

Advanced internet programming

Project no. 7 – jQuery

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Given task

- Use the jQuery in order to innovate your main website.

What is jQuery?

jQuery is essentially a JavaScript library that allows one to manipulate and traverse HTML document, handle events, animations, Ajax in a much simpler way. The API works with multitude of browsers. Thanks to this technology, one can easily create much more pleasing and interactive webpages.

jQuery application

In case of application, I have used jQuery in order to redesign one of my first webpage projects, which included the first 3 projects I have done on the AIP course.

```
<script>
$(document).ready(function(){
    $("button").click(function(){
        $("#div1").fadeIn();
        $("#div2").fadeIn("slow");
        $("#div3").fadeIn(3000);
    });
});
</script>
```

By creating that script, I was able to add a fade in effect to one of the menu's of my choice. I have added it to the menu which had the links to the previous projects in it.

```
<div class="menu">
  <button>Projects menu</button><br><br>
  <div id="div1" style="width:375px;height:80px;display:none;background-color: lightgray;"><a href="P01\A
  <div id="div2" style="width:375px;height:80px;display:none;background-color: lightsteelblue;"><a href="
  <div id="div3" style="width:375px;height:80px;display:none;background-color: lightslategrey;"><a href="
</div>
```

By adding the assigned in script div id's with style definition and a little of fitting, I was able to redesign the menu to look like this:



Another implementation was changing the main body to be inside a slide effect, so it looks like a drop down menu.

```
<script>
  $(document).ready(function(){
    $("#flip").click(function(){
      $("#panel").slideDown("slow");
    });
  });
</script>

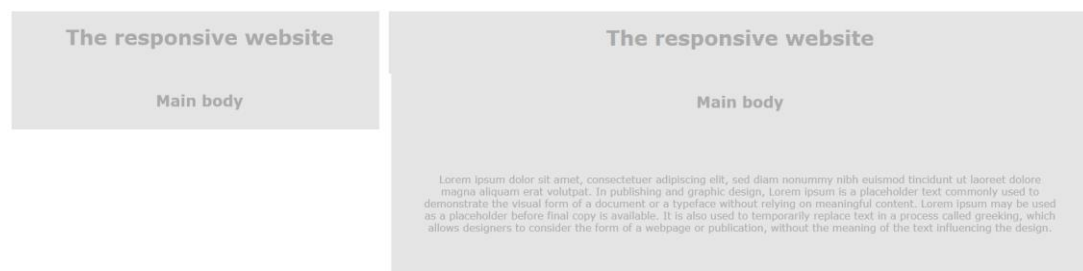
<style>
#panel, #flip {
  padding: 9.5px;
  text-align: center;
  background-color: #e5e5e5;
  border: solid 1px #e5e5e5;
}

#panel {
  padding: 50px;
  display: none;
}
</style>
```

There, I defined a flip, and a panel that would slide down when the flip was clicked upon. The style of the menu has also been defined.

```
<div class="main">
  <div id="flip"><h2>Main body</h2></div>
  <div id="panel"><p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod</p></div>
```

The last part was to include the contents of the field inside flip and panel respectively.



This is how the end product looks like.