



UNIVERSITI MALAYSIA TERENGGANU

CSM3103 – FRONT-END PROGRAMMING

BACHELOR OF COMPUTER SCIENCE (MOBILE COMPUTING) WITH HONORS

LAB 5

SEMESTER II 2023/2024

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S67383

Lab 5

Task 1

- a. Get the code from <https://frend.odaje.biz/lab5/task1.html> and evaluate and test the code.
 - i. What is the id of button and input field
 - ii. What happened when you clicked change button and why?
- b. Your mission: when the button is clicked, all occurrences of the word Black to be changed to the text in the input field.

- a. Select the change button

```
var button = $('#button_change');
```

- b. Setting a click listener for button

```
$(button).click(function(){  
    //your next code is here  
});
```

- c. Retrieving and storing the input value

```
//select the input color  
var input_color = $('#input_color');  
  
//select the input value  
var input_value = $(input_color).val();
```

- d. Select all appropriate black text by class selector

```
//select all appropriate black text recognise by class  
var element = $('.door_color');
```

- e. Replace the text with the input value

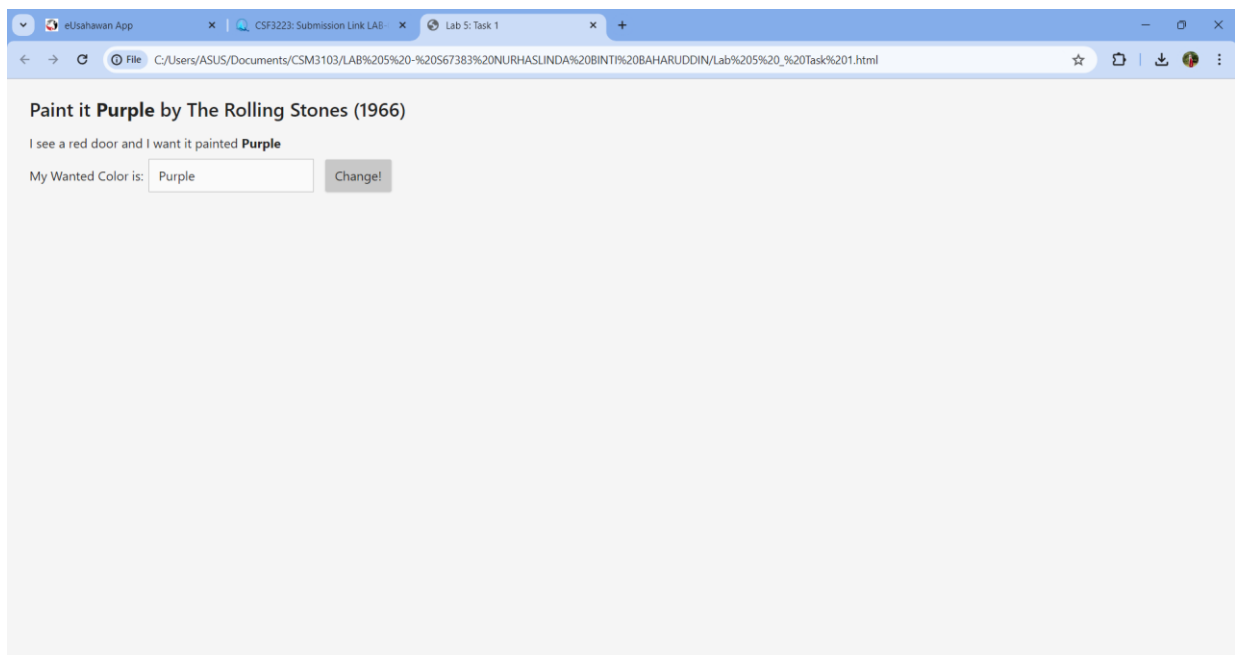
```
//changed the selected text color to input value color  
$(element).html(input_value);
```

- f. Test and evaluate your code. Comment on the new behaviour of your code
- g. Basically, all those id and value in the code can be access directly without using any variables. **Rewrite the code by directly using the jQuery selector**
- h. **Rewrite the code: can refer to task 2 if in doubt**
 - i. **Instead of input field, change it to dropdown which display available color understood by HTML (use select tag)**
 - ii. **Retrieve the value from the select tag**
 - iii. **Change the color of all appropriate text to selected color**

