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nr Indexu: 136699

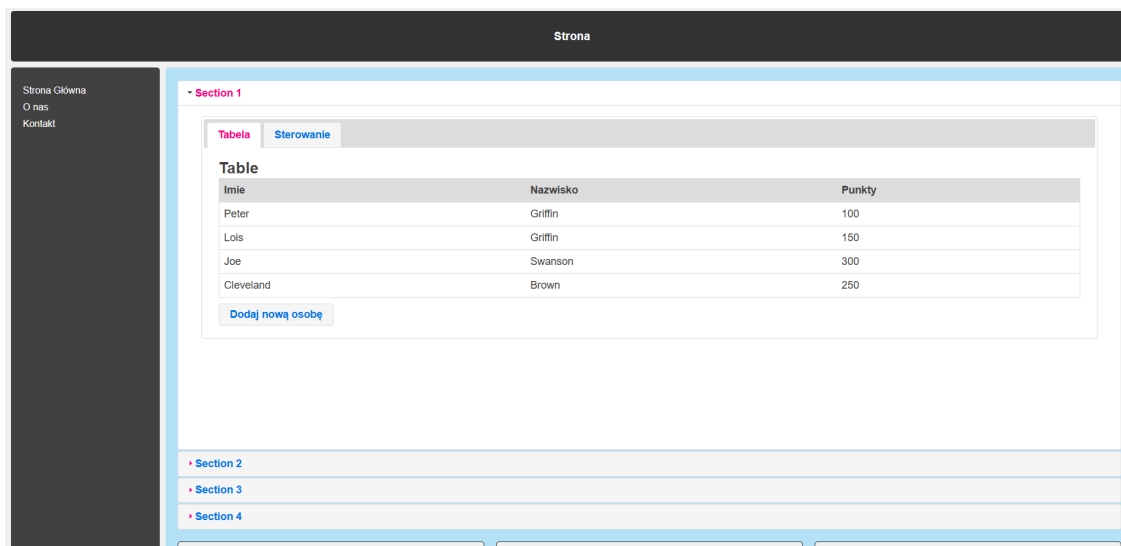
Interaktywna grafika i prezentacja danych

Laboratorium 2

JQuery UI, widgety

Zadanie - 1, 2 oraz 3

Szablon - **Flick**



```
<!DOCTYPE html>

<html lang="pl">

  <head>

    <meta charset="UTF-8" />

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

```

/>

<title>Strona</title>

<link rel="stylesheet" href="style.css" />

<link rel="stylesheet" href="jQuery/jquery-ui.css">

<script src="jQuery/external/jquery/jquery.js"></script>

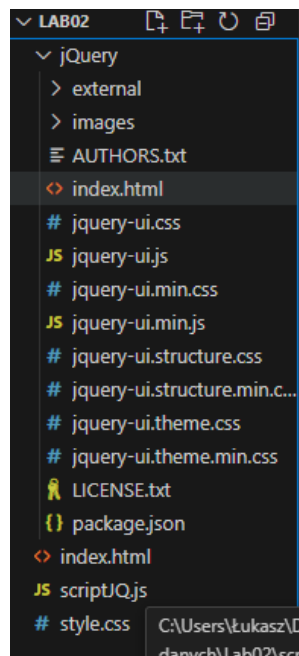
<script src="jQuery/jquery-ui.js"></script>

