

CREATE IBM WATSON IOT PLATFORM AND DEVICE CREATE IBM WATSON IOT PLATFORM AND DEVICE

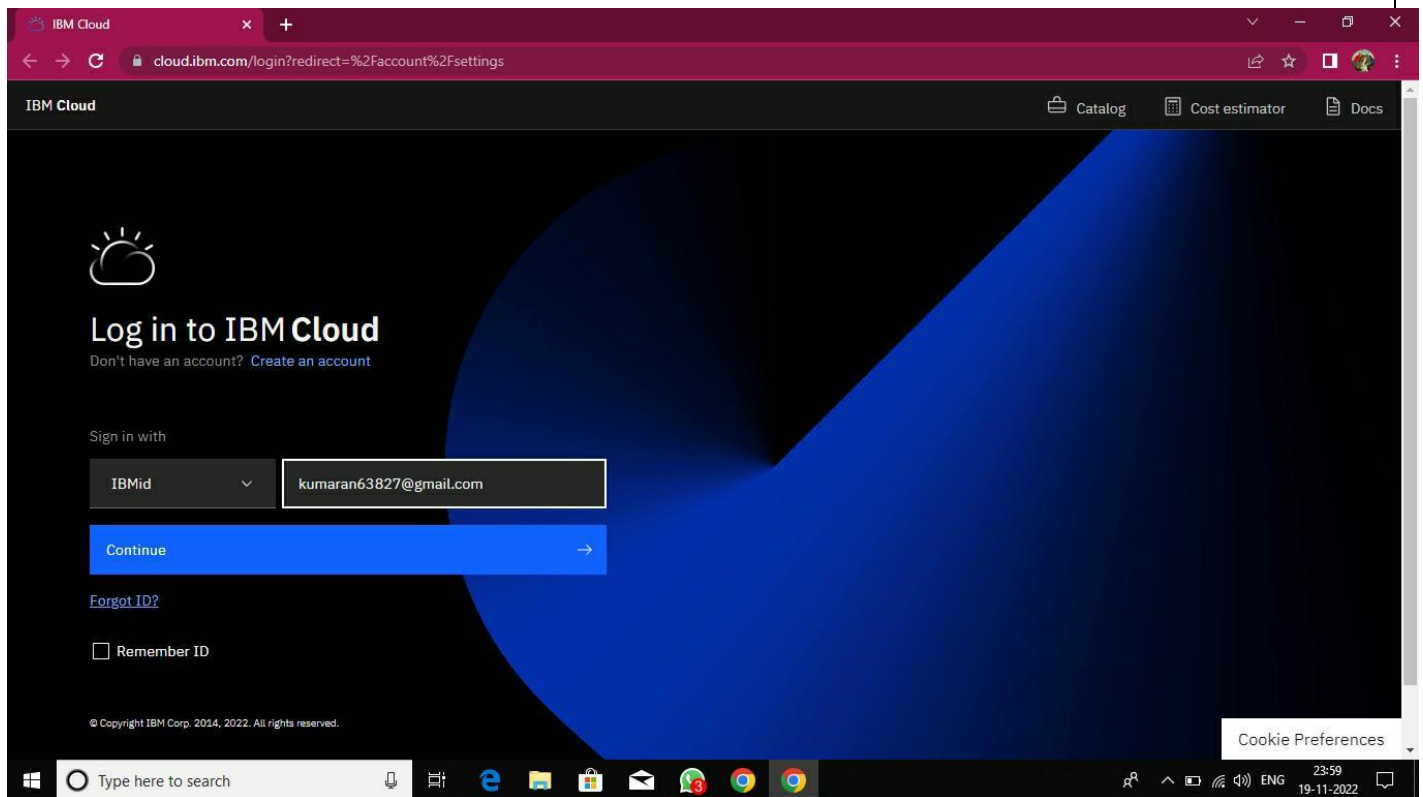
Date	9 November 2022
Team ID	PNT2022TMID38196
Project Name	Smart waste management using IOT in metropolitan cities

AIM:

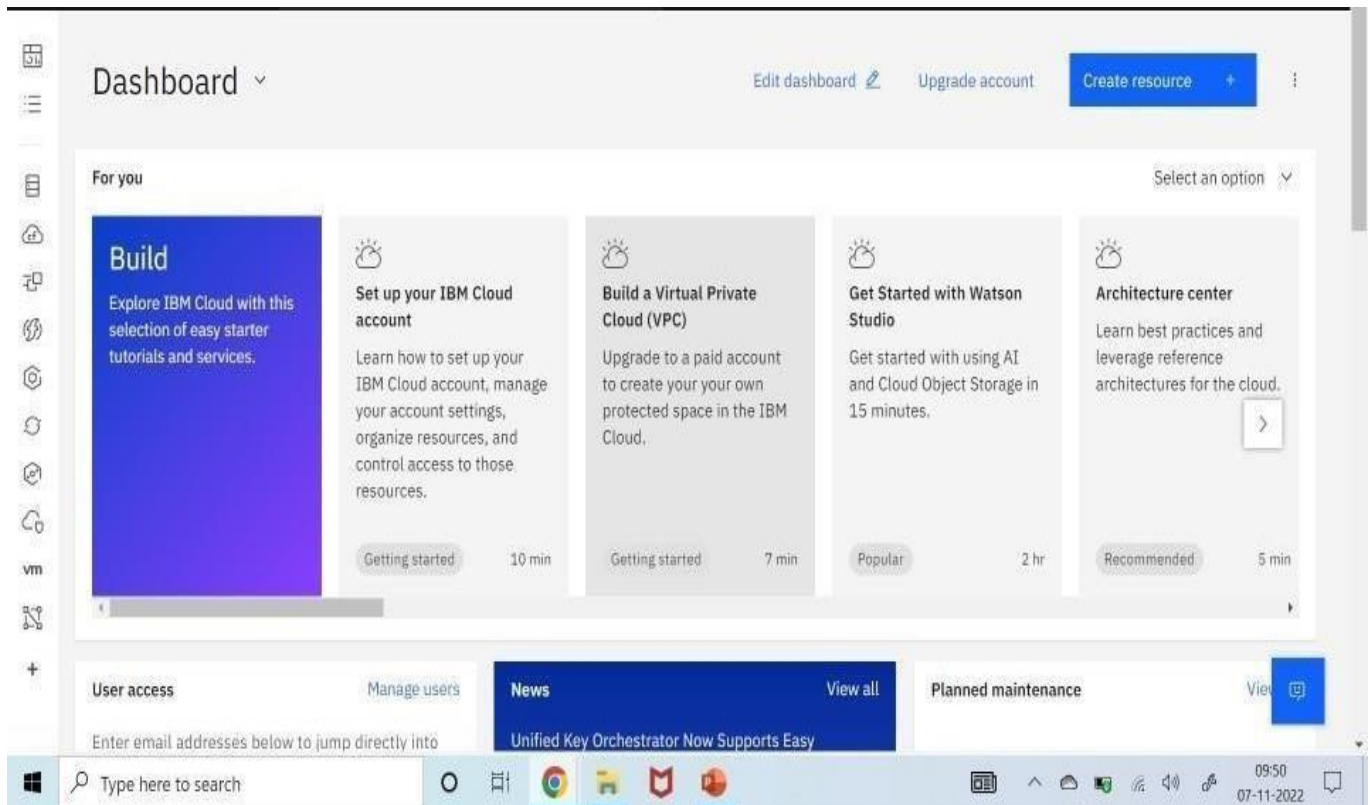
To create the IBM Watson IoT platform and device.