THE CODE :

```
File Edit Selection View Go Run Terminal Help
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
Lab 5 _ Task 1.html X Release Notes: 1.89.1 // Function to find the square of a give Untitled-1
C:\Users\ASUS\Documents\CSM3103\LAB 5 - 567383 NURHASLINDA BINTI BAHARUDDIN > Lab 5 _ Task 1.html > ...
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <title>Lab 5: Task 1</title>
6 <script src="https://code.jquery.com/jquery-3.1.1.min.js" integrity="sha256-HVnYaiADRT02PzUGmULJf88LUSjGIZsDYGm1Lv2b8=" crossorigin="anonymous"></script>
7 <link rel="stylesheet" href="/Lab 5 _ Task 1 files/mini-default.css">
8 <style>
9   body { margin: 20px; }
10  #color_change { border: 1px solid; }
11  .door_color { font-weight: bold; }
12 </style>
13 <script>
14 $(document).ready(function() {
15   $('#button_change').click(function() {
16     var input_color = $('#input_color').val();
17     $('#door_color').html(input_color);
18   });
19 });
20 </script>
21 </head>
22 <body>
23 <h2>Paint it <span class="door_color">Black</span> by The Rolling Stones (1966)</h2>
24 <p>I see a red door and I want it painted <span class="door_color">Black</span></p>
25 <p>My Wanted Color is:
26   <input id="input_color" value="Purple">
27   <button id="button_change">Change!</button>
28 </p>
29 </body>
30 </html>
31
Ln 1, Col 1 Spaces: 2 UTF-8 LF HTML
```

THE OUTPUT:



Task 2

- a. Get the code from <https://frend.odaje.biz/lab5/task2.html> , and evaluate and test the code
 - i. What id's that exist in the code above?
 - ii. Open the file inside browser, what have you see in the browser?
 - iii. Click any button, what happened? Why
- b. Your mission:
 - i. Click on Toggle Colors button: Toggles the color between white and cardinal
 - ii. Click on Toggle Rounded Borders: Toggles the appearance of a border on the boxes
 - iii. Click add a new box: adds one new box to the container
- c. Implements the following to accomplished your mission
 - i. Add outlined class to each <div>. Refer to <div> for box2 as an example. Save and open the file in browser
 - i. What changes have you see?
 - ii. Add a click function to button_toggle_color, and implementing change color process

```
//add button_toggle_color click function
$('#button_toggle_colors').click(function(){
    //get box1
    var box1 = $('#box1');
    //check and changed background color of box1
    if($(box1).css('background-color')==colorTeal){
        //remove the color
        $(box1).css('background-color','');
    }else{
        //put back colorTeal as background
        $(box1).css('background-color',colorTeal);
    }
});
```

- iii. Create an event listener for button_toggle_roundedges
- iv. Inside the function add the following code

```
$(".box").each(function(){
    if ($(this).hasClass('round-edge')){
        $(this).removeClass('round-edge');
    }else{
        $(this).addClass('round-edge');
    }
});
```

- v. Based on code in iv, can you modify a code in ii, so it change all box background and returned all to vanilla as well!

vi. Create an event listener for button_add_box.

vii. Inside the function put the following code

i. Create new element using javascript

```
var new_box = document.createElement('div');
```

ii. Get current number of element with class .box

```
var existingBoxes = $(".box").length;
```

iii. With the current number of box create new id for new box

```
var nextBoxId = existingBoxes+1;  
$(new_box).attr("id", "box"+nextBoxId);
```

iv. Add two classes (box and outlined) to new_box

```
$(new_box).addClass("box");  
$(new_box).addClass("outlined");
```

v. Finally, attached new box into box container

```
$("#boxes").append(new_box);
```

viii. Test and evaluate your code

ix. Modify the code above so that when button clicked, it only show one element which selected randomly .