<script src="scriptJQ.js"></script>

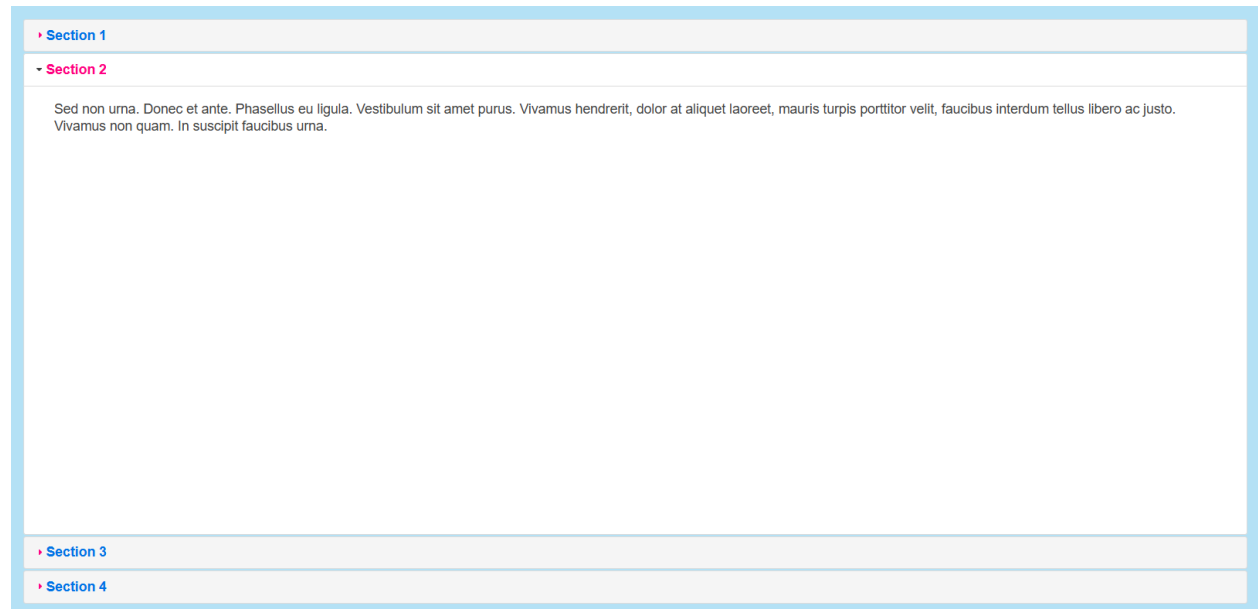
</head>

<body>

```



Zadanie 4.



```
$( function() {  
  
    $( "#accordion" ).accordion();  
  
} );
```

```
<div id="accordion">  
    <h3>Section 1</h3>  
    <div>  
Sed non urna.  
    </div>  
  
    <h3>Section 2</h3>  
    <div>  
        <p>  
Sed non urna. Donec et ante. Phasellus eu ligula. Vestibulum  
sit  
amet purus. Vivamus hendrerit, dolor at aliquet laoreet,  
mauris  
turpis porttitor velit, faucibus interdum tellus libero ac  
justo.  
Vivamus non quam. In suscipit faucibus urna.  
        </p>  
    </div>  
    <h3>Section 3</h3>  
    <div>  
        <p>  
Quisque  
lobortis. Phasellus pellentesque purus in massa. Aenean in  
pede.
```

```

        Phasellus ac libero ac tellus pellentesque semper. Sed ac
felis.
        Sed commodo, magna quis lacinia ornare, quam ante aliquam
nisi, eu
        iaculis leo purus venenatis dui.
    </p>
    <ul>
        <li>List item one</li>
        <li>List item two</li>
        <li>List item three</li>
    </ul>
</div>
<h3>Section 4</h3>
<div>
    <p>
et        Cras dictum. Pellentesque habitant morbi tristique senectus
        netus et malesuada fames ac turpis egestas. Vestibulum ante
ipsum        primis in faucibus orci luctus et ultrices posuere cubilia
Curae;        Aenean lacinia mauris vel est.
    </p>
    <p>
consequat        Suspendisse eu nisl. Nullam ut libero. Integer dignissim
        lectus. Class aptent taciti sociosqu ad litora torquent per
        conubia nostra, per inceptos himenaeos.
    </p>
</div>
</div>

```

Zadanie 5.

Section 1

Tabela

Sterowanie

Table

```

$( function() {

$( "#tabs" ).tabs();

} );

```

```
<div id="tabs">
  <ul>
    <li><a href="#tabs-1">Tabela</a></li>
    <li><a href="#tabs-2">Sterowanie</a></li>
  </ul>
  <div id="tabs-1">
    <h2>Table</h2>

    <table id="users" class="ui-widget ui-widget-content">
      <tr class="ui-widget-header">
        <th>Imie</th>
        <th>Nazwisko</th>
        <th>Punkty</th>
      </tr>
      <tr>
        <td>Peter</td>
        <td>Griffin</td>
        <td>100</td>
      </tr>
      <tr>
        <td>Lois</td>
        <td>Griffin</td>
        <td>150</td>
      </tr>
      <tr>
        <td>Joe</td>
        <td>Swanson</td>
        <td>300</td>
      </tr>
      <tr>
        <td>Cleveland</td>
        <td>Brown</td>
        <td>250</td>
      </tr>
    </table>
    <button id="create-user">Dodaj nową osobę</button>
  </div>
  <div id="tabs-2">
    <div class="slider-container">
      <label for="temperature-slider">Temperatura
(15-25°C):</label>
      <div id="temperature-slider" class="slider"></div>
      <span id="temperature-value" class="value">20°C</span>
    </div>