Steps to be followed

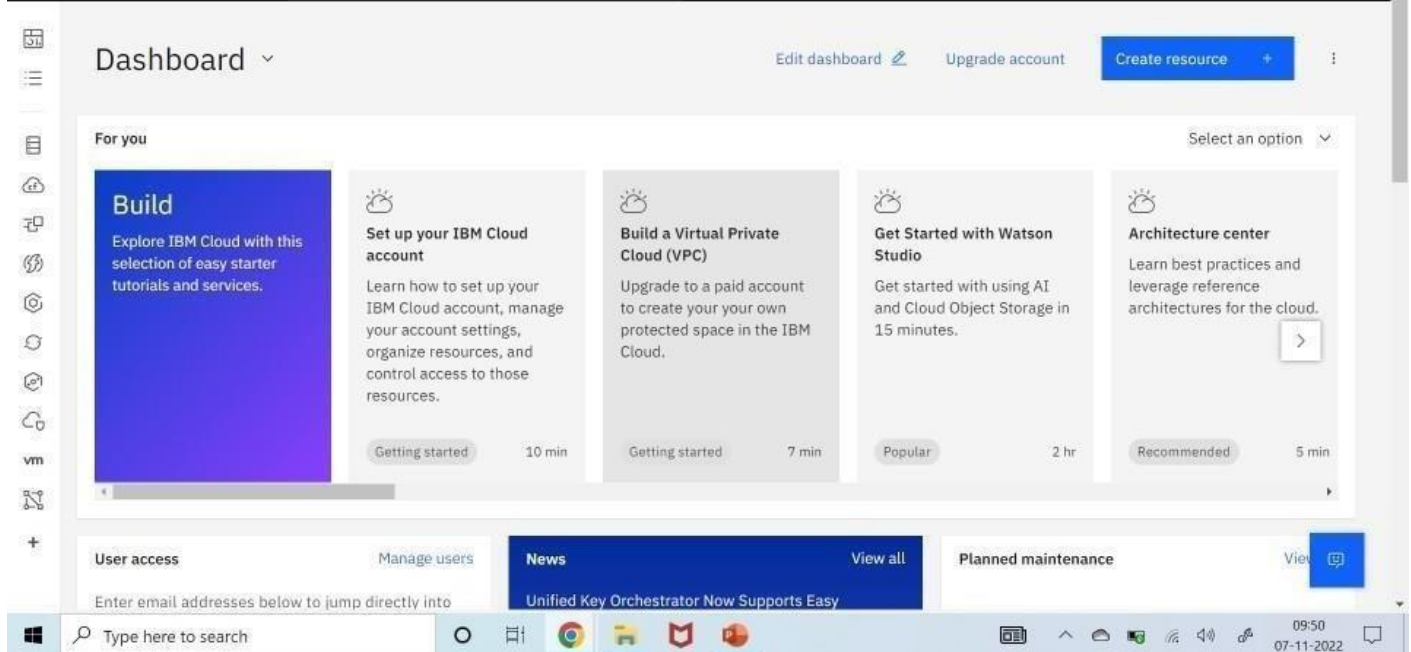
Step 1: Firstly, create an IBM cloud account with IBM id and password.



Step 2: Home page of IBM cloud.



Step 3: Click on the catalog on the top.



Step 4: Click on IoT in the category mentioned.

Search the catalog...

Sell on IBM Cloud Catalog settings

Containers (9)
Networking (30)
Storage (20)
AI / Machine Learning (17)
Analytics (10)
Blockchain (1)
Databases (28)
Developer tools (25)
Logging and monitoring (3)
Migration (8)
Integration (10)
Internet of Things (1)
Security (25)
Mobile (1)

Analytics Engine
By IBM
Submit your Apache Spark applications as needed and customize the Spark runtimes to satisfy the requirements of your...
Lite • Free • HIPAA Enabled • IAM-enabled • Service Endpoint Supported • IBM supported

AnonTech ViziVault Platform
By Anon Technology, Inc.
Manage personal information as-a-service safely, securely, and in compliance with data privacy regulations using ViziVault
Lite • Free • HIPAA Enabled • IAM-enabled • Third party supported

API Connect
By IBM
An enterprise-grade platform for creating, securing, managing, sharing, monetizing, and analyzing custom APIs located on-...
Lite • Free • EU Supported • IAM-enabled • IBM supported

App Configuration
By IBM
Centralized, in-flight configuration for web and mobile applications and distributed environments.
Lite • Free • IAM-enabled • Service Endpoint Supported • IBM supported

App Connect
By IBM
Connect your applications, automate tasks, and improve productivity
Lite • Free • IBM supported

App ID
By IBM
User Authentication and User Profiles for your apps.
Lite • Free • EU Supported • Financial Services Validated • HIPAA Enabled • IAM-enabled • IBM supported

Type here to search

09:51 07-11-2022

Step 5: Click on Internet of Things Platform.

Catalog /

Internet of Things Platform
This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that your apps can access their live and historical data.

Create About

Type Service
Provider: IBM
Last updated: 08/15/2022
Category: Internet of Things
Compliance: IAM-enabled
Location:

Select a location
Frankfurt (eu-de)

Select a pricing plan
Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features	Pricing
Lite	Includes up to 500 registered devices, and a maximum of 200 MB of each data metric Maximum of 500 registered devices	Free

Summary

Internet of Things Platform Free

Location: Frankfurt
Plan: Lite
Service name: Internet of Things Platform-og
Resource group: Default

☒ I have read and agree to the following license agreements:
[Terms](#)

Create

Add to estimate

Type here to search

09:53 07-11-2022

Step 6: If already a lite is present delete it else u can't create another.

Internet of Things Platform

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Create | About

Type: Service

Provider: IBM

Last updated: 08/15/2022

Category: Internet of Things

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Plan: Lite

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Resource group: Default

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[Terms](#)

Create

Add to estimate

Step 7: Tick agreements and then click on create.