THE CODE:

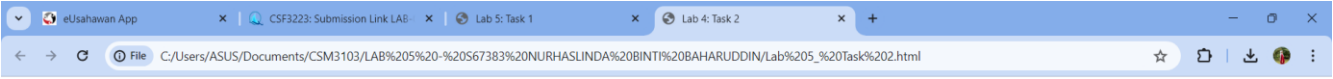
```
File Edit Selection View Go Run Terminal Help
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More

C:\Users\ASUS> Documents> CSM3103> LAB 5 - 567383 NURHASLINDA BINTI BAHARUDDIN> Lab 5_Task 2.html> ...
1 <!DOCTYPE html>
2 <!-- saved from url=(0039)https://frend.odaje.biz/labs/task2.html -->
3 <html>
4 <head>
5 <meta charset="UTF-8">
6 <title>Lab 4: Task 2</title>
7 <link rel="stylesheet" href="/Lab 4_Task 2_files/bootstrap.min.css">
8 <style>
9 #boxes { margin-top: 50px; float: left; width: 100%; }
10 #toggles { float: left; width: 100%; margin-top: 10px; }
11 #info { float: left; margin-top: 5px; }
12 .box { width: 50px; height: 50px; float: left; }
13 .outlined { border: 2px solid black; }
14 .round-edge { border-radius: 15px; }
15 .teal { background-color: teal; }
16 </style>
17 <script src="https://code.jquery.com/jquery-3.1.1.min.js" integrity="sha256-hvNvYaiADRT02PzUGmULJr8BLUJGIZsDYGMIJLV2b8=" crossorigin="anonymous"></script>
18 <script>
19 var colorTeal = "rgb(57, 204, 204)";
20
21 $(document).ready(function(){
22
23   $('#button_toggle_colors').click(function(){
24     var box1 = $('#box1');
25     if ($('#box1').css('background-color') == colorTeal) {
26       $('#box1').css('background-color', '');
27     } else {
28       $('#box1').css('background-color', colorTeal);
29     }
30     $(".box").each(function(){
31       if ($(this).hasClass('round-edge')) {
32         $(this).removeClass('round-edge');
33       } else {
34         $(this).addClass('round-edge');
35       }
36     });
37   });
38
39   $('#button_add_box').click(function(){
40     var new_box = document.createElement('div');
41     var existingBoxes = $(".box").length;
42     var nextBoxId = existingBoxes + 1;
43     $(new_box).addClass("box");
44     $(new_box).addClass("outlined");
45     $("#boxes").append(new_box);
46   });
47
48 });
49 </script>
50 </head>
51 <body>
52 <div class="container">
53 <div id="boxes">
54 <div id="box1" class="box outlined"></div>
55 <div id="box2" class="box outlined"></div>
56 <div id="box3" class="box outlined"></div>
57 </div>
58
59 <div id="toggles">
60 <h2>Toggles</h2>
61 <button class="btn" id="button_toggle_colors">Toggle Colors</button>
62 <button class="btn" id="button_toggle_roundedges">Toggle Rounded Borders</button>
63 <button class="btn" id="button_add_box">Add a New Box</button>
64 </div>
65 </div>
66 </body>
67 </html>
```

```
File Edit Selection View Go Run Terminal Help
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More

C:\Users\ASUS> Documents> CSM3103> LAB 5 - 567383 NURHASLINDA BINTI BAHARUDDIN> Lab 5_Task 2.html> ...
3 <html>
4 <head>
18 <script>
21 $(document).ready(function(){
22   $('#button_toggle_colors').click(function(){
37   });
38
39   $('#button_add_box').click(function(){
40     var new_box = document.createElement('div');
41     var existingBoxes = $(".box").length;
42     var nextBoxId = existingBoxes + 1;
43     $(new_box).addClass("box");
44     $(new_box).addClass("outlined");
45     $("#boxes").append(new_box);
46   });
47
48 });
49 </script>
50 </head>
51 <body>
52 <div class="container">
53 <div id="boxes">
54 <div id="box1" class="box outlined"></div>
55 <div id="box2" class="box outlined"></div>
56 <div id="box3" class="box outlined"></div>
57 </div>
58
59 <div id="toggles">
60 <h2>Toggles</h2>
61 <button class="btn" id="button_toggle_colors">Toggle Colors</button>
62 <button class="btn" id="button_toggle_roundedges">Toggle Rounded Borders</button>
63 <button class="btn" id="button_add_box">Add a New Box</button>
64 </div>
65 </div>
66 </body>
67 </html>
```

THE OUTPUT:



Toggles



Task 3

- a. Get the code <https://frend.odaje.biz/lab5/task3.html> , and evaluate and test the code:
 - i. Determine the id's of each element
 - ii. Recognise any input element that associated with the form
 - iii. Your Task are:
 1. Add DatePicker
 2. Use selectable interaction
 3. Use Sortable widget
 4. Use the tooltip

- b. Inserting the datepicker into a form
 - i. In the document ready function add this code

```
$('#date').datepicker();
```

- i. Can you set the date to limit the selectable date range to only include dates from the previous two weeks to the next two weeks.

