Report Lab 8

Task:

Add to the previous project jQuery & JSON Based Backend Hierarchical Menu Creator – DoMenu and Dialog.

In order to do this first we have to import all the library and css part of the project into the HTML part of the project:

```
<link rel="stylesheet" href="//code.jquery.com/ui/1.13.2/themes/base/jquery-ui.css">
<link rel="stylesheet" href="/resources/demos/style.css">
```

```
<script src="https://code.jquery.com/jquery-3.6.0.js"></script>
  <script src="https://code.jquery.com/ui/1.13.2/jquery-ui.js"></script>
  <script src="jquery.domenu-0.0.1.js"></script>
```

Than we need to create the HTML part of the DoMenu:

```
<div class="dd" id="domenu">
  <button class="dd-new-item">+</button>
  <li class="dd-item-blueprint">
    <div class="dd-handle dd3-handle">Drag</div>
    <div class="dd3-content"> <span>[item_name]</span>
      <button class="item-remove">&times;</button>
      <div class="dd-edit-box" style="display: none;">
        <input type="text" name="title" placeholder="name">
        <input type="url" name="http" placeholder="http://">
        <i>&#x270e;</i> </div>
    </div>
  </li>
  <ol class="dd-list">
  </ol>
</div>
```

The main container element is a **div** with an **id** of "domenu". Within this div element, there are three child elements:
A **button** element with a **class** of "dd-new-item", which could be used to add a new item to the list when clicked.
A **li** element with a **class** of "dd-item-blueprint", which is a template for creating new list items.

An empty **ol** element with a **class** of "dd-list", which will contain the list of items. The li element contains two child div elements:

A **div** element with a class of "dd-handle dd3-handle", which is used for dragging the list item.

A **div** element with a class of "dd3-content", which contains the item's name as a **span** element, a **button** element with a **class** of "item-remove" for removing the item, and a **div** element with a **class** of "dd-edit-box" that contains two input elements (one for the item's name and another for the item's link), and an i element with a pen icon (Unicode character U+270E) for editing the item.

After this I initialized the menu:

```javascript
$(document).ready(function()
 {

     var updateOutput = function(e)
     {
         var list   = e.length ? e : $(e.target),
             output = list.data('output');
         if (window.JSON) {
             output.val(window.JSON.stringify(list.nestable('serialize')));//,
null, 2));
         } else {
             output.val('JSON browser support required for this demo.');
         }
     };

     $('#domenu').domenu({
         data: '[{"id":1,"title":"Project
1","http":"http://194.29.145.137:23880/~k-
6999/p1index.html"},{"id":2,"title":"Project
2","http":"http://194.29.145.137:23880/~k-
6999/p2_index.html"},{"id":3,"title":"Project
3","http":"http://194.29.145.137:23880/~k-
6999/p3_index.html"},{"id":4,"title":"Project
4","http":"http://194.29.145.137:23880/~k-6999/p4_index.html"}]'
     }).parseJson();
     });
```

This code is setting up a dynamic menu with drag-and-drop capabilities, using the **domenu** and nestable plugins, and initializing it with some initial data in JSON format. The updateOutput function is used to update an output element with the serialized JSON data of the list.

Than I wrote the HTML part for each dialog window with display:none

```html
<div id="dialog1" style='display:none 'title="Basic dialog">
   <p>The project n.1 represent an HTML table</p>
  </div>
  <div id="dialog2" style='display:none 'title="Basic dialog">
   <p>The project n.2 represent a CSS table</p>
  </div>
  <div id="dialog3" style='display:none 'title="Basic dialog">
   <p>The project n.3 represent the generation of random number and sorting of
it</p>
  </div>
  <div id="dialog4" style='display:none 'title="Basic dialog">
   <p>The project n.4 represent a Responsive Web Page</p>
  </div>
```

In order to show it only when it is performed a click on the relative menu's item and to do this :
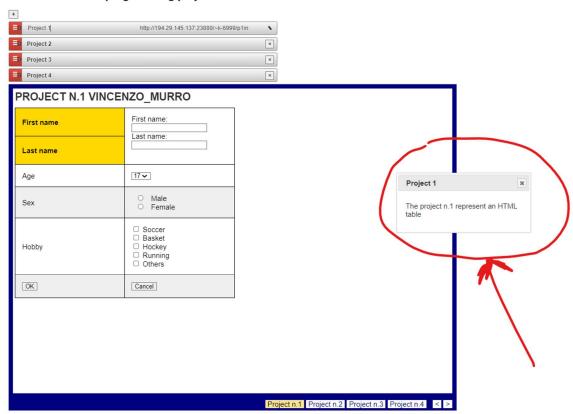
```javascript
 $(document).ready(function() {

  $('#domenu').on('click', '.dd3-content', function() {
    var itemId = $(this).closest('.dd-item').data('id');
    var itemName = $(this).find('span').text();
    $('#dialog' + itemId)
      .attr('title', itemName)
      .dialog();
  });
});
```

This code sets up a click event listener on the **.dd3-content** element within the **#domenu** element. When a menu item is clicked, it retrieves the item's ID and name, creates a dialog box with the name as the title, and displays the dialog box.

Result when clicking on project 1 in the menu:

Advanced internet programming projects

⊞			
☰	Project 1	http://194.29.145.137:23880/~k-6999/p1in	✎
☰	Project 2		☒
☰	Project 3		☒
☰	Project 4		☒

PROJECT N.1 VINCENZO_MURRO

First name	First name: [ ] Last name: [ ]
Last name	
Age	[17 ▾]
Sex	○ Male ○ Female
Hobby	☐ Soccer ☐ Basket ☐ Hockey ☐ Running ☐ Others
[OK]	[Cancel]

Project 1   ☒

The project n.1 represent an HTML table

Project n.1 | Project n.2 | Project n.3 | Project n.4   < | >

I also initialize a function That when double click on the selected item it takes the url from the data insert by the developer and open it on a new web page:

```javascript
$(document).ready(function() {

  $('#domenu').on('dblclick', '.dd3-content', function() {

    var url = $(this).closest('.dd-item').data('http');
    window.open(url, '_blank');
  });
});
```

Link to access the project:

http://194.29.145.137:23880/~k-6999/p8_index.html

http://10.44.99.99:23880/~k-6999/p8_index.html