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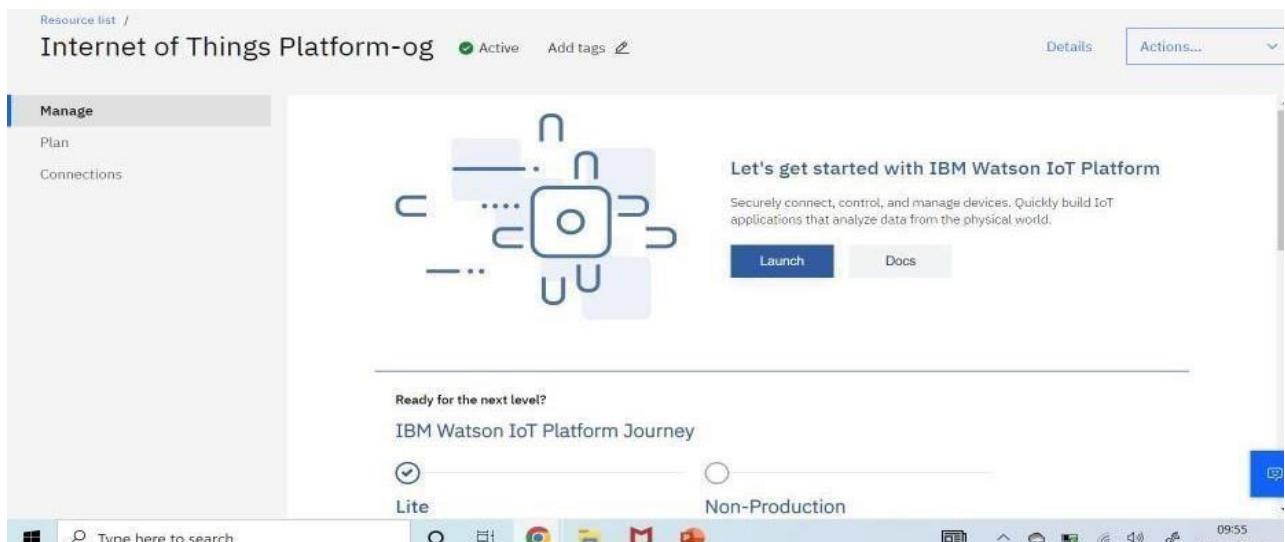
Resource group: Default

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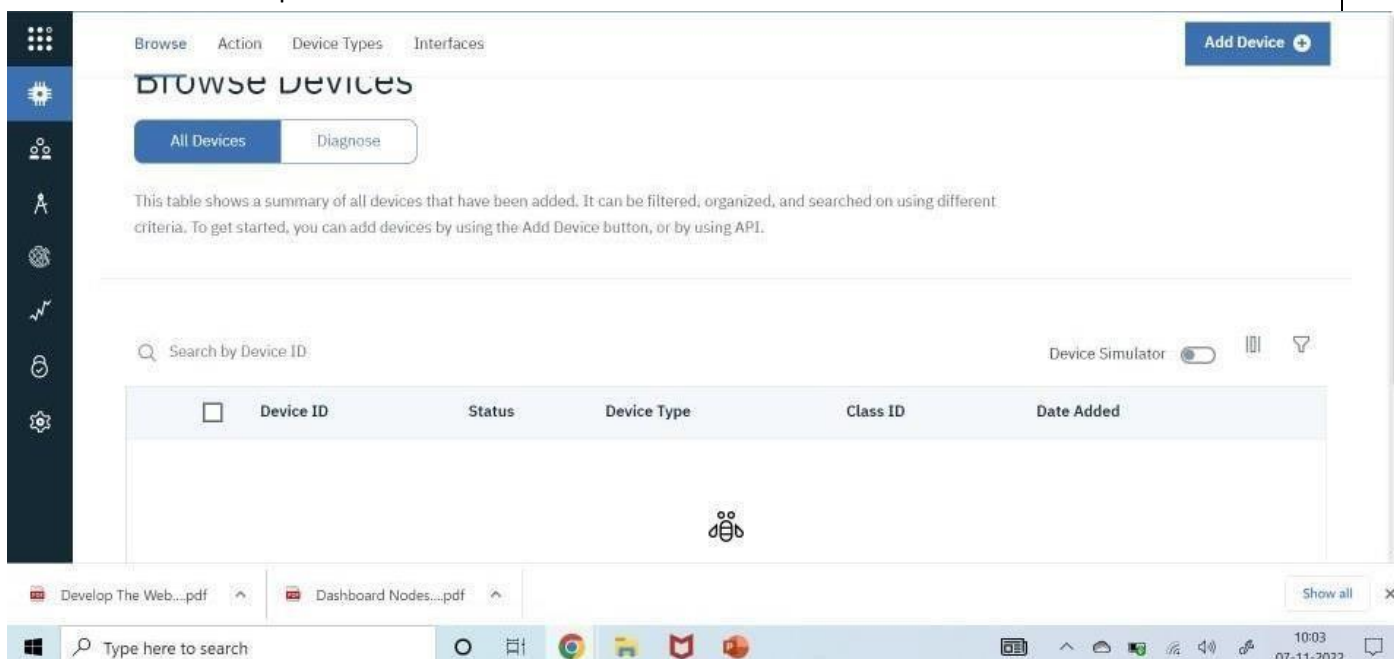
Create

Add to estimate

Step 8: Click on the launch button.



Step 9: This is the IBM Watson platform.



Step 10: Click on Add Device.

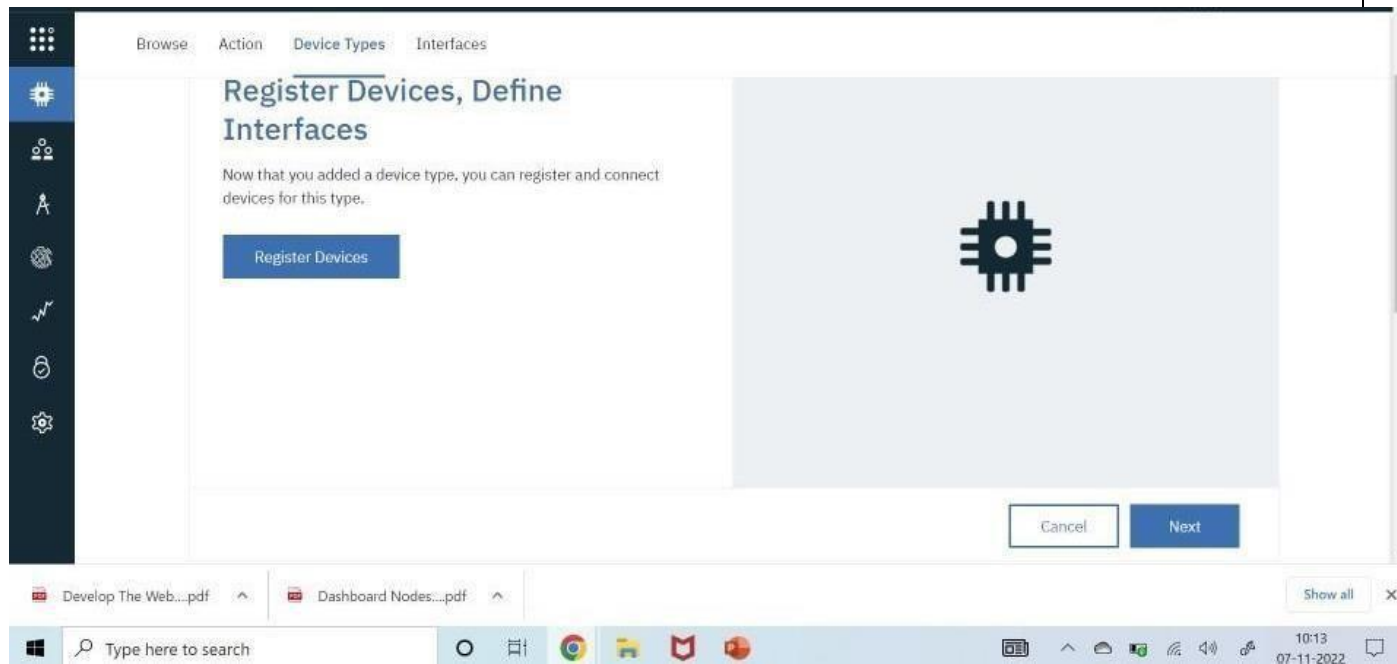
Step 11: Click on Device Type.