- c. Using selectable for enrolment type
 - i. Comment radiobutton input
 - ii. Add the following code

```
<ol id="selectable">
  <li class="ui-widget-content" title="taking 6.813">Undergraduate</li>
  <li class="ui-widget-content" title="taking 6.831">Graduate</li>
</ol>
```

- iii. Add some css in style section


```

#selectable .ui-selecting {
    background: #FECA40; }

#selectable .ui-selected {
    background: #F39814; color: white; }

#selectable li:before { content: "\2713 "; color: transparent; }

#selectable li.ui-selecting:before { content: "\2713 "; color: black; }

#selectable li.ui-selected:before { content: "\2713 "; color: white; }

#selectable { list-style-type: none; margin: 0; padding: 0;
    width: 150px; cursor: pointer; }

#selectable li {
    margin: 3px; padding: 0.4em;
    font-size: 1.0em; height: 16px; }

```

- iv. And control the behaviour using jQuery selector

```
$("#selectable").selectable();
```

- v. How can we retrieve the value of the selected item?

- d. Using sortable for the color input

- i. Comment all input element that related to color selections
- ii. Replace with the following code

```

<ul id="sortable">
    <li class="ui-state-default">#ff0000</li>
    <li class="ui-state-default">#0000ff</li>
    <li class="ui-state-default">#ff00b3</li>
    <li class="ui-state-default">#ded447</li>
    <li class="ui-state-default">#125e18</li>
</ul>

```

- iii. Adding a control to sort the list and disable the selection

```

$("#sortable").sortable();
$("#sortable").disableSelection();

```

- iv. Check your output, now you can drag any color to a new position
- v. Add the following style to your code

```
#sortable {
  list-style-type: none;
  margin: 0;
  padding: 0;
  width: 150px;
}
#sortable li {
  margin: 0 3px 3px 3px;
  padding: 0.4em;
  padding-left: 1.5em;
  font-size: 1.0em;
  height: 12px;
}
```

- vi. What do you think this CSS did? You can reverse the step to see the changes after and before the use of CSS
- vii. Add the following span with class before color code in the in (ii) above

```
<span class="ui-icon ui-icon-arrowthick-2-n-s"></span>
```