    <div class="slider-container">
      <label for="humidity-slider">Wilgotność
(0-100%):</label>
      <div id="humidity-slider" class="slider"></div>
      <span id="humidity-value" class="value">50%</span>
    </div>
  </div>
</div>
```

```
<div class="slider-container">
  <label for="airquality-slider"
    >Jakość powietrza (0-500):</label
  >
  <div id="airquality-slider" class="slider"></div>
  <span id="airquality-value" class="value">250</span>
</div>
</div>
</div>
```

Zadanie 6.

Table

Imie	Nazwisko	Punkty
Peter	Griffin	100
Lois	Griffin	150
Joe	Swanson	300
Cleveland	Brown	250

```
<div id="tabs-1">
  <h2>Table</h2>

  <table id="users" class="ui-widget ui-widget-content">
    <tr class="ui-widget-header">
      <th>Imie</th>
      <th>Nazwisko</th>
      <th>Punkty</th>
    </tr>
    <tr>
      <td>Peter</td>
      <td>Griffin</td>
      <td>100</td>
    </tr>
    <tr>
      <td>Lois</td>
      <td>Griffin</td>
      <td>150</td>
    </tr>
    <tr>
      <td>Joe</td>
      <td>Swanson</td>
      <td>300</td>
    </tr>
    <tr>
      <td>Cleveland</td>
      <td>Brown</td>
      <td>250</td>
    </tr>
  </table>
  <button id="create-user">Dodaj nową osobę</button>
```

</div>

Zadanie 7.

The screenshot shows a web application with two tabs: 'Tabela' (Table) and 'Sterowanie' (Control). The 'Tabela' tab is active, displaying a table with the following data:

Imie
Peter
Lois
Joe
Cleveland
Adam

Below the table is a button labeled 'Dodaj nową osobę' (Add new person). A modal dialog titled 'Dodaj nową osobę' is open, showing a form with the following fields:

- A message: 'Wszystkie pola są wymagane.' (All fields are required.)
- 'Imie' (Name): Text input with value 'Adam'.
- 'Nazwisko' (Surname): Text input with value 'Kowalski'.
- 'Punkty' (Points): Number input with value '0'.
- 'Wybierz poziom:' (Choose level): Radio buttons for 'Poziom 1' (selected) and 'Poziom 2'.

At the bottom of the dialog are two buttons: 'Dodaj' (Add) and 'Anuluj' (Cancel).

```
<div id="dialog-form" title="Dodaj nową osobę">
  <p class="validateTips">Wszystkie pola są wymagane.</p>

  <form>
    <fieldset>
      <label for="name">Imie</label>
      <input
        type="text"
        name="name"
        id="name"
        value="Adam"
        class="text ui-widget-content ui-corner-all"
      />
      <label for="email">Nazwisko</label>
      <input
        type="text"
        name="email"
        id="email"
        value="Kowalski"
        class="text ui-widget-content ui-corner-all"
      />
      <label for="password">Punkty</label>
      <input
        type="number"
        name="password"
        id="password"

```

```

        value="0"
        class="text ui-widget-content ui-corner-all"
    />
    <label for="radio">Wybierz poziom:</label>
    <div id="radio">
        <input type="radio" id="lvl1" name="project" />
        <label for="lvl1">Poziom 1</label>

        <input
            type="radio"
            id="lvl2"
            name="project"
            checked="checked"
        />
        <label for="lvl2">Poziom 2</label>

        <input type="radio" id="lvl3" name="project" />
        <label for="lvl3">Poziom 3</label>
    </div>
    <input
        type="submit"
        tabindex="-1"
        style="position: absolute; top: -1000px"
    />
</fieldset>
</form>
</div>

```

JAVASCRIPT ----

```

$( function() {
    var dialog, form,

    // From
https://html.spec.whatwg.org/multipage/input.html#e-mail-state-%28type=email%29

    name = $( "#name" ),
    email = $( "#email" ),
    password = $( "#password" ),
    allFields = $( [] ).add( name ).add( email ).add( password ),
    tips = $( ".validateTips" );

    function updateTips( t ) {
        tips
            .text( t )
            .addClass( "ui-state-highlight" );
        setTimeout(function() {
            tips.removeClass( "ui-state-highlight", 1500 );
        }, 500 );
    }

    function checkLength( o, n, min, max ) {
        if ( o.val().length > max || o.val().length < min ) {

```



