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	Date: 28 September 2022	Unit 2 Assignment Exercise

PROBLEM STATEMENT1 (for odd number SRNs):

a) Refer the screenshot given below. Insert a video element for Movie/game trailer along with a review rating using SVG elements.

b) Create a Div element which contains a header element for displaying “Halo 2 video game” and also a paragraph element for displaying “price $50.00”. Both header and paragraph elements are registered for click event. When the paragraph element is clicked, display a popup message saying that “Hurry up, discount sale is going on!!!” and when the header element is clicked display the game details using addEventListener() **default phase**.

II. Write jQuery code to accomplish the following:

1.Create a div and paragraph element in your own way using CSS.

2.Remove the div style applied in step 1 and add a new style and modify the content in the paragraph using jQuery methods

3. Add a list element of your own style and toggle between fading in and fading out a list element on a Button click.

4. Using Ajax retrieve only author name from XML file which has bookstore data

Note: the sample screenshot of output is just for your reference. You have to design your own template.

OBJECTIVE

The objective of this exercise is to test the student on HMTL and JavaScript. It evaluates the student’s knowledge on HTML5 and jQuery/JavaScript for DOM, events, event handling CSS Styles,

AJAX

PREREQUISITE

In order to complete this exercise, the student needs to understand the fundamentals of HTML5,JavaScript and jQuery.

SAMPLE SCREENSHOT OF OUTPUT (Just for your reference)

SAMPLE1:

PROGRAM

PART 1:(HTML)

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible"
content="IE=edge">
    <meta name="viewport" content="width=device-
width, initial-scale=1.0">
    <title>Steam Game Store</title>
```

```
<!-- <script type="text/javascript" ></script> -->
<style>
 body {
  background-image: url("/halo-mcc.jpg");
  height: 100%;
  color: aliceblue;
 }


 main {
  display: flex;
  position: relative;
  top: 10%;
  margin: 12px;
 }
 video {
  width: 820px;
  height: 460px;
  border: 1px solid black;
  box-shadow: 4px 4px whitesmoke;
 }
 div.video {
  display: inline;
 }

 div#heading {
  position: relative;
  left: 2.5%;
  font-family: sans-serif;
 }

 #price{
```

```
  font-size: 21px;
}

header {
  display: inline;
}

header:hover {
  text-shadow: 2px 1px 1.5px rgb(255, 179, 0);
}

.sale {
  font-size: 28px;
  color: crimson;
  font-weight: bold;
}

#heading {
  padding: 20px;
  height: auto;
  text-align: justify;
  width: 465px;
  display: inline;
  position: relative;
  top: 10%;
  border: 4px solid white;
  border-radius: 8px;
}

#rating {
  height: 90px;
}
```

```
    #features {
      background-color: black;
      padding: 10px;
      margin-top: 25px;
      width: 1340px;
      position: relative;
      left: 1%;
      border: 4px solid whitesmoke;
      border-radius: 8px;
      overflow: scroll;
      display: flex;
    }

    #comments {
      position: relative;
      margin: 20px;
    }

    a:link, a:visited {
      color: coral;
    }

    #ctext {
      color: antiquewhite;
      background-color: black;
      font-size: 21px;
    }
   </style>
</head>
<body onload="init()">
  <!-- Using SVG Sprites -->
```

```
  <svg id="stars" style="display: none;" version="1.1">
    <symbol id="stars-full-star" viewBox="0 0 102 18">
      <path d="M9.5 14.25l-5.584 2.936 1.066-
6.218L.465 6.564l6.243-.907L9.5 0l2.792 5.657
6.243.907-4.517 4.404 1.066 6.218" />
    </symbol>

    <symbol id="stars-half-star" viewBox="0 0 102 18">
      <path d="M9.5 14.25l-5.584 2.936 1.066-
6.218L.465 6.564l6.243-.907L9.5 0l2.792"
fill="#ffba01" />
    </symbol>

