

Steps to Run This Project

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

Prerequisites

- **Web Browser:** A modern web browser (like Chrome, Firefox, Edge, or Safari) with JavaScript enabled is essential.
- **Code Editor (Optional but Recommended):** Using a code editor like VS Code Sublime Text, Atom, etc., will make it easier to view the project files (Homepage2.html, CSS, JS, etc.), or you can use **XAMPP**.
- **Internet Connection:** Required for initial loading and for features like the Google Maps embed and the Open- Meteo weather widget to function correctly.

Running the Project

This project is built using client-side technologies (HTML, CSS, JavaScript). Here are the best ways to run it:

Method 1: Using a Local Development Server (Recommended)

This method ensures all features, especially those using JavaScript APIs (like the weather widget) and local storage (like accessibility preferences), work as expected. The VS Code "Live Server" extension is recommended, as mentioned in the project documentation.

1. **Install VS Code:** If you don't have it, download and install it from <https://code.visualstudio.com/>.
 2. **Install Live Server Extension:**
 - Open VS Code.
 - Go to the Extensions view (click the square icon on the left sidebar or press Ctrl+Shift+X).
 - Search for "Live Server".
 - Install the one by Ritwick Dey.
 3. **Open Project Folder:**
 - In VS Code, go to File > Open Folder...and select the root directory of this project, containing 'Homepage2.html' and other project files.
 4. **Start Live Server:**
 - Right-click on the main HTML file (Homepage2.html) in the VS Code Explorer panel.
 - Select "Open with Live Server".
- Your default browser should open automatically with the project running on a local server (e.g., <http://127.0.0.1:5500/Homepage2.html>).

Method 2: Direct File Opening (Simple Static Viewing)

You can view the basic structure and content by opening the main HTML file directly, only the static HTML, CSS, and JavaScript files (without server-side logic) can only run. Just simply open the main HTML file directly in your browser.

1. Navigate to the project directory in your file explorer.
2. Locate the 'Homepage2.html' file
3. Double-click the file, or right-click and choose "Open with" your preferred web browser.

Note: While this works for basic viewing, some JavaScript features (like fetching weather data or potentially other API interactions) might not function correctly due to browser CORS 'Cross-Origin Resource Policy' security restrictions when opening local files (file:///... protocol).

Why XAMPP/Other Servers Aren't Necessary: This project is purely client-side. It does not use server-side languages like PHP or require a backend database. Therefore, setting up a full server stack like XAMPP is not required to run this specific website.

BUT IF ONLY WANT TO VIEW IT WITHOUT LIVE SERVER AND IDE THEN:

1. **Install XAMPP:** Download and install XAMPP from <https://www.apachefriends.org/>.
2. **Start Apache:** Open the XAMPP Control Panel and start the "**Apache**" module. If you need a database, start "**MySQL**" as well.
3. **Copy Project Files:** Copy the entire project folder into the htdocs directory inside your XAMPP installation folder (e.g., C:\xampp\htdocs\).
4. **Access Project:** Open your web browser and navigate to http://localhost/folder_name/Homepage2.html (replace folder_name with the actual name you gave the folder within htdocs).

Choose the **Local Development Server (Method 1)** for the full, intended experience.