



UNIVERSITI MALAYSIA TERENGGANU

LAB MODULE 4

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MATRIC NO : S63762

PROGRAMME: BACHELOR OF COMPUTER SCIENCE (MOBILE COMPUTING)

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GITHUB LINK : <https://github.com/ilhamhanina/Code-Lab-CSM3103-S63762.git>

Task 1

- a. i. What is the id of button

id button = button_change

- a. ii. What happened when you clicked change button and why?

Nothing happen and the title didn't change.

- b. Your mission: when the button is clicked, all occurrences of the word Black to be changed to the text in the input field.

Output for Task 1:-



The codes:-

```
1  <!doctype html>
2  <html>
3    <head>
4      <title>lab 4 : Task 1</title>
5      <meta charset="utf-8">
6      <script
7        src="https://code.jquery.com/jquery-3.1.1.js"
8        integrity="sha256-16cdPddA6VdVInumRGo6IbivDRE8p/CQ83HzTBuELA="
9        crossorigin="anonymous"></script>
10     <link rel="stylesheet" href=
11       "https://cdnjs.cloudflare.com/ajax/libs/mini.css/2.0.2/mini-default.css">
12     <style>
13       body { margin: 20px; }
14       #color_change { border: 1px solid; }
15       .com_color { font-weight: bold; }
16     </style>
17
18     <script>
19     $(document).ready(function() {
20
21       var button = $('#button_change');
22       $(button).click(function(){
23         var input_color = $('#input_color');
24         var input_value = $(input_color).val();
25         var element = $('.door_color');
26         $(element).html(input_value);
27       });
28
29     });
30     </script>
31 </head>
```

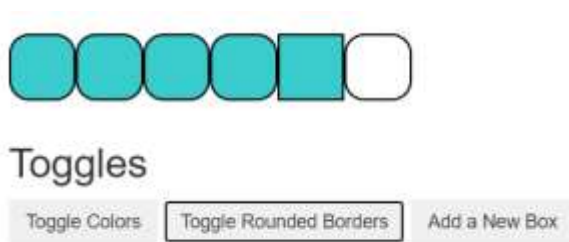
```

12 <body>
13
14 <h2> Paint it <span class="door_color">Black</span> by The Rolling Stones(1966)</h2>
15 <p>I see a red door and I want it painted <span class="door_color">Black</span>
16 </p>
17
18 <p>My Wanted Color is :
19 <select id="input_color" class="dropdown-el">
20 <option>Red</option>
21 <option>Purple</option>
22 <option>Blue</option>
23 <option>Green</option>
24 <option>Yellow</option>
25 </select>
26 <button id="button_change">
27   Change!
28 </button>
29 </p>
30
31 </body>
32 </html>

```

Task 2

The output-



The codes:-

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Lab 4: Task 2</title>
5 <meta charset="utf-8" />
6 <link
7   rel="stylesheet"
8   href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"
9 />
10 <style>
11 #boxes {
12   margin-top: 50px;
13   float: left;
14   width: 100%;
15 }
16
17 #toggles {
18   float: left;
19   width: 100%;
20   margin-top: 10px;
21 }
22
23 #info {
24   float: left;
25   margin-top: 5px;
26 }
27
28 .box {
29   width: 50px;
30   height: 50px;
31   float: left;
32 }
33

```

```

34     .outlined {
35         border: 2px solid black;
36     }
37
38     .round-edge {
39         border-radius: 15px;
40     }
41
42     .teal {
43         background-color: teal;
44     }
45 </style>
46 <script>
47     src="https://code.jquery.com/jquery-3.1.1.js"
48     integrity="sha256-16cdPddA6VdVInumRGo6IbivbERE8p7CQR3HzTBuELA="
49     crossorigin="anonymous"
50 ></script>
51
52 <script>
53     var colorTeal = "rgb(57, 204, 204)";
54     $(document).ready(function () {
55         $("#button_toggle_colors").click(function () {
56             $(".box").each(function () {
57                 if ($(this).css("background-color") == colorTeal) {
58                     $(this).css("background-color", "");
59                 } else {
60                     $(this).css("background-color", colorTeal);
61                 }
62             });
63         });
64     });

```

```

65     $("#button_toggle_roundedges").click(function () {
66         $(".box").each(function () {
67             if ($(this).hasClass("round-edge")) {
68                 $(this).removeClass("round-edge");
69             } else {
70                 $(this).addClass("round-edge");
71             }
72         });
73     });
74
75     $("#button_add_box").click(function () {
76         var new_box = document.createElement("div");
77         var existingBoxes = $(".box").length;
78         var nextBoxId = existingBoxes + 1;
79         $(new_box).attr("id", "box" + nextBoxId);
80         $(new_box).addClass("box");
81         $(new_box).addClass("outlined");
82         $("#boxes").append(new_box);
83     });
84 </script>
85 </head>
86

```