    <symbol id="stars-all-star" viewBox="0 0 102 18">
      <use xlink:href="#stars-full-star" />
      <use xlink:href="#stars-full-star"
transform="translate(21)" />
      <use xlink:href="#stars-full-star"
transform="translate(42)" />
      <use xlink:href="#stars-full-star"
transform="translate(63)" />
      <use xlink:href="#stars-full-star"
transform="translate(84)" />
    </symbol>

    <symbol id="stars-0-0-star" viewBox="0 0 102 18">
      <use xlink:href="#stars-all-star" fill="#9b9b9b" />
    </symbol>

    <symbol id="stars-0-5-star" viewBox="0 0 102 18">
      <use xlink:href="#stars-0-0-star" />
      <use xlink:href="#stars-half-star" />
```

```
    </symbol>

    <symbol id="stars-1-0-star" viewBox="0 0 102 18">
      <use xlink:href="#stars-0-0-star" />
      <use xlink:href="#stars-full-star" fill="#ffba01" />
    </symbol>

    <symbol id="stars-1-5-star" viewBox="0 0 102 18">
      <use xlink:href="#stars-1-0-star" />
      <use xlink:href="#stars-half-star"
transform="translate(21)" />
    </symbol>

    <symbol id="stars-2-0-star" viewBox="0 0 102 18">
      <use xlink:href="#stars-1-0-star" />
      <use xlink:href="#stars-full-star" fill="#ffba01"
transform="translate(21)" />
    </symbol>

    <symbol id="stars-2-5-star" viewBox="0 0 102 18">
      <use xlink:href="#stars-2-0-star" />
      <use xlink:href="#stars-half-star"
transform="translate(42)" />
    </symbol>

    <symbol id="stars-3-0-star" viewBox="0 0 102 18">
      <use xlink:href="#stars-2-0-star" />
      <use xlink:href="#stars-full-star" fill="#ffba01"
transform="translate(42)" />
    </symbol>

    <symbol id="stars-3-5-star" viewBox="0 0 102 18">
```

```
      <use xlink:href="#stars-3-0-star" />
      <use xlink:href="#stars-half-star"
transform="translate(63)" />
    </symbol>

  </svg>
  <main>
    <div class="video">
      <video controls id="trailer" poster="/poster.jpg"
muted>
          <source src="/trailer.mp4" type="">
          <h3>Video Not Supported</h3>
      </video>
    </div>
    <div id="heading">
      <header><h1>Halo 2 Video Game</h1></header>
      <p id="details"></p>
      <p id="price">Price $50.00</p>
      <p class="sale">On Sale! $40</p>
      <div id="rating">
        <svg class="icon">
          <use xlink:href="#stars-3-5-star">
        </svg>
      </div>
      <p class="sale">Hurry Only 9 Left!</p>
    </div>

  </main>
  <div id="features">
    <div>
      <h3>Game Features:</h3>
    <ul>
```

```
    <li>PC Settings/Optimizations: Halo 2: Anniversary is now optimized for PC and looking better than ever at up to 4k UHD and at 60+ FPS.* Other PC native settings include customizable mouse and keyboard support, ultrawide support, FOV customization, and more. </li><br>
    <li>Campaign: Experience the next chapter in the Halo saga and fight your way through 15 unforgettable missions. Play as both Spartan-117, the Master Chief, and for the first time, the Covenant Elite, known as the Arbiter, and experience the Human-Covenant Conflict in a whole new way. </li><br>
    <li>Anniversary Edition/Update: Toggle between the remastered graphics in the Anniversary edition and the graphics from the original Halo 2 campaign. In the Anniversary edition, view Blur Studio’s spectacularly remastered cutscenes from the original Halo 2 game. </li><br>
    <li>Multiplayer: Continue your Halo adventure with 7 remastered multiplayer maps from Halo 2: Anniversary and 25 multiplayer maps from the original Halo 2, featuring a completely updated progression system.</li><br>
  </ul></div>
  <div id="comments">
    <p><a href="#">Write Reviews</a> | <a href="#">Read all Reviews</a></p>
    <textarea name="ctext" id="ctext" cols="30" rows="10" placeholder="Enter Comments Here"></textarea>
  </div>
```

