**No.4**

Improve your web page by adding graphics, media and some other API’s such as

* Canvas
* Audio, video and plug-ins.
* API’s like geolocation, drag/drop.

**SNIPPET CODE**

1. Canvas

Text, letter

Description automatically generated

<!-- canvas; source: https://www.w3schools.com/html/html5\_canvas.asp -->

<canvas id="myCanvas" width="280" height="75" style="border:1px solid;">

</canvas>

<script>

var c = document.getElementById("myCanvas");

var ctx = c.getContext("2d");

ctx.font = "30px Fantasy";

ctx.strokeText("Welcome to Deakin",10,50);

</script>

1. Audio

A picture containing text

Description automatically generated

<!-- add music from local desktop -->

<center>

<audio controls>

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

</audio>

</center>

1. Video

Graphical user interface, website

Description automatically generated

<!-- Embed video from youtube -->

<center>

<iframe width="800" height="500" src="https://www.youtube.com/embed/IBSIckQWTVg">

</iframe>

</center>

1. Geolocation

Shape

Description automatically generatedA picture containing text

Description automatically generated

<!-- geolocation API -->

<div id="wrapper">

<center>

<br>

<button id="location-button">Get Location</button>

</center>

<div id="output"></div>

</div>

<br>

<!-- geolocation js; source: https://redstapler.co/detect-user-location-javascript/ -->

<script>

$('#location-button').click(function() {

if (navigator.geolocation) {

navigator.geolocation.getCurrentPosition(function(position) {

console.log(position);

$.get("http://maps.googleapis.com/maps/api/geocode/json?latlng=" + position.coords.latitude + "," + position.coords.longitude + "&sensor=false", function(data) {

console.log(data);

})

var img = new Image();

img.src = "https://maps.googleapis.com/maps/api/staticmap?center=" + position.coords.latitude + "," + position.coords.longitude + "&zoom=13&size=800x400&sensor=false";

$('#output').html(img);

});

}

});

</script>

1. Embed PDF

Graphical user interface, application, email

Description automatically generated

<!-- Plugin; embed PDF file from local computer -->

<h2>Unit Guide</h2>

<embed src="unit.pdf" width="600" height="400">

**Reflection**

I learned how to embed an API into a web page in this exercise. It enhances the interactivity and interest of my web pages. I will apply this for my future project