**Continue building the project by developing the environmental monitoring platform. Use web development technologies (e.g., HTML, CSS, JavaScript) to create a platform that displays real-time environmental data. Design the platform to receive and display real-time temperature and humidity data from IoT devices.**

**Creating an environmental monitoring platform that displays real-time temperature and humidity data from IoT devices is an exciting project. Here's a step-by-step guide on how to build this platform using web development technologies such as HTML, CSS, and JavaScript:**

**\*\*1. Define Your Requirements:\*\***

**Before diving into development, clearly define your requirements and goals. Consider the following:**

**- What IoT devices will you be using to collect data?**

**- What type of data will these devices provide (temperature, humidity, air quality, etc.)?**

**- How frequently will data be updated?**

**- What is the intended audience for this platform (e.g., general public, scientists, etc.)?**

**\*\*2. Set Up IoT Devices:\*\***

**Connect your IoT devices (e.g., sensors or microcontrollers) to the internet and ensure they are sending data to a web server. You may use platforms like Arduino, Raspberry Pi, or commercial IoT platforms like AWS IoT or Google Cloud IoT.**

**\*\*3. Create a Web Server:\*\***

**Set up a web server to receive and process the data from your IoT devices. You can use Node.js, Python, or any other server-side technology. Store the data in a database for easy retrieval.**

**\*\*4. Front-End Development:\*\***

**Now, let's focus on the front-end development of the platform.**

**- \*\*HTML:\*\* Create an HTML file to structure the platform. Use HTML elements to define the layout of your platform, including headers, navigation bars, and the main content area.**

**- \*\*CSS:\*\* Style your platform with CSS to make it visually appealing and user-friendly. Consider using responsive design for different screen sizes.**

**- \*\*JavaScript:\*\* Use JavaScript to make your platform interactive and to fetch and display real-time data from the server.**

**\*\*5. Real-Time Data Visualization:\*\***

**To display real-time temperature and humidity data:**

**- Use JavaScript libraries like Chart.js or D3.js to create charts and graphs.**

**- Fetch data from your server at regular intervals (e.g., every few seconds) using AJAX or Fetch API.**

**- Update the charts with the new data in real-time.**

**Here's a simple example of JavaScript code to fetch and display real-time data:**

**```javascript**

**function updateData() {**

**fetch('/api/data') // Replace with your API endpoint**

**.then(response => response.json())**

**.then(data => {**

**// Update the temperature and humidity displays**

**document.getElementById('temperature').textContent = data.temperature + "°C";**

**document.getElementById('humidity').textContent = data.humidity + "%";**

**})**

**.catch(error => {**

**console.error("Error fetching data:", error);**

**});**

**}**

**setInterval(updateData, 5000); // Update data every 5 seconds**

**```**

**\*\*6. Data Security:\*\***

**Ensure that your platform is secure by implementing authentication and authorization mechanisms, especially if sensitive data is involved.**

**\*\*7. Testing:\*\***

**Thoroughly test your platform to ensure it works as expected on different devices and browsers.**

**\*\*8. Deployment:\*\***

**Deploy your platform on a web server or cloud hosting service so that it's accessible to your intended users.**

**\*\*9. Documentation:\*\***

**Create documentation for users and developers, explaining how to use the platform and how to integrate IoT devices.**

**\*\*10. Scaling and Maintenance:\*\***

**As more users and devices are added, consider scalability and plan for regular maintenance and updates.**

**Building an environmental monitoring platform involves both hardware and software components. Collaboration with hardware experts or IoT specialists may be necessary to set up the IoT devices effectively. Additionally, you may want to explore the integration of real-time alerts and notifications for critical environmental changes.**

**Remember to adhere to best practices for web development, data handling, and security to ensure a robust and reliable platform for monitoring real-time environmental data.**