The screenshot shows a web application interface with a dark sidebar on the left containing various icons. The main content area has a top navigation bar with tabs: 'Browse', 'Action', 'Device Types', and 'Interfaces'. Below this is a modal window titled 'Add Device' with a close button (X) in the top right corner. Inside the modal, there is a progress bar with four steps: 'Identity' (selected), 'Device Information', 'Security', and 'Summary'. Below the progress bar, a text prompt reads: 'Select a device type for the device that you are adding and give the device a unique ID.' There are two input fields: 'Device Type' with a dropdown menu showing 'Select or create a device type...' and 'Device ID' with a text input field containing 'Enter Device ID'. At the bottom right of the modal are 'Cancel' and 'Next' buttons. The browser's taskbar at the bottom shows two open PDF files: 'Develop The Web...pdf' and 'Dashboard Nodes...pdf', along with a 'Show all' button and a close button (X).

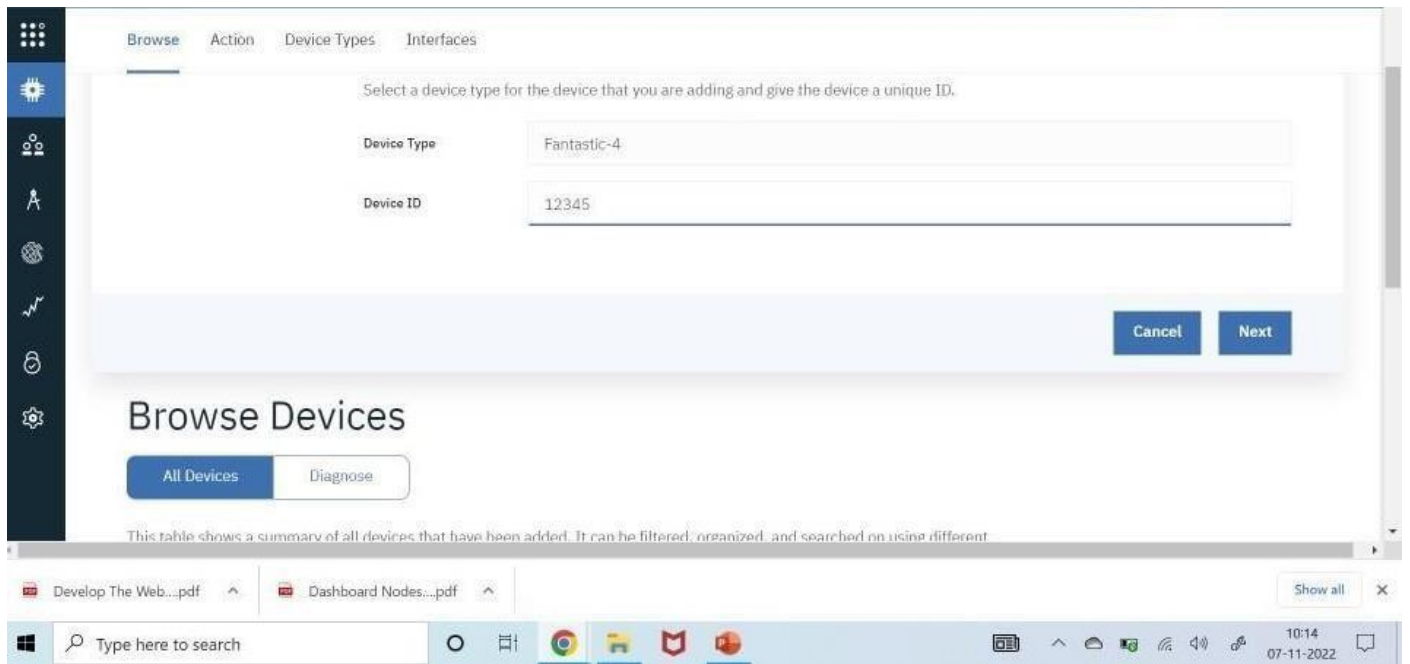
Step 12: Fill the details.

This screenshot is identical to the one above, showing the 'Add Device' dialog box in the same state. The 'Identity' step is selected in the progress bar, and the input fields for 'Device Type' and 'Device ID' are visible. The 'Next' button is highlighted in blue, indicating it is the next step in the process. The overall interface, including the sidebar, navigation tabs, and browser taskbar, remains the same.

Step 13: Click on Register Devices.

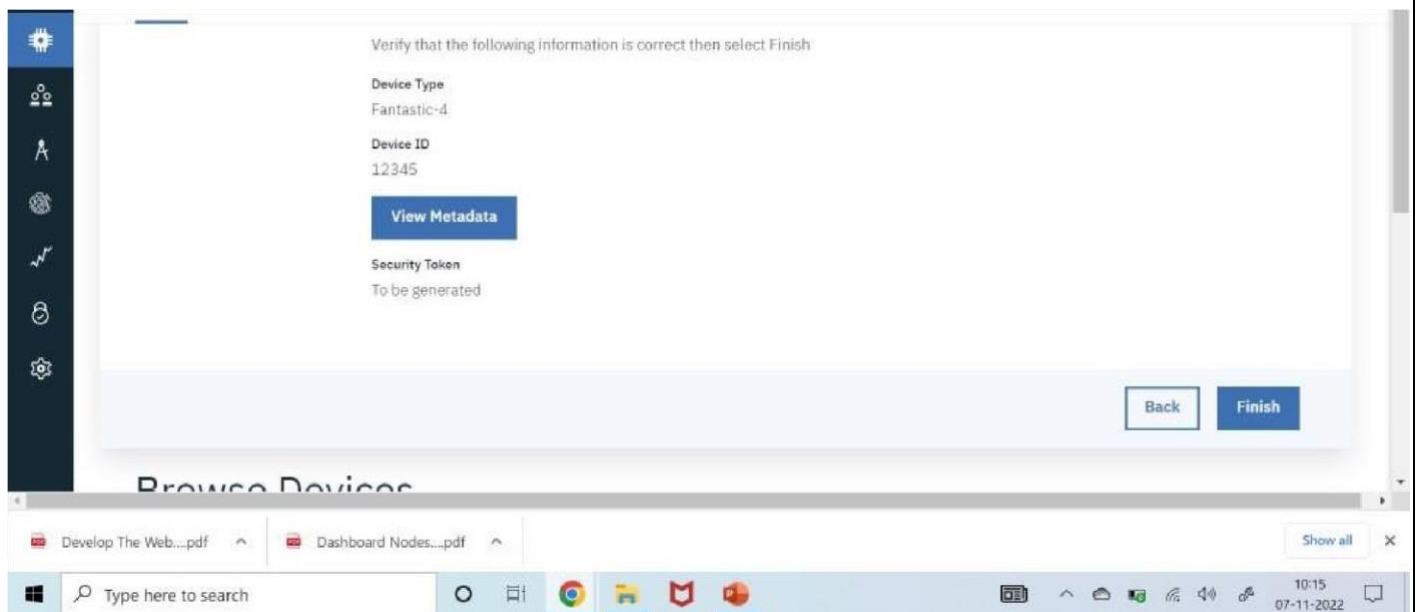


Step 14: Give the device name which you have created and give Device ID.

