Module 2: Creating web pages with HTML5

Assignment Solution

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1. Display the web page with "USER INFORMATION" as heading using the <h1> tag and include the following fields as the form fields:

   » First Name
   » Last Name
   » Address
   » Email ID
   » date of birth - Use date field

Solution:

```
<!DOCTYPE html>
<html>
<body>
<h1> User information </h1>
<div id="form1">
<form action="" >
First name:<input type="text" name="fname" /><br/><br/>
Last name: <input type="text" name="lname" /><br/><br/>
Address: <input type="textarea" name="Address" autofocus/><br/><br/>
Email ID: <input type="email" name="Email" /><br/><br/>
Date Of Birth: <input type="date" name="DOB" /><br/><br/>
<input type="submit"/>
</form>
</div>
</body>
</html>
```

2. Write HTML script to play audio file with controls and play the audio file as soon as the web page is loaded (Note: Use autoplay option)

Solution:

```
<!DOCTYPE html>
<html>
<body>
<audio controls autoplay>
<source src="audio.mp3" type="audio/mpeg">
</audio>
</body>
</html>
```

→ Write HTML script to play video file with controls and play the video file as soon as the web page is loaded (Use autoplay option). The video has to repeat playing once it stops (Use loop option)

Solution:

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
<video id="vid" width="400" height="240"  controls autoplay loop>
<source src="vedio.mp4" type="video/mp4">
</video>
</body>
</html>
```

3. Write HTML script to display two circles (Use either Canvas or SVG)

Solution:

```
<html>
<head>
</head>
<body>
<canvas id="Canvas1" width="400" height="200" style="border:1px solid
#000000;"></canvas>
<script>
var Canvas1 = document.getElementById("Canvas1");
var context1 = Canvas1.getContext("2d");
context1.beginPath();
context1.arc(45,45,40,0,2*Math.PI);
context1.fillStyle = "#00dd00";
context1.fill();
context1.arc(195,150,40,0,2*Math.PI);
context1.fill();
</script>
</body>
</html>
```

4. Write HTML script to store your first name, last name and date of birth as part of web storage and display the stored local storage content by retrieving it

Solution:

```
<!DOCTYPE html>
<html>
<body>
<p> data stored in local Storage is : </p>
<div id="data1"></div>
<div id="data2"></div>
<div id="data3"></div>
<script>
// Check browser support
if (typeof(Storage) != "undefined") {
// Store
localStorage.setItem("FirstName", "Devyani");
localStorage.setItem("LastName", "Chaudary");
localStorage.setItem("DOB", "21-Sep-1990");
// Retrieve
document.getElementById("data1").innerHTML = "First Name : " +
localStorage.getItem("FirstName");
document.getElementById("data2").innerHTML = "Last Name : " +
localStorage.getItem("LastName");
document.getElementById("data3").innerHTML = "Date of Birth : "+
localStorage.getItem("DOB");
} else {
document.getElementById("data1").innerHTML = "No Browser support";
}
</script>
</body>
</html>
```