e. Adding a Tooltip

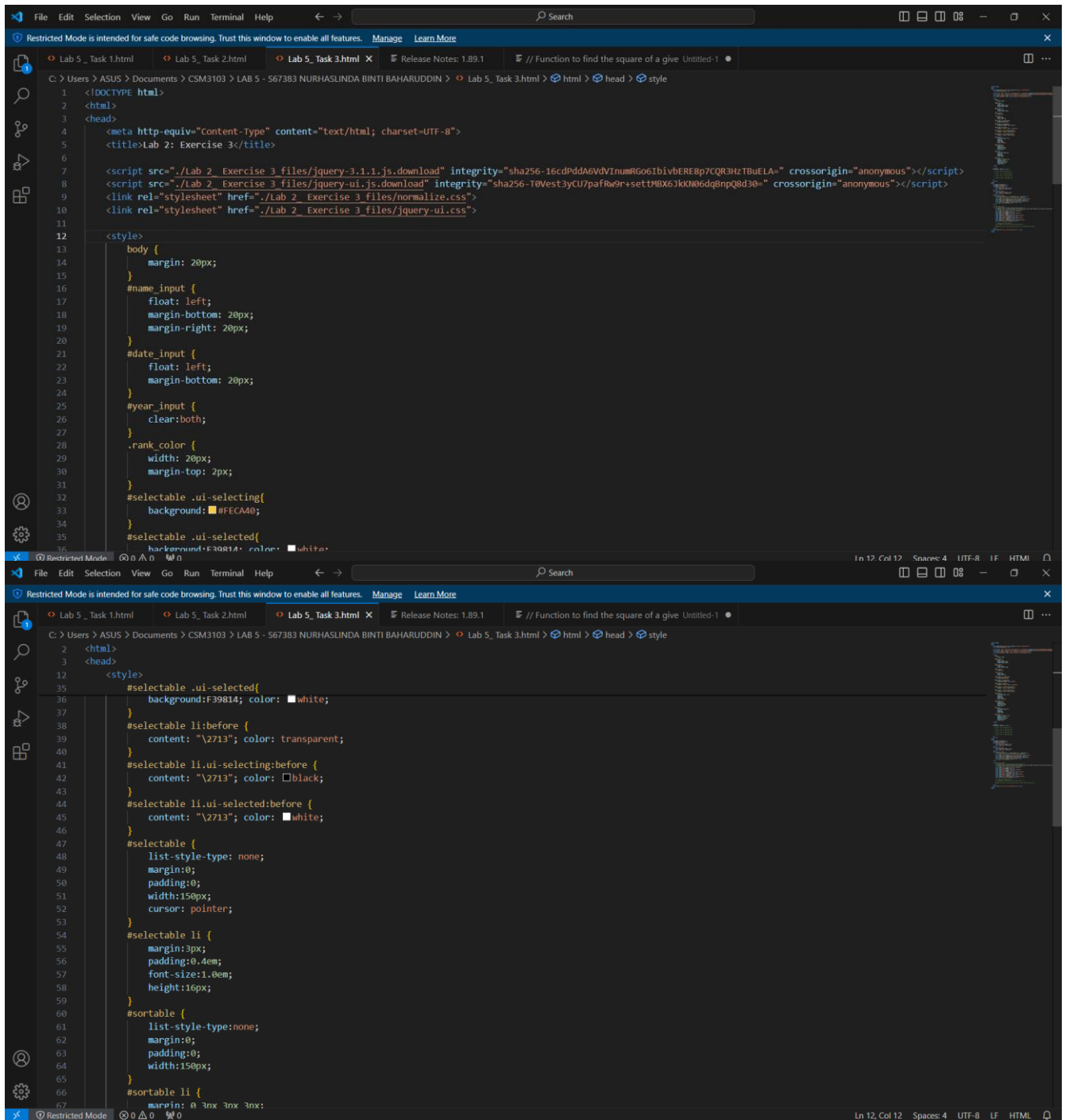
- i. Add the following code inside document ready function

```
$(document).tooltip({
  items: '[title], [class]',
  position: { my: "left center", at: "right center" },
  content: function() {
    var element = $(this);
    if (element.is('[title]')){
      return element.attr('title');
    }
    if (element.is('[class]')){
      console.log('class', element);
      if (element.hasClass('ui-state-default')) {
        var text = element.text();
        return '<div class="color_swatch" style="background:' +
          text + '></div>'
      }
    }
  }
});
```

- ii. Add the following css

```
.color_swatch{ height:50px; width: 50px; }
```

THE CODE:



The image shows a code editor window with two tabs: 'Lab 5_Task 1.html' and 'Lab 5_Task 3.html'. The active tab is 'Lab 5_Task 3.html', which contains the following code:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
5   <title>Lab 2: Exercise 3</title>
6
7   <script src="/Lab 2 Exercise 3 files/jquery-3.1.1.js.download" integrity="sha256-16cdPddA6VdV1numRGo6IbivbERE8p7CQR3H2TBUeLA=" crossorigin="anonymous"></script>
8   <script src="/Lab 2 Exercise 3 files/jquery-ui.js.download" integrity="sha256-T0Vest3yCU7pafRw9r+settMBX6JkKN06dqBnpQ8d30=" crossorigin="anonymous"></script>
9   <link rel="stylesheet" href="/Lab 2 Exercise 3 files/normalize.css">
10  <link rel="stylesheet" href="/Lab 2 Exercise 3 files/jquery-ui.css">
11
12  <style>
13    body {
14      margin: 20px;
15    }
16    #name_input {
17      float: left;
18      margin-bottom: 20px;
19      margin-right: 20px;
20    }
21    #date_input {
22      float: left;
23      margin-bottom: 20px;
24    }
25    #year_input {
26      clear: both;
27    }
28    .rank_color {
29      width: 20px;
30      margin-top: 2px;
31    }
32    #selectable .ui-selecting{
33      background: #FFCA40;
34    }
35    #selectable .ui-selected{
36      background: #F9814; color: white;
37    }
38    #selectable li:before {
39      content: "\2713"; color: transparent;
40    }
41    #selectable li.ui-selecting:before {
42      content: "\2713"; color: black;
43    }
44    #selectable li.ui-selected:before {
45      content: "\2713"; color: white;
46    }
47    #selectable {
48      list-style-type: none;
49      margin: 0;
50      padding: 0;
51      width: 150px;
52      cursor: pointer;
53    }
54    #selectable li {
55      margin: 3px;
56      padding: 0.4em;
57      font-size: 1.0em;
58      height: 16px;
59    }
60    #sortable {
61      list-style-type: none;
62      margin: 0;
63      padding: 0;
64      width: 150px;
65    }
66    #sortable li {
67      margin: 0 3px 3px 3px;
```