```

        o.addClass( "ui-state-error" );
        updateTips( "Length of " + n + " must be between " +
            min + " and " + max + "." );
        return false;
    } else {
        return true;
    }
}

function checkRegexp( o, regexp, n ) {
    if ( !( regexp.test( o.val() ) ) ) {
        o.addClass( "ui-state-error" );
        updateTips( n );
        return false;
    } else {
        return true;
    }
}

function addUser() {
    var valid = true;
    allFields.removeClass( "ui-state-error" );

    valid = valid && checkLength( name, "imie", 3, 16 );
    valid = valid && checkLength( email, "nazwisko", 3, 80 );
    valid = valid && checkLength( password, "punkty", 1, 10 );

    if ( valid ) {
        $( "#users tbody" ).append( "<tr>" +
            "<td>" + name.val() + "</td>" +
            "<td>" + email.val() + "</td>" +
            "<td>" + password.val() + "</td>" +
            "</tr>" );
        dialog.dialog( "close" );
    }
    return valid;
}

dialog = $( "#dialog-form" ).dialog({
    autoOpen: false,
    height: 500,
    width: 400,
    modal: true,
    buttons: {
        "Dodaj ": addUser,
        Anuluj: function() {
            dialog.dialog( "close" );
        }
    },
    close: function() {
        form[ 0 ].reset();
        allFields.removeClass( "ui-state-error" );
    }
});

```

```

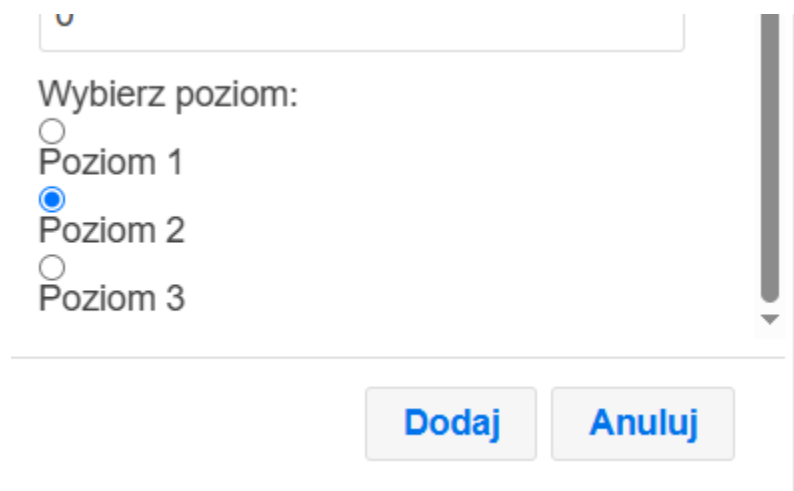
    }
  });

  form = dialog.find( "form" ).on( "submit", function( event ) {
    event.preventDefault();
    addUser();
  });

  $( "#create-user" ).button().on( "click", function() {
    dialog.dialog( "open" );
  });
} );

```

Zadanie 8.



```

<label for="radio">Wybierz poziom:</label>
  <div id="radio">
    <input type="radio" id="lvl1" name="project" />
    <label for="lvl1">Poziom 1</label>

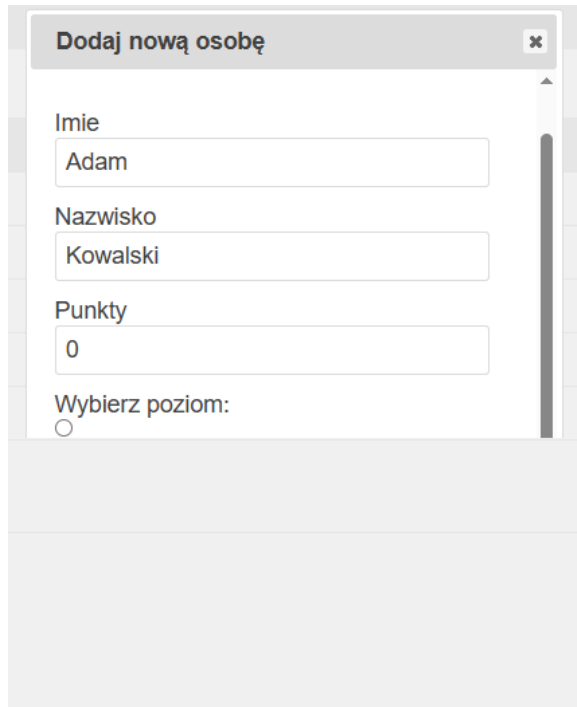
    <input
      type="radio"
      id="lvl2"
      name="project"
      checked="checked"
    />
    <label for="lvl2">Poziom 2</label>