```

88 <body>
89     <div class="container">
90         <div id="boxes">
91             <div id="box1" class="box outlined"></div>
92             <div id="box2" class="box outlined"></div>
93             <div id="box3" class="box outlined"></div>
94         </div>
95
96         <div id="toggles">
97             <h2>Toggles</h2>
98             <button class="btn" id="button_toggle_colors">Toggle Colors</button>
99             <button class="btn" id="button_toggle_roundedges">
100                 Toggle Rounded Borders
101             </button>
102             <button class="btn" id="button_add_box">Add a New Box</button>
103         </div>
104     </div>
105 </body>
106 </html>

```

Task 3

The output:-

jQuery UI-Survey

General Information

Name: Date:

Are you enrolled as an undergraduate or a graduate?

☐ Undergraduate

☐ Graduate

Rank the colors listed from your most favorite (1) to your least favorite (5). Be sure to only use each ranking once.

1	<input type="text" value="#FF6633"/>
2	<input type="text" value="#FF9933"/>
3	<input type="text" value="#FFCC33"/>
4	<input type="text" value="#FF9966"/>
5	<input type="text" value="#FFCC99"/>

The codes:-

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <title>Lab 2: Task 3</title>
5    <meta charset="utf-8" />
6    <script
7      src="https://code.jquery.com/jquery-3.1.1.js"
8      integrity="sha256-16cdPddA6VdVInumRGo6IbivbERE8p7CQR3HzTBuELA="
9      crossorigin="anonymous"
10   ></script>
11   <script
12     src="https://code.jquery.com/ui/1.12.1/jquery-ui.js"
13     integrity="sha256-T0Vest3yCU7pafRw9r+settMBX6JkKN06dqBnpQ8d30="
14     crossorigin="anonymous"
15   ></script>
16   <link
17     rel="stylesheet"
18     href="https://cdnjs.cloudflare.com/ajax/libs/normalize/5.0.0/normalize.css"
19   />
20   <link
21     rel="stylesheet"
22     href="https://code.jquery.com/ui/1.12.1/themes/ui-lightness/jquery-ui.css"
23   />
24
25   <style>
26     body {
27       margin: 20px;
28     }
29     #name_input {
30       float: left;
31       margin-bottom: 20px;
32       margin-right: 20px;
33     }
```

```

34  ✓ #date_input {
35      float: left;
36      margin-bottom: 20px;
37  }
38  ✓ #year_input {
39      clear: both;
40  }
41  ✓ .rank_color {
42      width: 20px;
43      margin-top: 2px;
44  }
45
46  ✓ #selectable .ui-selecting {
47      background: #fec440;
48  }
49
50  ✓ #selectable .ui-selected {
51      background: #f39814;
52      color: white;
53  }
54
55  ✓ #selectable li:before {
56      content: "\2713";
57      color: transparent;
58  }
59
60  ✓ #selectable li.ui-selecting:before {
61      content: "\2713";
62      color: black;
63  }
64

```

```

65  ✓ #selectable li.ui-selecting:before {
66      content: "\2713";
67      color: white;
68  }
69  ✓ #selectable {
70      list-style-type: none;
71      margin: 0;
72      padding: 0;
73      width: 150px;
74      cursor: pointer;
75  }
76
77  ✓ #selectable li {
78      margin: 3px;
79      padding: 0.4em;
80      font-size: 1em;
81      height: 16px;
82  }
83
84  ✓ #sortable {
85      list-style-type: none;
86      margin: 0;
87      padding: 0;
88      width: 150px;
89  }
90
91  ✓ #sortable li {
92      margin: 0 3px 3px 3px;
93      padding: 0.4em;
94      padding-left: 1.5em;
95      font-size: 1em;
96      height: 12px;
97      color: black;
98  }

```

```

98     }
99     .color_swatch {
100         height: 50px;
101         width: 50px;
102     }
103 </style>
104
105 <script>
106     $(document).ready(function () {
107         $("#date").datepicker({
108             minDate: "-2w",
109             maxDate: "+2w",
110         });
111
112         $("#selectable").selectable({
113             selected: function (event, ui) {
114                 var selectedValue = ui.selected.textContent;
115                 console.log(selectedValue);
116             },
117         });
118
119         $("#sortable").sortable();
120         $("#sortable").disableSelection();
121

```

```

122         $(document).tooltip({
123             items: "[title], [class]",
124             position: { my: "left center", at: "right center" },
125             content: function () {
126                 var element = $(this);
127                 if (element.is("[title]")) {
128                     return element.attr("title");
129                 }
130                 if (element.is("[class]")) {
131                     console.log("class", element);
132                     if (element.hasClass("ui-state-default")) {
133                         var text = element.text();
134                         return (
135                             '<div class="color_swatch" style="background:' +
136                             text +
137                             '></div>'
138                         );
139                     }
140                 }
141             },
142         });
143     });
144 </script>