```
  </div>
   <script>
    function init() {
      clip = document.querySelector("#trailer");
      clip.addEventListener("mouseover",function() {
         clip.play();
      })

document.querySelector("header").addEventListener("cl
ick",function(){

document.querySelector("#details").innerHTML="a
2004 first-person shooter game developed by Bungie
and published by Microsoft Game Studios for the Xbox
console. The game features new weapons, enemies, and
vehicles, and shipped with online multiplayer via
Microsoft's Xbox Live service. In Halo 2's story mode,
the player assumes the roles of the human Master Chief
and alien Arbiter in a 26th-century conflict between the
United Nations Space Command, the genocidal
Covenant, and the parasitic Flood."
       })

document.querySelector(".sale").addEventListener("clic
k",function(){
         alert("Hurry up, discount sale is going on!!!");
       })
    }
   </script>
</body>
</html>
```

PART 2: (JQuery)

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Jquery Code</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js">
</script>
    <style>
        div {
            margin: 10px;
            margin-top: 20px;
            position: sticky;
            border: 2px solid black;
            padding: 10px;
            border-radius: 8px;
        }
        #para1 {
            color: chocolate;
            font-size: 28px;
            font-family: 'Gill Sans';
        }
        button{
            padding: 10px;
            margin: 10px;
            font-size: 18px;
```

```
        }
    </style>
</head>
<body>
    <div id="div1">
        <p id="para1">Intro To JQuery:</p>
    </div>
    <br>
    <div id="div2">
        <h3>The jQuery library contains the following features:</h3>
        <ul id="list">
            <li>HTML/DOM manipulation</li>
            <li>CSS manipulation</li>
            <li>HTML event methods</li>
            <li>Effects and animations</li>
            <li>AJAX</li>
            <li>Utilities</li>
        </ul>
        <button id="view">View</button>
    </div>
    <div id="data">
        <h3>Authors data:</h3>
        <p id="res"></p>
        <button id="get">Get Authors</button>
    </div>
    <script>
        $(document).ready(function(){
            $("#div1").css("background","black");
            $("#div1").css("color","white");
            $("#div2").css("background","black");
            $("#div2").css("color","white");
            $("#data").css("background","black");
            $("#data").css("color","white");
```

