

AHSANULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY (AUST)

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Department of Computer Science and Engineering

Program: Bachelor of Science in Computer Science and Engineering

Assignment Report

Course No: CSE3100

Course Title: Software Development-IV

Date of Submission: 04/06/23

Assignment No: 01

Submitted to

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Assignment 01

Question 01: Design a webpage like the following. Required images are attached.

Question 02: Display all the prime numbers in a webpage using a table for a given range calculated through programming in PHP and apply different designing on the webpage using CSS.

Language Used:

1. HTML
2. CSS
3. PHP

Question 01:

HTML: index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>My First Project</title>
    <link rel="stylesheet" href="css/style.css" />
  </head>
  <body>
    <header>
      <h1>My First Project</h1>
    </header>
    <main>
      <div class="row">
        <div class="grid">
          <div class="image-container">
            
          </div>
          <div class="content">
            <h2>The Mind</h2>
            <p>Photoshop, Print Design</p>
          </div>
        </div>
        <div class="grid">
          <div class="image-container">
            
          </div>
          <div class="content">
            <h2>The Police</h2>
            <p>Illustration, Icons</p>
          </div>
        </div>
        <div class="grid">
          <div class="image-container">
            
          </div>
          <div class="content">
            <h2>The Glasses</h2>
            <p>Typography, Illustration</p>
          </div>
        </div>
      </div>
    </main>
  </body>
</html>
```

```

</div>
<div class="row">
  <div class="grid">
    <div class="image-container">
      
    </div>
    <div class="content">
      <h2>The Mustache</h2>
      <p>Photoshop, Icons</p>
    </div>
  </div>
  <div class="grid">
    <div class="image-container">
      
    </div>
    <div class="content">
      <h2>The Leaf</h2>
      <p>Icons, Print Design</p>
    </div>
  </div>
  <div class="grid">
    <div class="image-container">
      
    </div>
    <div class="content">
      <h2>The Shield</h2>
      <p>Illustrations, Icons</p>
    </div>
  </div>
</div>
</main>
</body>
</html>

```

CSS: style.css

```

@font-face {
  font-family: "Myriad Pro";
  src: url(fonts/MyriadPro-Regular.otf);
}

* {
  box-sizing: border-box;
}

```

```
body {
  margin: 0 2rem;
  padding: 0;
  background-color: #f2f2f2;
  font-family: "Myriad Pro", sans-serif;
}

header {
  text-align: center;
  color: #000000;
  font-family: "Myriad Pro", sans-serif;
  font-size: 2rem;
}

main {
  align-items: center;
}

.row {
  display: flex;
  flex-wrap: wrap;
  justify-content: center;
  width: 100%;
  margin: 2rem 0;
}

.grid {
  display: flex;
  flex-direction: column;
  align-items: center;
  width: calc(100% / 3 - 2rem);
  margin: 1rem;
  text-align: center;
  background-color: #ffffff;
  box-shadow: 0px 0px 10px rgba(230, 230, 230, 1);
  overflow: hidden;
}