```
File Edit Selection View Go Run Terminal Help
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
Lab 5_Task 1.html Lab 5_Task 2.html Lab 5_Task 3.html X Release Notes: 1.89.1 // Function to find the square of a give Untitled-1
C:\Users\ASUS\Documents\CSM3103\LAB 5 - S67383 NURHASLINDA BINTI BAHARUDDIN\Lab 5_Task 3.html > html > head > style
2 <html>
3 <head>
12 <style>
66     #sortable li {
67         margin: 0 3px 3px 3px;
68         padding: 0.4em;
69         padding-left: 1.5em;
70         font-size: 1.0em;
71         height: 12px;
72     }
73 </style>
74
75 <script>
76 $(document).ready(function() {
77     /* Step 1: Your code goes here */
78
79     // Step 2: Your js code goes here
80
81     // Step 3: Your js code goes here
82
83     // Step 4: Your js code goes here
84
85 });
86 </script>
87 </head>
88 <body>
89
90 <h2>jQuery UI-Survey</h2>
91 <h3>General Information</h3>
92 <div id="name_input">
93     <label for="name">Name:</label>
94     <input type="text" id="name">
95 </div>
96 <div id="date_input">
97     <label for="date">Date:</label>
98     <input type="text" id="date">
99 </div>
```

```
File Edit Selection View Go Run Terminal Help
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
Lab 5_Task 1.html Lab 5_Task 2.html Lab 5_Task 3.html X Release Notes: 1.89.1 // Function to find the square of a give Untitled-1
C:\Users\ASUS\Documents\CSM3103\LAB 5 - S67383 NURHASLINDA BINTI BAHARUDDIN\Lab 5_Task 3.html > html > head > style
2 <html>
89 <body>
96 <div id="date_input">
98     <input type="text" id="date">
99 </div>
100 <div id="year_input">
101     <h3>Are you enrolled as an undergraduate or a graduate?</h3>
102     <!-- Comment out this part of the form after Step 2 -->
103     <input type="radio" name="enroll_year" id="ugrad" value="ugrad">
104     <label for="ugrad">Undergraduate (taking 6.813)</label><br>
105     <input type="radio" name="enroll_year" id="grad" value="grad">
106     <label for="grad">Graduate (taking 6.831)</label>
107     <!-- Step 2: Your HTML here -->
108 </div>
109
110 <div id="color_input">
111     <!-- Comment out instruction when you finish step 3 -->
112     <h3>Rank the colors listed from your most favorite (1) to your least favorite (5). Be sure to only use each ranking once.</h3>
113     <!-- Comment this part of the form out after step 3 -->
114     <input type="text" class="rank_color" id="red">
115     <label for="red">#ff0000</label><br>
116     <input type="text" class="rank_color" id="blue">
117     <label for="blue">#0000ff</label><br>
118     <input type="text" class="rank_color" id="hot_pink">
119     <label for="hot_pink">#ff00b3</label><br>
120     <input type="text" class="rank_color" id="mustard">
121     <label for="mustard">#ded447</label><br>
122     <input type="text" class="rank_color" id="dark_green">
123     <label for="dark_green">#125e18</label><br>
124
125     <!-- Step 3: Your HTML here -->
126     <!-- Uncomment instruction when you finish step 3 -->
127     <!--
128     <h3>Rank the colors from your most favorite to your least favorite:</h3>
129     -->
130 </div>
```