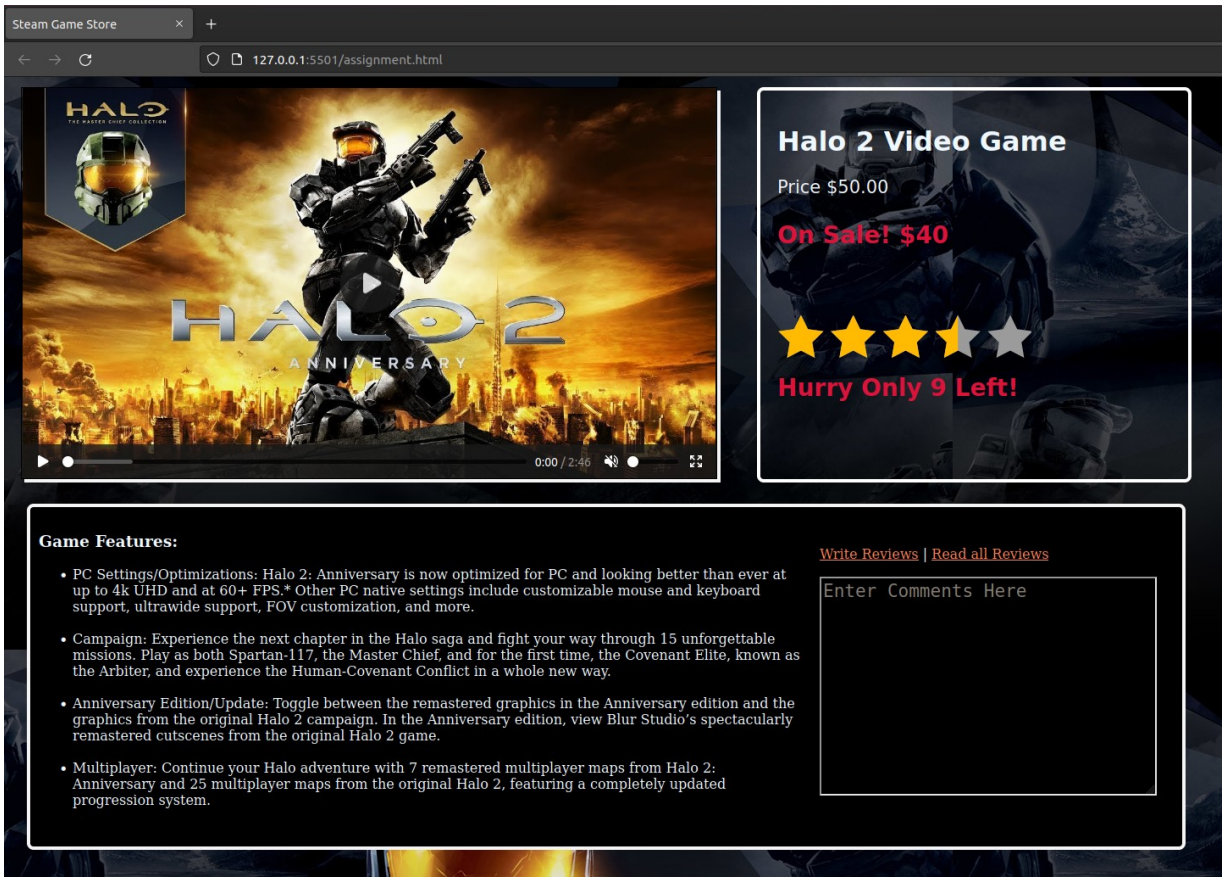
```
        $("#para1").append("<ul><li>JQuery is a JavaScript
Library</li><li>jQuery greatly simplifies JavaScript
programming</li><li>jQuery is easy to
learn</li></ul>").css("color","white");
        $("#list").hide()
        $("#view").click(function(){
            $("#list").toggle();
        })
        $("#get").click(function(){
        $.ajax(
            {
                url:"http://localhost/unit2_server/assignment/books.xml",
                dataType: 'xml',
                success: function(result){
                $(result).find("Author").each(function(){
                    $("#res").append(this)
                    $("#res").append("<br>");
                })
            }});
        });
    })
  </script>
</body>
</html>
```

XML File:

