**🔌 HTML APIs with JavaScript**

HTML5 provides APIs to interact with the browser and devices using JavaScript.

**🔹 Geolocation API**

<button onclick="getLocation()">Get Location</button>

<p id="output"></p>

<script>

function getLocation() {

if (navigator.geolocation) {

navigator.geolocation.getCurrentPosition(position => {

document.getElementById("output").innerText =

`Latitude: ${position.coords.latitude}, Longitude: ${position.coords.longitude}`;

});

} else {

document.getElementById("output").innerText = "Geolocation not supported.";

}

}

</script>

**🔹 Drag and Drop API**

<div id="drag1" draggable="true" ondragstart="drag(event)">Drag me</div>

<div id="dropzone" ondrop="drop(event)" ondragover="allowDrop(event)" style="width:200px;height:100px;border:1px solid black;"></div>

<script>

function allowDrop(ev) {

ev.preventDefault();

}

function drag(ev) {

ev.dataTransfer.setData("text", ev.target.id);

}

function drop(ev) {

ev.preventDefault();

const data = ev.dataTransfer.getData("text");

ev.target.appendChild(document.getElementById(data));

}

</script>

Let me know if you want this as a downloadable document or formatted presentation!

📘 **Advanced HTML Notes**

**🎵 Embedding Audio and Video Files**

You can embed multimedia directly into web pages using the `<audio>` and `<video>` tags.

**✅ Audio Example:**

```html

<audio controls>

<source src="audio-file.mp3" type="audio/mpeg">

Your browser does not support the audio element.

</audio>

```