```
File Edit Selection View Go Run Terminal Help
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
Lab 5_Task 1.html Lab 5_Task 2.html Lab 5_Task 3.html X Release Notes: 1.89.1 // Function to find the square of a give Untitled-1
C:\Users\ASUS> Documents > CSM3103 > LAB 5 - S67383 NURHASLINDA BINTI BAHARUDDIN > Lab 5_Task 3.html > html > head > style
2 <html>
89 <body>
110 <div id="color_input">
124
125 <!-- Step 3: Your HTML here -->
126 <!-- Uncomment instruction when you finish step 3 -->
127 <!--
128 <h3>Rank the colors from your most favorite to your least favorite:</h3>
129 -->
130 </div>
131 <span class="ui-icon ui-icon-arrowthick-2-n-s"></span>
132 </body>
133 </html>
134
```

THE OUTPUT:

eUsahawan App CSF3223: Submission Link LAB Lab 5: Task 1 Lab 4: Task 2 Lab 2: Exercise 3

C:\Users\ASUS\Documents\CSM3103\LAB%205%20-%20S67383%20NURHASLINDA%20BINTI%20BAHARUDDIN\Lab%205_%20Task%203.html

jQuery UI-Survey

General Information

Name: Date:

Are you enrolled as an undergraduate or a graduate?

☐ Undergraduate (taking 6.813)
☐ Graduate (taking 6.831)

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

<input type="checkbox"/>	#ff0000
<input type="checkbox"/>	#0000ff
<input type="checkbox"/>	#ff00b3
<input type="checkbox"/>	#ded447
<input type="checkbox"/>	#125e18

Task 4

- a. Get the code from <https://frend.odaje.biz/lab5/task3.html> , and evaluate and test the code.

- b. Getting the context of the canvas

- a. Add the following code:

```
var canvas = document.getElementById("myCanvas");  
var ctx = canvas.getContext('2d');
```

- i. What is the meaning of context in this case?

- c. Drawing a triangle to canvas

- a. Setup the fillStyle, strokeStyle and lineWidth.

```
ctx.fillStyle = '#f00';  
ctx.strokeStyle = '#000';  
ctx.lineWidth = 3;
```

- b. Describe the purpose of each method in (a)

- c. Put these codes into an appropriate function:

```
ctx.beginPath();  
ctx.moveTo(60, 240);  
ctx.lineTo(240, 240);  
ctx.lineTo(150, 60);  
ctx.closePath();  
ctx.fill();  
ctx.stroke();
```

- d. Test you code and evaluate the output

- e. Rearrange the position of coordinate and test your code.

- f. What is the use of moveTo methods above?

- d. a new rotate triangle function

- a. Set the new position of the new triangle at the middle of previous triangle

```
ctx.translate(canvas.width / 2, canvas.height / 2);  
ctx.rotate(Math.PI / 4);  
ctx.beginPath();
```

- b. Start drawing a new triangle using a new coordinate

```
ctx.moveTo(-90, 90);  
ctx.lineTo(90, 90);  
ctx.lineTo(0, -90);  
  
ctx.closePath();  
ctx.fill();  
ctx.stroke();
```

- c. Test and evaluate your result.

- d. You can press the rotate many times, and can have different triangle at different location, why it's happened?

- e. Clear the canvas

- a. Put this code to clear the canvas

```
ctx.clearRect(0, 0, canvas.width, canvas.height);
```

- b. Can you write more better clear canvas , to clear all canvas

THE CODE:

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="UTF-8">
5 <title>Lab 2: Exercise 3</title>
6
7 <script src="https://code.jquery.com/jquery-3.6.0.min.js" integrity="sha256-/xUj+3OuyE/h1/Px866rJF85mp/uu7G1UEmOnkrpHa2Q=" crossorigin="anonymous"></script>
8 <script src="https://code.jquery.com/ui/1.13.2/jquery-ui.min.js" integrity="sha256-j/KQ8+F/9qYqjnsSVfUdHsPyaeKx0DgyEYszUuW8=" crossorigin="anonymous"></script>
9
10 <link rel="stylesheet" href="normalize.css">
11 <link rel="stylesheet" href="jquery-ui.css">
12
13 <style>
14   body {
15     margin: 20px;
16   }
17
18   #name_input,
19   #date_input,
20   #year_input,
21   #color_input {
22     margin-bottom: 20px;
23   }
24
25   #name_input,
26   #date_input {
27     float: left;
28     margin-right: 20px;
29   }
30
31   #year_input {
32     clear: both;
33   }
34
35   .rank_color {
36     width: 20px;
37     margin-top: 2px;
38   }
39
40   /* Canvas styles (assuming a canvas element with ID "myCanvas" exists) */
41   #myCanvas {
42     border: 1px solid #ccc; /* Add a border for better visibility */
43   }
44
45   /* Improved canvas drawing (corrected syntax and added fill style) */
46   #myCanvas {
47     width: 300px; /* Set a fixed canvas width */
48     height: 150px; /* Set a fixed canvas height */
49   }
50
51   .canvas-drawing { /* Assuming a class for drawing styles */
52     fill: #f00; /* Set fill style for the shape */
53     stroke: #000;
54     stroke-width: 3;
55   }
56 </style>
57
58 <script>
59 $(document).ready(function() {
60
61   /* Assuming a canvas element with ID "myCanvas" exists */
62   var canvas = document.getElementById("myCanvas");
63   var ctx = canvas.getContext('2d');
64
65   ctx.beginPath();
66   ctx.moveTo(60, 240);

