

University of Mauritius
Faculty of ICDT
Department of DT
ICDT6004 – Web Technologies
Labsheet 5 – CSS

Question 1

- Try all the sample codes that have been discussed in class.

Question 2

- In this question you have to investigate the background image properties. Copy and paste the following code and add some text to see what happens. You may use an image of your choice.

```
body {  
    background-image: url("banner.jpg");  
}
```

By default, the `background-image` property repeats an image both horizontally and vertically.

We can write code to make the image repeat only horizontally

```
background-repeat: repeat-x;
```

to repeat an image vertically

```
background-repeat: repeat-y;
```

and not to repeat

```
background-repeat: no-repeat;
```

Investigate the following code

```
body {  
    background: #ffffff url("img_tree.png") no-repeat right top;  
}
```

Question 3

- In this question you will investigate the css box-model and try the following code (from w3schools.com):

```
<!DOCTYPE html>  
<html>  
<head>  
<style>  
div {  
    background-color: lightgrey;  
    width: 300px;
```

```
border: 25px solid green;
padding: 25px;
margin: 25px;
}
</style>
</head>
<body>

<h2>Demonstrating the Box Model</h2>

<p>The CSS box model is essentially a box that wraps around every HTML element. It
consists of: borders, padding, margins, and the actual content.</p>

<div>This text is the actual content of the box. We have added a 25px padding, 25px margin
and a 25px green border. Ut enim ad minim veniam, quis nostrud exercitation ullamco
laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in
voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat
non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</div>

</body>
</html>
```

Question 4

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>CSS Website Layout</title>
<style>
* {
  box-sizing: border-box;
}

body {
  margin: 0;
}

/* Style the header */
.header {
  background-color: #f1f1f1;
  padding: 20px;
  text-align: center;
}

/* Style the top navigation bar */
```

```
.topnav {
    overflow: hidden;
    background-color: #333;
}

/* Style the topnav links */
.topnav a {
    float: left;
    display: block;
    color: #f2f2f2;
    text-align: center;
    padding: 14px 16px;
    text-decoration: none;
}

/* Change color on hover */
.topnav a:hover {
    background-color: #ddd;
    color: black;
}

</style>
</head>
<body>

<div class="header">
    <h1>Header</h1>
</div>

<div class="topnav">
    <a href="#">Web Technologies</a>
    <a href="#">Database Systems</a>
    <a href="#">Object Oriented Programming</a>
</div>

</body>
</html>
```