. The form layout is identical to the previous one, but with the following updates:

- First Name:** 'abcdefg' (unchanged).
- Last Name:** 'qrst' (unchanged).
- Office phone Number:** '987' (unchanged).
- Education:** 'Engineer' (updated from 'Education').
- Position:** 'abcd' (updated from 'Position').
- Submit:** 'Submit' button (unchanged).

Edit Profile:

Have tested the Edit Profile 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.

Alberta IoT sciencepark

abcdefg 987
Solution Provider

[Edit profile](#)

Email: trts8080@gmail.com Office phone Number: pqrs

Education: Engineer Position: abcd

Address:

Languages:

Alberta IoT sciencepark

First Name: abcdefgabcdefg Last Name: abcd Office phone Number: 995 Education: engineer

Position: abc Language Spoken: English Experience level: Junior Address Line 1: abcde

Address line 2: f City: Enter your city State: Enter your state Country: Enter your country

Submit

Alberta IoT sciencepark

Dashboard Projects Challenges Profile Business Profile

Loading...

Profile Updated Successfully

Business Profile Page

Have tested the Business Profile page testboxes, Dropdown and by adding the values.

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

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

This screenshot shows the 'Business Profile' page of the 'sciencepark' application. The left sidebar contains a menu with 'Business Profile' selected. The main form area contains the following fields:

- Company Name: ABCDEFGerr
- Company Phone: Company Phone
- Company Address 2: Company Address 2
- Company City: Company City
- Company Country: Company Country
- Company Description: Company description
- Company Email: abcgfdefg@
- Company Address 1: Company Address 1
- Company Classification: Select role (dropdown)
- Company State: Company State
- Company Website: Company website

A small '00-27' label is visible at the bottom center of the form area.

This screenshot shows the 'Business Profile' page with test data entered into the input fields:

- Company Name: ABCDEFGerr
- Company Phone: 96545
- Company Address 2: pgrxgfbyz
- Company City: dehgfghi
- Company Country: mnbhgdi
- Company Description: Company description
- Company Email: abcgfdefg@getnadfga.com
- Company Address 1: abcdpfgghqr
- Company Classification: Construction (dropdown)
- Company State: jkghlm
- Company Website: Company website

A small '00-43' label is visible at the bottom center of the form area.

This screenshot shows the 'Business Profile' page after a successful submission. A green success message 'Profile Created successfully' is displayed in the top right corner. The 'Submit' button is visible at the bottom center of the form area. The input fields are now empty, except for the 'Company Phone' field which still contains '96545'.

A small '00-25' label is visible at the bottom center of the form area.

Create Challenge Page:

Have tested the Create Challenge page testboxes, Dropdown, Checkboxes and by adding the values.

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

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

Alberta IoT

sciencepark

Dashboard

Projects

Challenges

Profile

Business Profile

Challenge Title

challenge123

Nature of Challenge/ Challenge Statement

abcdev

Challenge Location

Select location

Industry

- ☐ Agriculture
- ☐ Oil and Natural Gas
- ☐ Manufacturing
- ☐ Retail
- ☐ Healthcare
- ☐ Real Estate
- ☐ Banking & Financial Services
- ☐ Insurance

Submit new Challenge

Up Coming Challenges

CHALLENGES	POST DATE
Dev Launch	July 2022
Alpha Launch	August 2022

Team Users

Team Users	Role
Admin	Manager
Admin	Manager

User management >

Alberta IoT

sciencepark

Dashboard

Projects

Challenges

Profile

Business Profile

Challenge Title

Enter challenge

Nature of Challenge/ Challenge Statement

Write your statement here...

Challenge Location

Select location

Industry

- ☒ Agriculture
- ☒ Oil and Natural Gas
- ☒ Manufacturing
- ☒ Retail
- ☐ Healthcare
- ☐ Real Estate
- ☐ Banking & Financial Services
- ☐ Insurance

Submit new Challenge

Up Coming Challenges

CHALLENGES	POST DATE
Dev Launch	July 2022
Alpha Launch	August 2022

Team Users

Team Users	Role
Admin	Manager
Admin	Manager

User management >

Challenge Created successfully