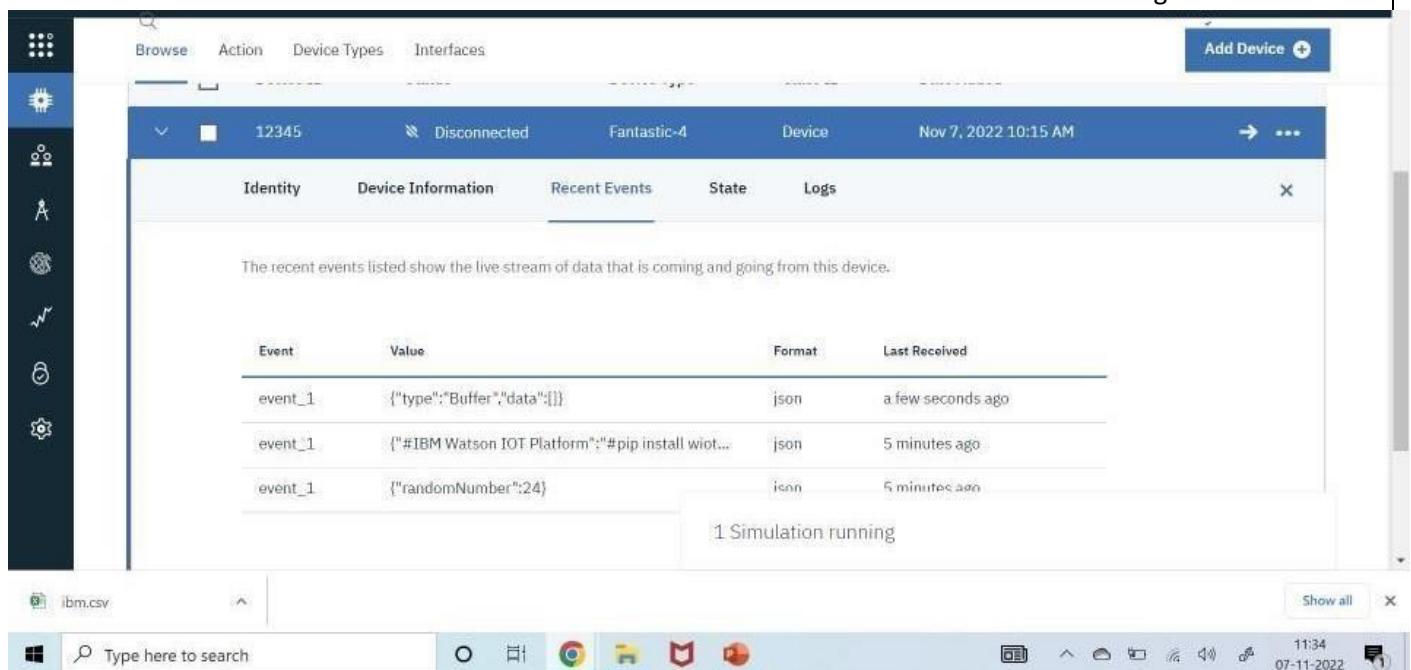


Step 15: After giving all the data, Click on Finish.

Step

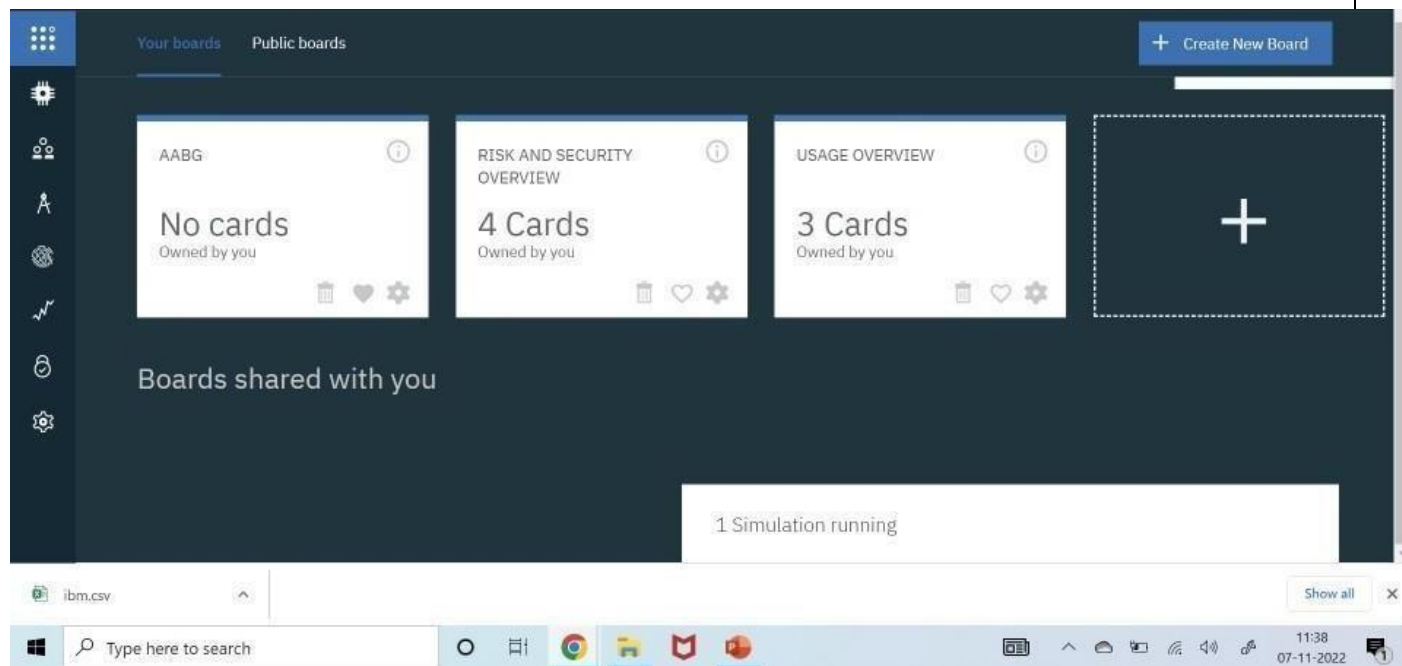


16: Go to devices then click on devices and check the recent events whether the code is running or not.