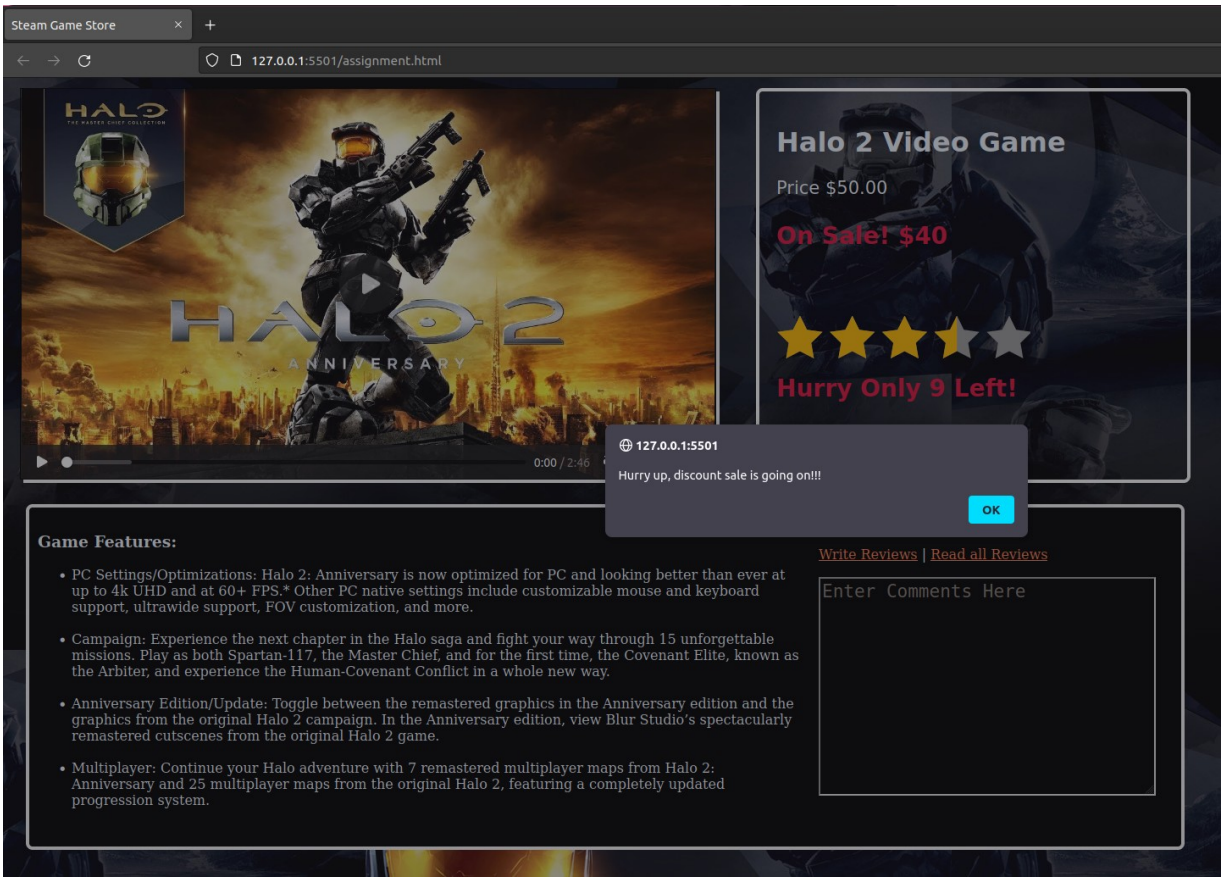
```
<?xml version="1.0"?>
<Catalog>
  <Book id="bk101">
    <Author>Garghentini, Davide</Author>
    <Title>XML Developer's Guide</Title>
    <Genre>Computer</Genre>
    <Price>44.95</Price>
    <PublishDate>2000-10-01</PublishDate>
    <Description>An in-depth look at creating applications
    with XML.</Description>
  </Book>
  <Book id="bk102">
    <Author>Garcia, Debra</Author>
    <Title>Midnight Rain</Title>
    <Genre>Fantasy</Genre>
    <Price>5.95</Price>
    <PublishDate>2000-12-16</PublishDate>
    <Description>A former architect battles corporate
zombies,
    an evil sorceress, and her own childhood to become queen
    of the world.</Description>
  </Book>
</Catalog>
```