.image-container {
  position: relative;
  width: 100%;
  height: 0;
  padding-bottom: 100%;
}
```

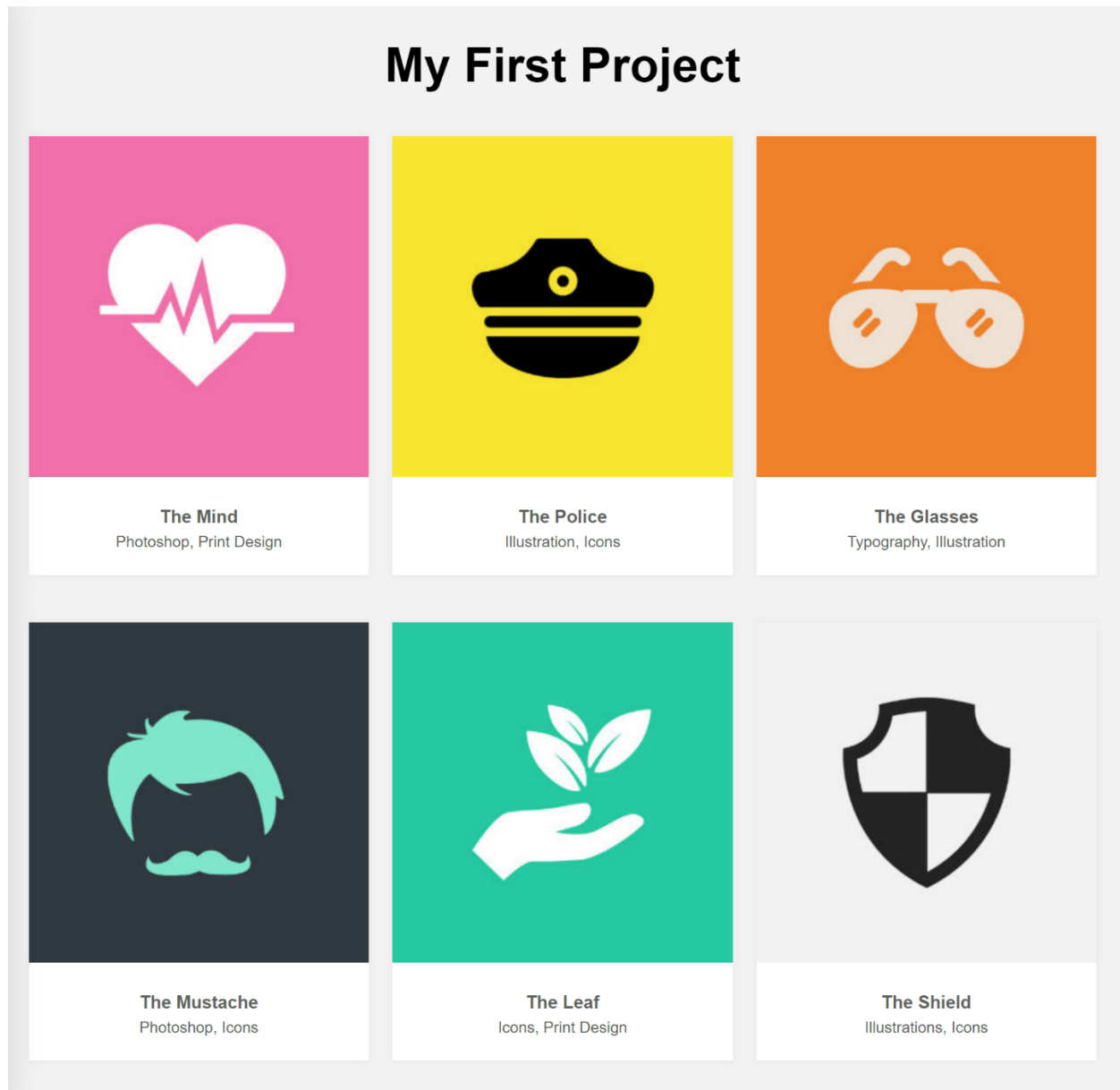
```
.image-container img {
  position: absolute;
  top: 0;
  left: 0;
  width: 100%;
  height: 100%;
  object-fit: cover;
}

.content {
  padding: 1rem;
  box-sizing: border-box;
  background-color: rgba(255, 255, 255, 0.8);
  margin: 1rem 0;
}

.content h2 {
  margin: 0.5rem 0;
  color: #5c5f5b;
  font-size: 1.5rem;
}

.content p {
  margin: 0;
  color: #585d58;
  font-size: 1.3rem;
}
```

Output:



Question 02:

PHP: index.php

```
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Prime Numbers</title>
    <link rel="stylesheet" type="text/css" href="css/style.css">
    <link
href="https://fonts.googleapis.com/css?family=Montserrat:400,700&display=swa
p" rel="stylesheet">
</head>

<body>
    <header>
        <div class="containerHeader">
            <h1>Prime Numbers Generator</h1>
            <p>Welcome to my prime number generator page</p>
            <p>Simply input a numerical limit to get all the numbers that
are prime</p>
        </div>
    </header>
    <main>
        <div class="container">
            <form method="post">
                <div class="form-group">
                    <label for="start">The starting number:</label>
                    <input type="number" id="start" name="start" required>
                </div>
                <div class="form-group">
                    <label for="end">The ending number:</label>
                    <input type="number" id="end" name="end" required>
                </div>
                <button type="submit">Generate All the Prime
Numbers</button>
            </form>

            <?php
function is_prime($num)
{
    if ($num <= 1) {
        return false;
    }
}
```



```

        for ($i = 2; $i <= sqrt($num); $i++) {
            if ($num % $i == 0) {
                return false;
            }
        }
        return true;
    }
    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        $start = $_POST["start"];
        $end = $_POST["end"];
        echo "<table>";
        echo "<tr><th>Prime Numbers from $start to $end</th></tr>";
        for ($i = $start; $i <= $end; $i++) {
            if (is_prime($i)) {
                echo "<tr><td>$i</td></tr>";
            }
        }
        echo "</table>";
    }
    ?>