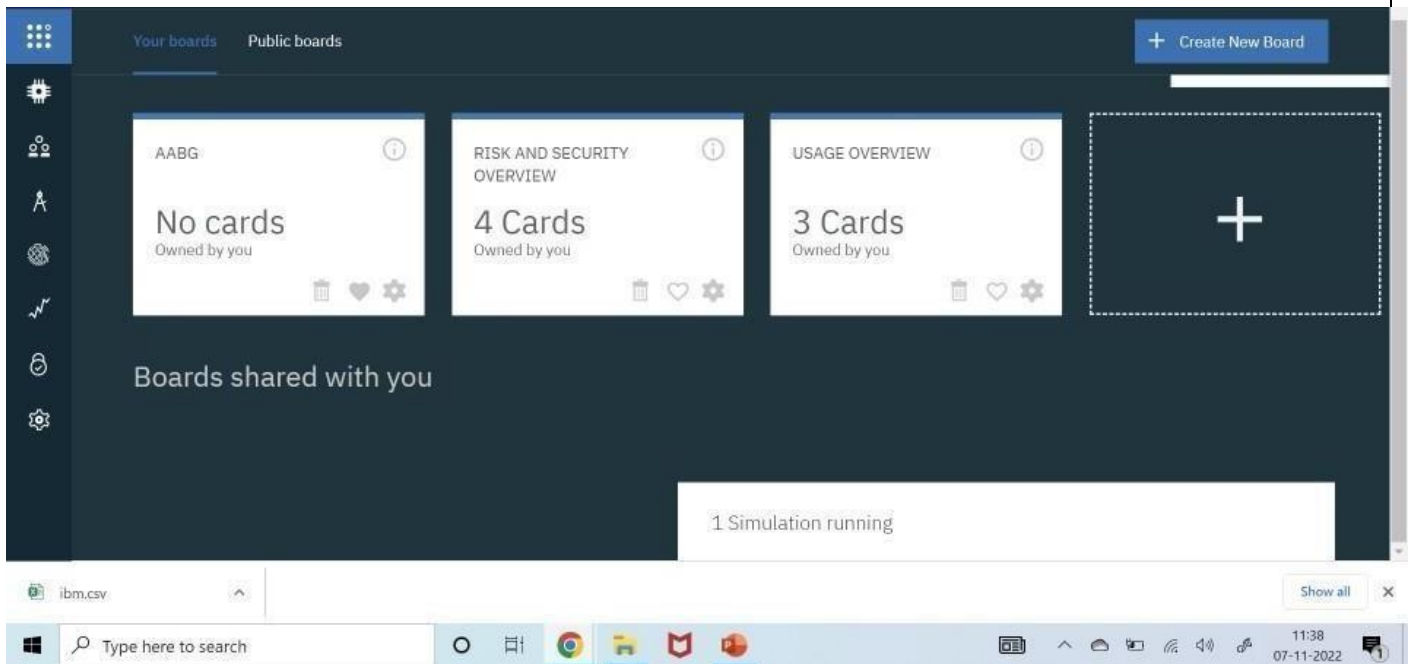


Step 17: Go to Board and click on + Create New Board, fill the details and create a board.

Step

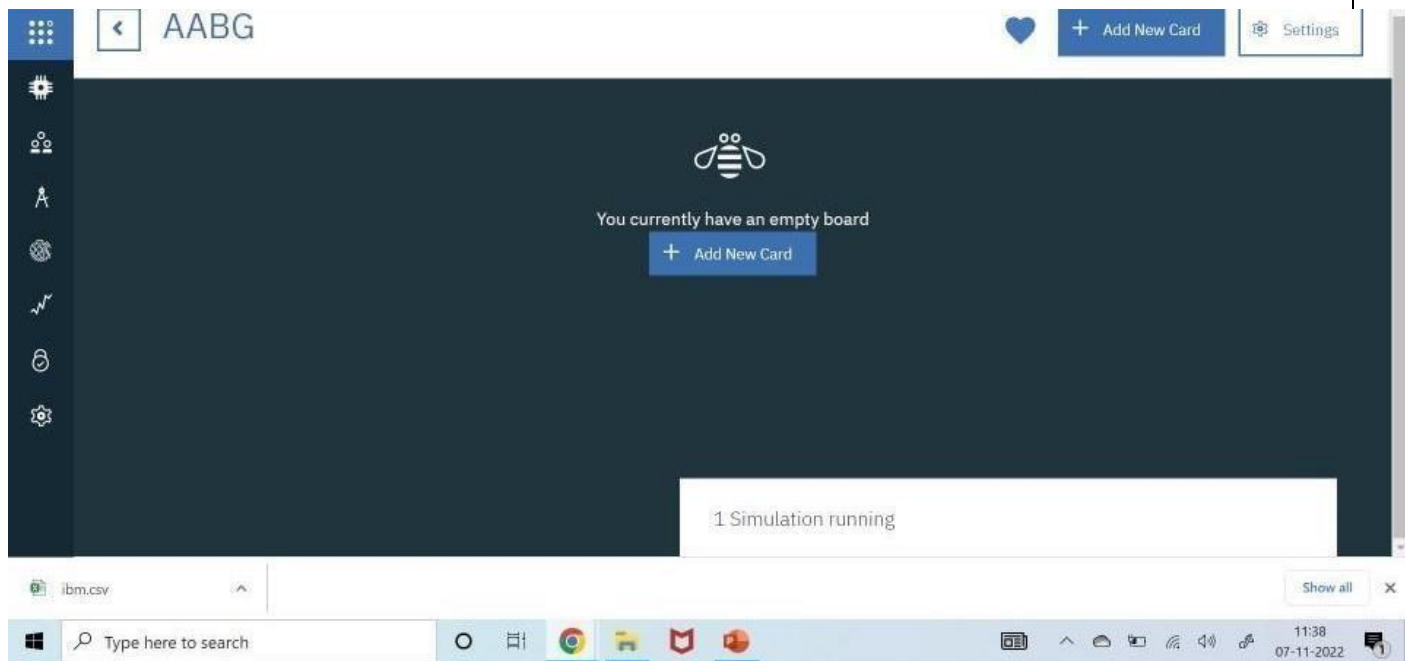


18: Click on the board which is created.



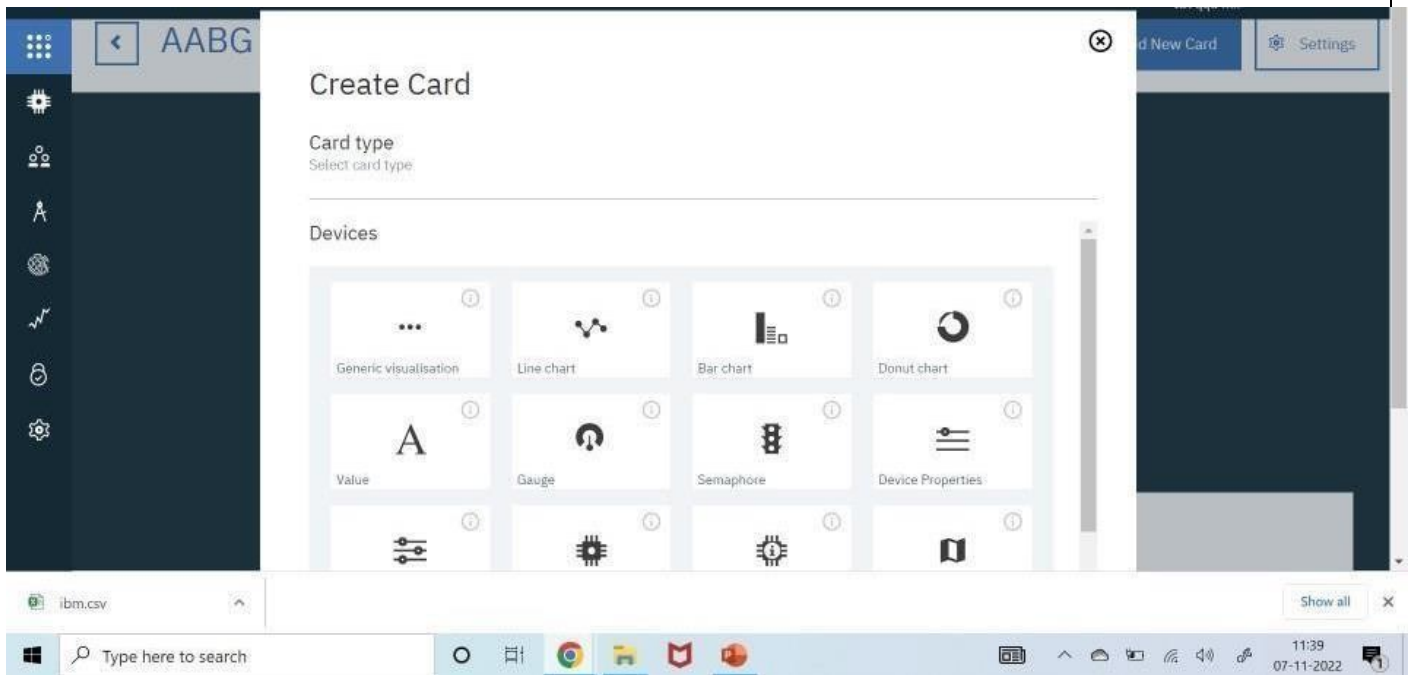
Step 19: Go Add New Card.

