HTML 5 API's with Javascript

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What are HTML 5 API's

HTML 5 API's allow you to access local resources through the web browser.

Security and Capabilities are determined by web browser used.

Some API's require SSL. You may need to setup a web server for HTTPS. The easiest solution is to buy a domain name through CloudFlare.

Setup

Some of these examples can simply be run from your desktop without need of a server. Some require a web server with SSL.

I used a $6 droplet on Digital Ocean and installed Apache2. I then used a domain name I registered from CloudFlare to point to the server. CloudFlare DNS has SSL built in so there are no further configurations needed.

Camera

The Media Devices API allow you to access the camera for still pictures and video.

`Example: camera.html`

Geolocation

The Location API can give you the users location from the onboard GPS.

`Example: navigation.html`

Keyboard

Keyboard Event API allows you to read keyboard commands with your javascript

`Example: keyboard.html`

Accelerometer

Device Motion Event API gives you access to the users accelerometer.

Example: `accelerometer.html`

Gamepad

The Gamepad API allows you to read values from connected gamepads.

Example: `gamepad.html`

Speech Recognition

Web Speech API allows you to turn speech into text directly in the web browser.

Example: `recognition.html`

Speech Synthesizer

Web Speech API allows you to turn text into speech with Speech Synthesizer

Example: `speech.html`