

Report Project 2023-03-16

Tasks

1. Create a responsive page containing the contents of the three first exercises
2. The page will contain a menu with
 - a. the number of exercises (left part)
 - b. Description of the page (right side)
 - c. Execution of the page after pressing a button (right side)

Responsive Web Design is about using HTML and CSS to automatically resize, hide, shrink, or enlarge, a website, to make it look good on all devices (desktops, tablets, and phones):

In order to create a responsive web site I added a tag in the header:

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

This will set the viewport of the page, which will give the browser instructions on how to control the page's dimensions and scaling.

Then I created 3 different <div> one for the title:

```
<div style="background-color:#d0c78e;padding:15px;text-align:center;">
  <h1>Advanced Internet Programming Project</h1>
</div>
```

One for the footer:

```
<div style="background-color:#d0c78e;text-align:center;padding:10px;margin-top:7px;">k-6999 Vincenzo Murro</div>
```

And one (with overflow set to auto in order to organize the page in a better way) that contain 3 more <div> for the menu, the description and the right part :

```
<div style="overflow:auto">
  <div class="menu">
    <a href="..\Project 1\index.html">Project n.1</a>
    <a href="..\Project 2\index.html">Project n.2</a>
    <a href="..\Project 3\index.html">Project n.3</a>
  </div>

  <div class="main">
    <h2>Project:</h2>
```

```

    <div class="right">
      <h2>About the page:</h2>
      <p>This is a responsive web page, this means that we are creating a web
pages that look good on all devices
A responsive web design will automatically adjust for different screen sizes and
viewports.</p>
    </div>
  </div>

```

As it is possible to see from the previous code in the “menu” part I used the tag `` in order to create the link with the other projects.

For the CSS part I used the box-sizing: border-box for everything.

```

* {
  box-sizing: border-box;
}

```

border-box tells the browser to account for any border and padding in the values you specify for an element's width and height.

I also specified the style for each div class:

```

.menu {
  float: left;
  width: 20%;
  text-align: center;
}

.menu a {
  background-color: #f38d8d;
  padding: 8px;
  margin-top: 7px;
  display: block;
  width: 100%;
  color: black;
}

.main {
  float: left;
  width: 60%;
  padding: 0 20px;
}

.right {
  background-color: #f38d8d;
  float: left;
}

```

```
width: 20%;
padding: 15px;
margin-top: 7px;
text-align: center;
}
```

And in order to visualize this site also on mobile phone I used media queries That resize the browser window to see that the three div elements will display horizontally on large screens and stack vertically on small screens.

```
@media only screen and (max-width: 620px) {
  /* For mobile phones: */
  .menu, .main, .right {
    width: 100%;
  }
}
```

At the end to come back to the main page when we click on a link of one project I created a button in each project page to come back called “Home page”:

```
<a href="..\Project 4\index.html"><button>Home page</button></a><br>
```

Final result:



After click on Project n.1:

Project 1

127.0.0.1:5500/Project%201/index.html

Home page

PROJECT N.1 VINCENZO_MURRO

First name	First name:
Last name	Last name:
Age	17
Sex	<input type="radio"/> Male <input type="radio"/> Female
Hobby	<input type="checkbox"/> Soccer <input type="checkbox"/> Basket <input type="checkbox"/> Hockey <input type="checkbox"/> Running <input type="checkbox"/> Others
OK	Cancel

After click on Project n.2:

Project 2

127.0.0.1:5500/Project%202/index.html

Home page

PROJECT N.1 VINCENZO_MURRO

First name	First name:
Last name	Last name:
Age	17
Sex	<input type="radio"/> Male <input type="radio"/> Female
Hobby	<input type="checkbox"/> Soccer <input type="checkbox"/> Basket <input type="checkbox"/> Hockey <input type="checkbox"/> Running <input type="checkbox"/> Others
OK	Cancel

After click on Project n.3:

Project 3

127.0.0.1:5500/Project%203/index.html

Home page

Insert number of random number to be sorted:

Random number generated:

Bubble sorted numbers:

Time elaboration:

Quick sorted numbers:

Time elaboration:

Generate Bubble Quick