    <input type="radio" id="lvl3" name="project" />
    <label for="lvl3">Poziom 3</label>
  </div>

```

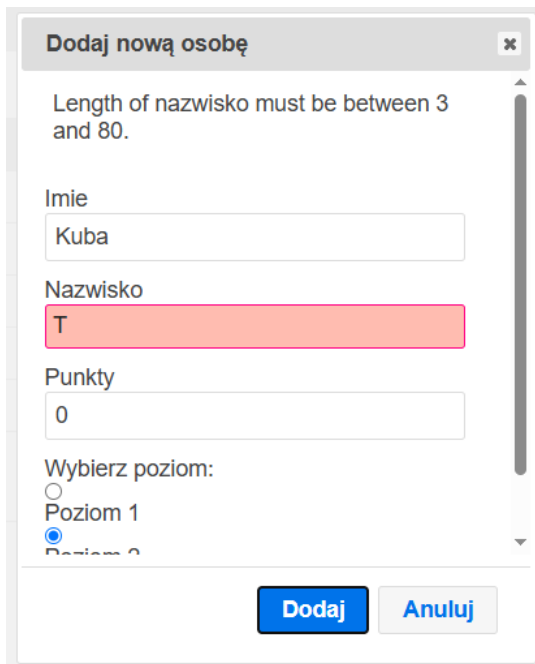
```
$( "#radio" ).controlgroup();
```

Zadanie 9.



```
$(function() {  
    $( "#dialog-form" ).dialog({  
        autoOpen: false,  
        show: {  
            effect: "blind",  
            duration: 1500  
        },  
        hide: {  
            effect: "clip",  
            duration: 1000  
        }  
    });  
  
    $( "#create-user" ).click(function() {  
        $( "#dialog" ).dialog( "open" );  
    });  
});
```

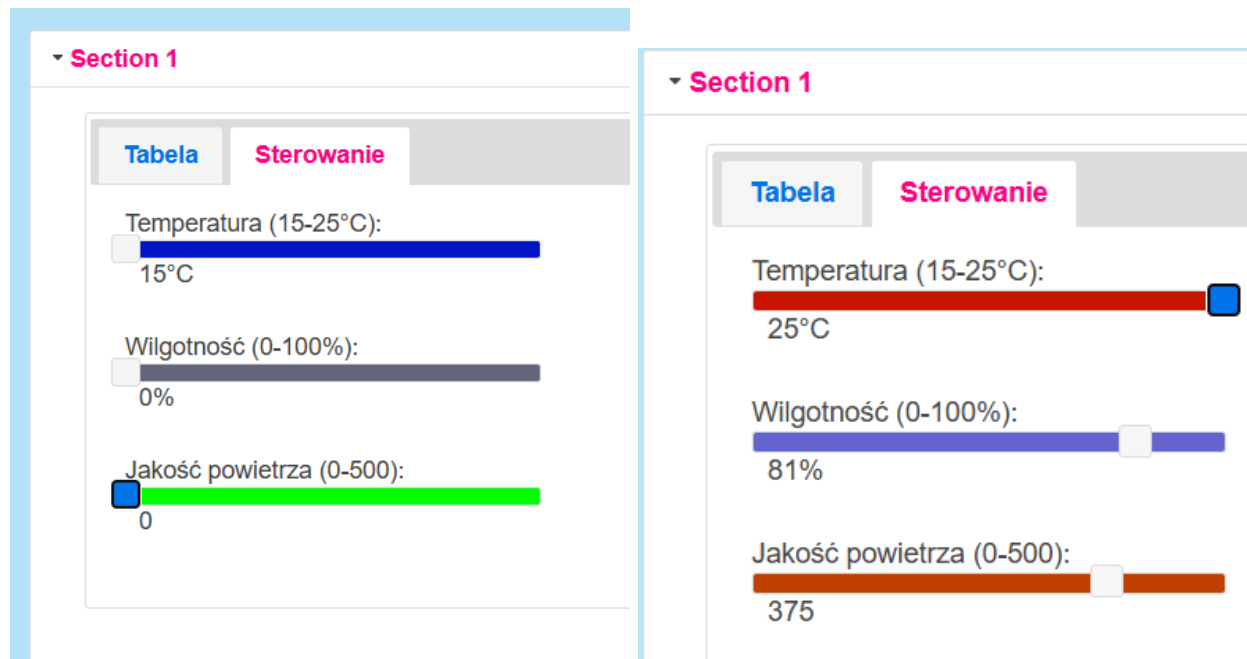
Zadanie 10.