Step

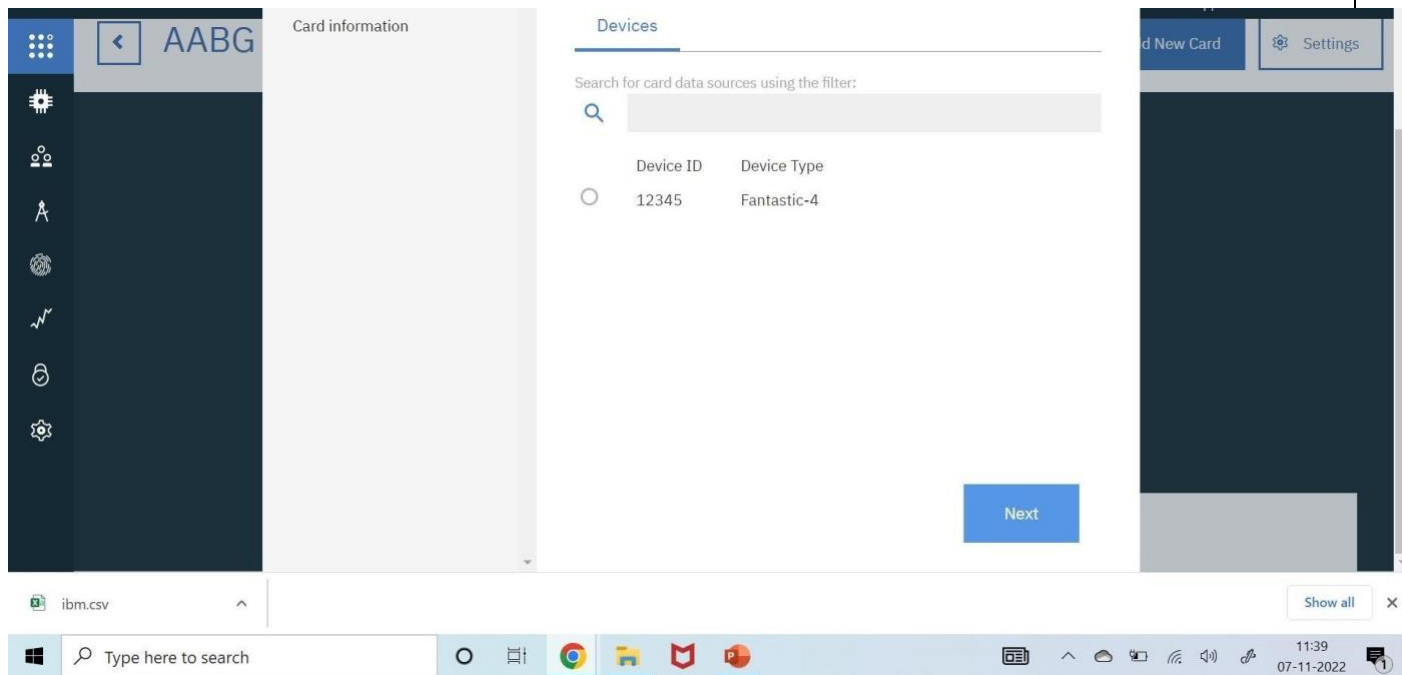


20: Choose the Card Type.