```



```
File Edit Selection View Go Run Terminal Help
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
C:\Users\ASUS> Documents > CSM3103 > LAB 5 - S67383 NURHASLINDA BINTI BAHARUDDIN > Lab 5_Task 4.html > html > body > div#year_input > input
2 <html>
3 <head>
58 <script>
59 $(document).ready(function() {
66 ctx.moveTo(60, 240);
67 ctx.lineTo(240, 240);
68 ctx.lineTo(150, 60);
69 ctx.closePath();
70 ctx.fillStyle = '#f00'; /* Set fill style before filling */
71 ctx.fill();
72 ctx.stroke();
73
74 ctx.beginPath();
75 ctx.moveTo(-90, 90);
76 ctx.lineTo(90, -90);
77 ctx.lineTo(0, -90);
78 ctx.closePath();
79 ctx.fill();
80 ctx.stroke();
81
82 /* Step 2: Your JavaScript code for the radio buttons goes here */
83
84 /* Step 3: Your JavaScript code for the color ranking goes here */
85
86 /* Step 4: Your additional JavaScript code goes here (optional) */
87 });
88 </script>
89 </head>
90 <body>
91 <h2>jQuery UI-Survey</h2>
92 <h3>General Informations</h3>
93 <div id="name_input">
94 <label for="name">Name:</label>
95 <input type="text" id="name">
96 </div>
97 <div id="date_input">
98 <label for="date">Date:</label>
99 <input type="text" id="date">
100 </div>
101 <div id="year_input">
102 <h3>Are you enrolled as an undergraduate or a graduate?</h3>
103
104 <input type="radio" name="enroll_year" id="ugrad" value="ugrad">
105 <label for="ugrad">Undergraduate (taking 6.813)</label><br>
106 <input type="radio" name="enroll_year">
107 <label for="grad">Graduate (taking 6.831)</label>
108
109 <!-- Step 2: Your HTML here -->
110 </div>
111
112 <div id="color_input">
113 <!-- Comment out instruction when you finish step 3 -->
114 <h3>Rank the colors listed from your most favorite (1)
115 to your least favorite (5). Be sure to only use each ranking once.</h3>
116 <!-- Comment this part of the form out after step 3 -->
117 <input type="text" class="rank_color" id="red">
118 <label for="red">#ff0000</label><br>
119 <input type="text" class="rank_color" id="blue">
120 <label for="blue">#0000ff</label><br>
121 <input type="text" class="rank_color" id="hot_pink">
122 <label for="hot_pink">#ff00b3</label><br>
123 <input type="text" class="rank_color" id="mustard">
124 <label for="mustard">#ded447</label><br>
125 <input type="text" class="rank_color" id="dark_green">
126 <label for="dark_green">#125e18</label><br>
127
128 <!-- Step 3: Your HTML here -->
129 <!-- Uncomment instruction when you finish step 3 -->
130
```



```
File Edit Selection View Go Run Terminal Help
C:\Users\ASUS> Documents > CSM3103 > LAB 5 - 567383 NURHASLUNDA BINTI BAHARUDDIN > Lab 5_Task 4.html > html > body > div#color_input
2 <html>
90 <body>
112 <div id="color_input">
127
128 <!-- Step 3: Your HTML here -->
129 <!-- Uncomment instruction when you finish step 3 -->
130 <!--
131 <h3>Rank the colors from your most favorite to your least favorite:</h3>
132 -->
133 </div>
134
135
```

THE OUTPUT:

jQuery UI-Survey

General Information

Name: Date:

Are you enrolled as an undergraduate or a graduate?

☐ Undergraduate (taking 6.813)
☐ Graduate (taking 6.831)

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

☐ #ff0000
☐ #0000ff
☐ #ff00b3
☐ #ded447
☐ #125e18