```
function checkRegexp( o, regexp, n ) {  
    if ( !( regexp.test( o.val() ) ) ) {  
        o.addClass( "ui-state-error" );  
        updateTips( n );  
        return false;  
    } else {  
        return true;  
    }  
}
```

```
function addUser() {  
    var valid = true;  
    allFields.removeClass( "ui-state-error" );  
  
    valid = valid && checkLength( name, "imie", 3, 16 );  
    valid = valid && checkLength( email, "nazwisko", 3, 80 );  
    valid = valid && checkLength( password, "punkty", 1, 10 );
```

Zadanie 11.



```

<div class="slider-container">
    <label for="temperature-slider">Temperatura
(15-25°C) :</label>
    <div id="temperature-slider" class="slider"></div>
    <span id="temperature-value" class="value">20°C</span>
</div>

    <div class="slider-container">
    <label for="humidity-slider">Wilgotność
(0-100%) :</label>
    <div id="humidity-slider" class="slider"></div>
    <span id="humidity-value" class="value">50%</span>
</div>

    <div class="slider-container">
    <label for="airquality-slider"
>Jakość powietrza (0-500) :</label>
    >
    <div id="airquality-slider" class="slider"></div>
    <span id="airquality-value" class="value">250</span>
</div>

```

JAVASCRIPT

```

$(function () {
    $("#temp").each(function () {
        var value = parseInt($(this).text(), 10);
        $(this).empty().slider({
            value: value,
            range: "min",
            min: 15,
            max: 30,

```

```
        animate: true,
        orientation: "vertical",
    });
});

$("#humi").each(function () {
    var value = parseInt($(this).text(), 10);
    $(this).empty().slider({
        value: value,
        range: "min",
        min: 0,
        max: 100,
        animate: true,
        orientation: "vertical",
    });
});

$("#AQ").each(function () {
    var value = parseInt($(this).text(), 10);
    $(this).empty().slider({
        value: value,
        range: "min",
        min: 0,
        max: 500,
        animate: true,
        orientation: "vertical",
    });
});
});

function getValueTemp() {
    var value = $("#temp").slider("option", "value");
    //var colVal = "#" + value + value + value;
    //console.log(colVal);

    //$(".ui-slider-range-min").css("background-color", colVal);
}

$(document).ready(function () {
    $("#temperature-slider").slider({
        min: 15,
        max: 25,
        value: 20,
        slide: function (event, ui) {
            $("#temperature-value").text(ui.value + "°C");
            var color = getColorTemperature(ui.value);
            $(this).css("background", color);
        },
    });

    $("#humidity-slider").slider({
        min: 0,
```

```
max: 100,
value: 50,
slide: function (event, ui) {
    $("#humidity-value").text(ui.value + "%");
    var color = getColorHumidity(ui.value);
    $(this).css("background", color);
},
});

$("#airquality-slider").slider({
    min: 0,
    max: 500,
    value: 250,
    slide: function (event, ui) {
        $("#airquality-value").text(ui.value);
        var color = getColorAirQuality(ui.value);
        $(this).css("background", color);
    },
});

function getColorTemperature(value) {
    var r = Math.min(255, (value - 15) * 20);
    var b = Math.min(255, (25 - value) * 20);
    return "rgb(" + r + ", 20, " + b + ")";
}

function getColorHumidity(value) {
    var g = Math.min(255, value + 125);
    return "rgb(100, 100, " + g + ")";
}

function getColorAirQuality(value) {
    var red = Math.min(255, value * 0.51);
    var green = Math.max(0, 255 - value * 0.51);
    return "rgb(" + red + ", " + green + ", 0)";
}
});
```