</div>
</main>
<footer>
    <div class="container">
        <p>&copy; Prime Numbers Generator</p>
    </div>
</footer>
</body>

</html>

```

CSS: style.css

```

body {
    margin: 0;
    font-family: "Montserrat", sans-serif;
    font-size: 16px;
    line-height: 1.5;
    color: #333;
}

header {
    position: relative;

```

```

    background-image: url("https://images.unsplash.com/photo-1516259762381-22954d7d3ad2");
    background-size: cover;
    background-position: center;
    height: 100vh;
    display: flex;
    align-items: center;
    justify-content: center;
}

header::before {
    content: "";
    position: absolute;
    top: 0;
    left: 0;
    width: 100%;
    height: 100%;
    background-color: rgba(255, 255, 255, 0.1);
}

.containerHeader h1,
.containerHeader p {
    text-align: center;
    color: #ff7300;
    text-shadow: 0 0 10px rgba(255, 255, 0, 0.5),
        1px 1px 5px rgba(255, 255, 0, 0.5), 1px 1px 5px rgba(255, 255, 0, 0.5),
        1px 1px 5px rgba(255, 255, 0, 0.5), 1px 1px 5px rgba(255, 255, 0, 0.5),
        1px 1px 5px rgba(255, 255, 0, 0.5), 1px 1px 5px rgba(255, 255, 0, 0.5),
        1px 1px 5px rgba(255, 255, 0, 0.5), 1px 1px 5px rgba(255, 255, 0, 0.5),
        1px 1px 5px rgba(255, 255, 0, 0.5), 1px 1px 5px rgba(255, 255, 0, 0.5),
        1px 1px 5px rgba(255, 255, 0, 0.5), 1px 1px 5px rgba(255, 255, 0, 0.5);
    width: 100%;
    margin: 0 auto;
    padding: 0 1rem;
    flex-direction: column;
    align-items: center;
}

.containerHeader h1 {
    font-size: 7rem;
    margin-bottom: 2rem;
}

```

```
.containerHeader p {
  margin-top: 1rem;
  font-size: 4rem;
  font-weight: 600;
}

main {
  background-image: url("https://iphoneswallpapers.com/wp-content/uploads/2022/11/3D-Numbers-iPhone-Wallpaper-HD.jpg");
  background-size: cover;
  background-position: center;
  padding: 4rem 0;
}

.container {
  max-width: 800px;
  margin: 0 auto;
  padding: 0 1rem;
}

form {
  background-color: #fff;
  padding: 2rem;
  border-radius: 10px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.2);
}

.form-group {
  margin-bottom: 1rem;
}

label {
  display: block;
  font-size: 1.2rem;
  font-weight: 700;
  margin-bottom: 0.5rem;
}

input[type="number"] {
  padding: 0.5rem;
  font-size: 1.2rem;
  border-radius: 5px;
  border: none;
  box-shadow: 0 0 5px rgba(0, 0, 0, 0.2);
}
```

```
width: 100%;
margin-bottom: 1rem;
}

button[type="submit"] {
  background-color: #333;
  color: #fff;
  padding: 0.5rem 1rem;
  font-size: 1.2rem;
  border: none;
  border-radius: 5px;
  cursor: pointer;
  transition: background-color 0.2s ease-in-out;
  width: 100%;
}

button[type="submit"]:hover {
  background-color: #555;
}

table {
  width: 100%;
  max-width: 800px;
  margin: 2rem auto;
  border-collapse: collapse;
  border-radius: 10px;
  overflow: hidden;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.2);
}

th {
  background-color: #333;
  color: #fff;
  font-weight: 700;
  padding: 1rem;
  text-align: center;
}

td {
  background-color: #fff;
  padding: 1rem;
  text-align: center;
}

tr:nth-child(even) {
```

```
    background-color: #f2f2f2;
}

footer {
    background-color: #333;
    color: #fff;
    padding: 1rem 0;
    text-align: center;
}

footer p {
    margin: 0;
    font-size: 1.2rem;
    font-weight: 400;
}
```

Output:

Prime Numbers Generator

Welcome to my prime number generator page

Simply input a numerical limit to get all the numbers that are prime

The starting number:

The ending number:

Generate All the Prime Numbers

Prime Numbers from 1 to 100

2
3
5
7
11
13
17
19
23
29
31
37
41
43
47
53
59
61
67
71
73
79
83
89
97