SCREENSHOT OF YOUR OUTPUT

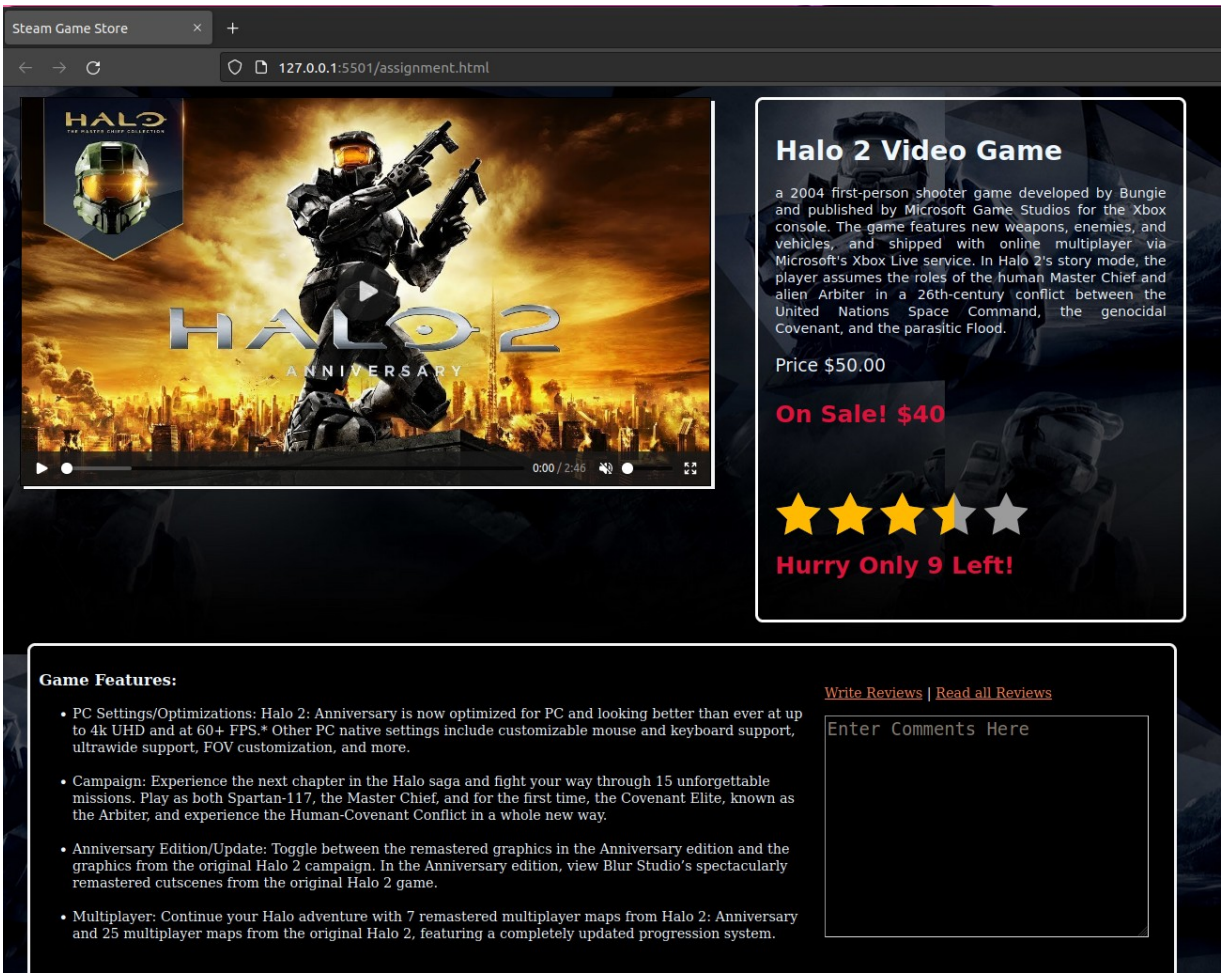
Website:



On clicking para element:(on sale)