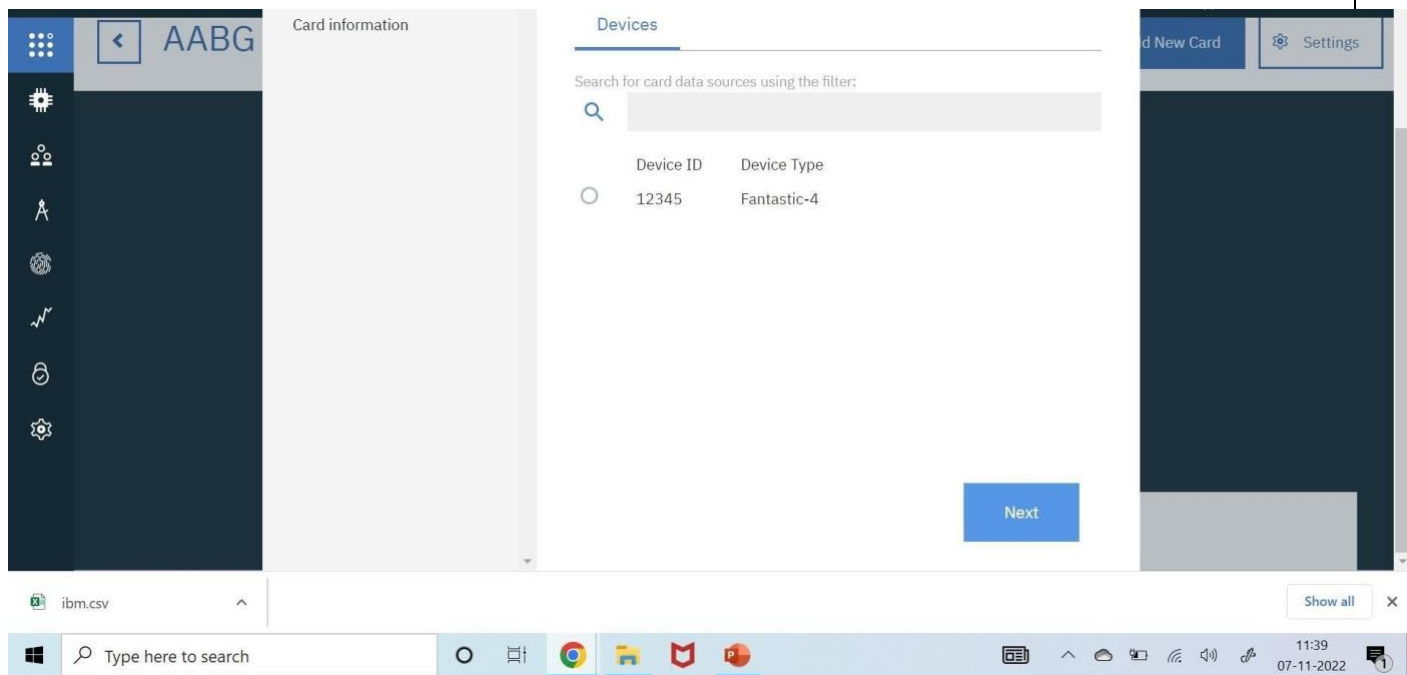
Step



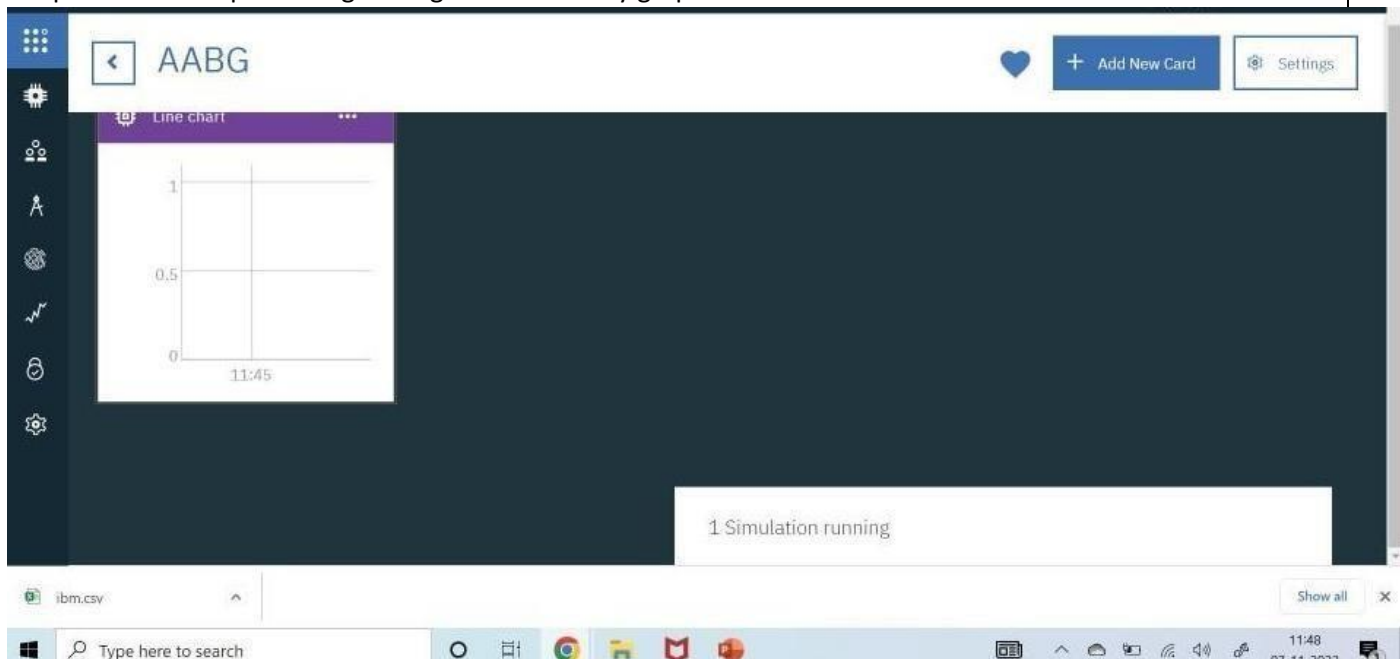
Step 21: Choose the device.



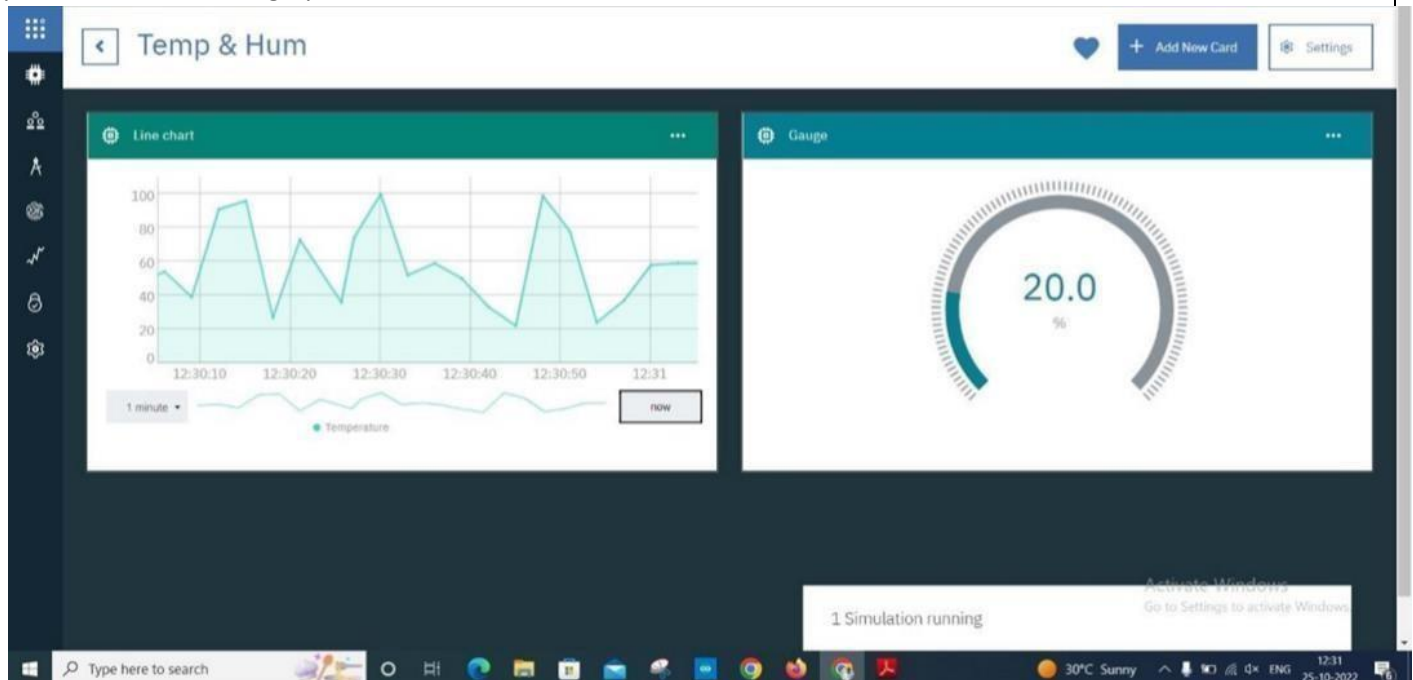
Step 22: Fill the details to get Temperature graph.



Step 23: Repeat the same process again to get the Humidity graph.



Step 24: Here is the Final graph.



Result:

An IBM Watson cloud for IoT and a device is created successfully.