Project Setup Guide

This guide provides instructions on how to set up and run this project locally on your machine.

Prerequisites

To run this project, you will need:

*   A modern web browser (e.g., Chrome, Firefox, Safari, Edge).
*   **Python** installed on your system (for running a simple local web server).

If you don't have Python, you can download it from [python.org](https://www.python.org/).

Running the Project

Due to browser security policies (`CORS`), opening the `index.html` file directly from your local file system may cause issues with loading project files. The recommended way to run this project is by using a local web server.

Using Python's built-in web server

This is the simplest method if you have Python installed.

1. **Open your terminal or command prompt.**
2. **Navigate to the project's root directory** (the `Project_CN` folder).
    ```bash
    cd path/to/Project_CN
    ```
3. **Start the local web server.**
    *   If you are using **Python 3**, run the following command:
        ```bash
        python -m http.server
        ```

    *   If you are using **Python 2**, run this command instead:
        ```bash
        python -m SimpleHTTPServer
        ```
4. **Access the project in your browser.**
    Once the server is running, you will see a message like `Serving HTTP on 0.0.0.0 port 8000 (http://0.0.0.0:8000/) ...`.

Open your web browser and navigate to:
http://localhost:8000

Your project should now be running correctly in the browser.

Alternative: Using Node.js and `live-server`

If you are a developer with Node.js installed, you can use the `live-server` package, which automatically reloads the page when you make changes.

1. **Install `live-server` globally** (if you haven't already):
    ```bash
    npm install -g live-server
    ```
2. **Navigate to the project's root directory** in your terminal.
3. **Start the server:**
    ```bash
    live-server
    ```

    This will automatically open the project in your default web browser.

Project Structure Overview

```
.
├── index.html        # The main HTML file for the entire site
├── README.md         # General project information
└── files/            # Contains all downloadable assets
    ├── SETUP.md       # This setup guide
    ├── *.pdf          # Project reports and assignments
    ├── *.pkt          # Cisco Packet Tracer simulation files
    ├── *.pptx         # Presentation files
    └── *.png          # Images used in the gallery
```

Now you are all set up to explore the projects!