```



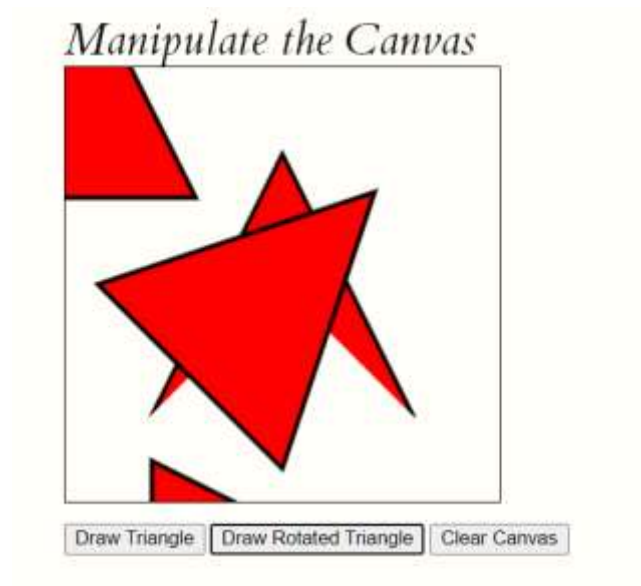
```

145     </head>
146     <body>
147         <h2>jQuery UI-Survey</h2>
148         <h3>General Information</h3>
149         <div id="name_input">
150             <label for="name">Name:</label>
151             <input type="text" id="name" />
152         </div>
153         <div id="date_input">
154             <label for="date">Date:</label>
155             <input type="text" id="date" />
156         </div>
157         <div id="year_input">
158             <h3>Are you enrolled as an undergraduate or a graduate?</h3>
159
160             <ol id="selectable">
161                 <li class="ui-widget-content" title="taking 6.813">Undergraduate</li>
162                 <li class="ui-widget-content" title="taking 6.813">Graduate</li>
163                 <br />
164             </ol>
165         </div>
166
167         <div id="color_input">
168             <h3>
169                 Rank the colors listed from your most favorite (1) to your least
170                 favorite (5). Be sure to only use each ranking once.
171             </h3>
172
173             <span class="ui-icon ui-icon-arrowthick-2-n-s"></span>
174
175             <ul id="sortable">
176                 <li class="ui-state-default">#ff0000</li>
177                 <li class="ui-state-default">#0000ff</li>
178                 <li class="ui-state-default">#ff00b3</li>
179                 <li class="ui-state-default">#fded447</li>
180                 <li class="ui-state-default">#125e18</li>
181             </ul>
182         </div>
183     </body>
184 </html>
185

```


Task 4

The output :-



The codes:-

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <title>Lab 4 : Part 2</title>
5    <meta charset="utf-8" />
6    <script
7      src="https://code.jquery.com/jquery-3.1.1.js"
8      integrity="sha256-16cdPddA6VdVInumRGo6IbivbERE8p7CQR3HzTBuELA="
9      crossorigin="anonymous"
10   ></script>
11   <link
12     rel="stylesheet"
13     href="https://cdnjs.cloudflare.com/ajax/libs/tufte-css/1.1/tufte.css"
14   />
15   <style>
16     body {
17       margin: 20px;
18     }
19     #container {
20       display: block;
21     }
22     #draw_buttons {
23       float: left;
24       width: 100%;
25       margin-top: 10px;
26     }
27   </style>
```

```

29 <script>
30     $(document).ready(function () {
31         var canvas = document.getElementById("myCanvas");
32         var ctx = canvas.getContext("2d");
33
34         $("#button_draw_triangle").click(function () {
35             ctx.fillStyle = "#f00";
36             ctx.strokeStyle = "#000";
37             ctx.lineWidth = 3;
38             ctx.beginPath();
39             ctx.moveTo(60, 240);
40             ctx.lineTo(240, 240);
41             ctx.lineTo(150, 60);
42             ctx.closePath();
43             ctx.fill();
44             ctx.stroke();
45         });
46
47         $("#button_draw_rotated_triangle").click(function () {
48             ctx.translate(canvas.width / 2, canvas.height / 2);
49             ctx.rotate(Math.PI / 4);
50             ctx.beginPath();
51             ctx.moveTo(-90, 90);
52             ctx.lineTo(90, 90);
53             ctx.lineTo(0, -90);
54
55             ctx.closePath();
56             ctx.fill();
57             ctx.stroke();
58         });

```

```

59
60         $("#button_clear_canvas").click(function () {
61             ctx.clearRect(0, 0, canvas.width, canvas.height);
62         });
63     });
64 </script>
65 </head>
66
67 <body>
68     <h2>Manipulate the Canvas</h2>
69     <canvas
70         id="myCanvas"
71         width="300"
72         height="300"
73         style="border: 1px solid #000000"
74     ></canvas>
75
76     <div id="draw_buttons">
77         <button id="button_draw_triangle">Draw Triangle</button>
78         <button id="button_draw_rotated_triangle">Draw Rotated Triangle</button>
79         <button id="button_clear_canvas">Clear Canvas</button>
80     </div>
81 </body>
82 </html>

```

Link GitHub for the lab : <https://github.com/ilhamhanina/Code-Lab-CSM3103-S63762.git>