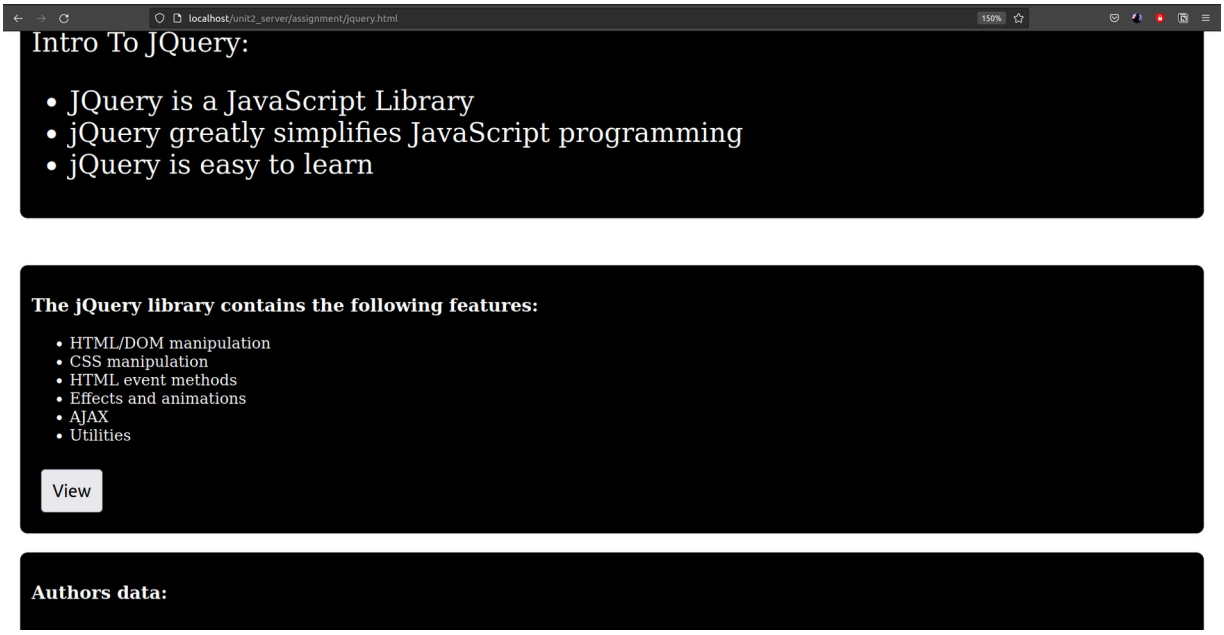
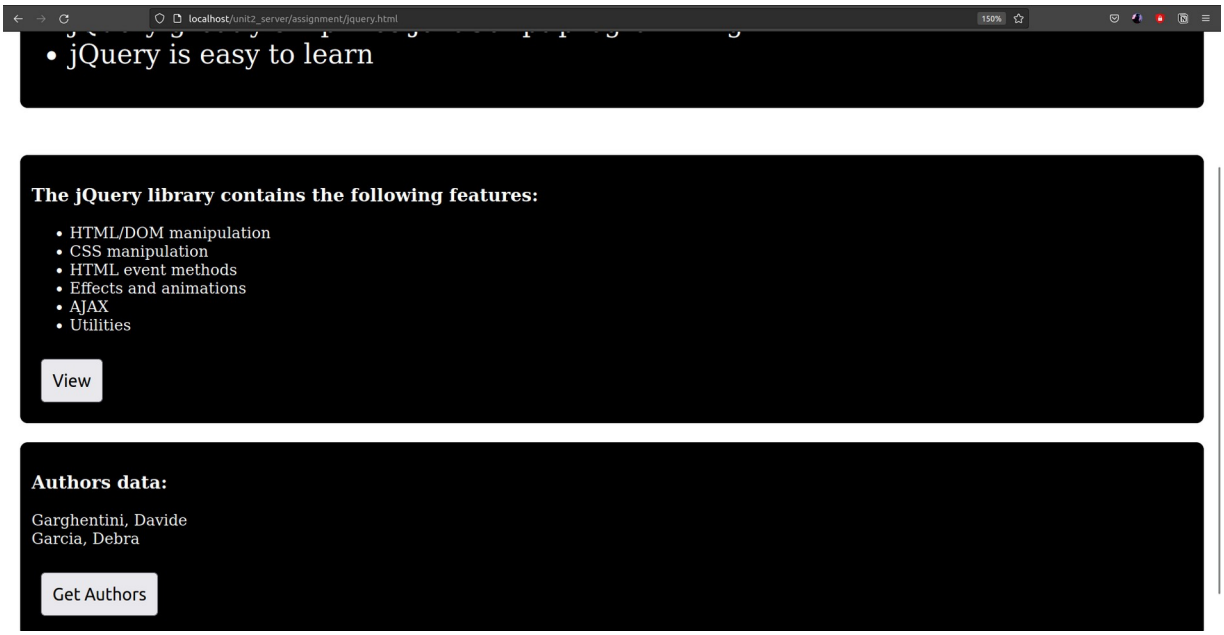


On Clicking Header:



Jquery:

On Clicking View Button:



Getting Data From XML file: