

Internet and Web Programming  
CSE3002  
Fall Semester 2020-21

Lab Assignment 5

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**18BCE0265**

**Question:**

Write a program to demonstrate the concept of JQuery.

- i. Create three buttons with labels red, green, blue, when the mouse is moved over it, the background color has to be changed respectively.
- ii. Create a HTML page holding a list of items and an [Extract Text] button. Implement the extractText function which will be called when the button's onClick event is fired.
- iii. Create a HTML page that holds a list of towns, a search box and a [Search] button. Implement the search function to bold the items from the list which include the text from the search box.
- iv. Disable/enable the form submit button. Disable the submit button until the visitor has clicked a check box.
- v. Distinguish between left and right mouse click.
- vi. Remove style added with .css() function.

**Code:**

**index.html**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Lab Assignment 18BCE0265</title>
  <link rel="stylesheet" type="text/css" href="style.css">
  <link rel="stylesheet" type="text/css"
href="https://stackpath.bootstrapcdn.com/ bootstrap/4.5.2/css/bootstrap.min.css">
  <script src="https://code.jquery.com/jquery-3.5.1.js" integrity="sha256-
QWo7LDvxbWT2tbbQ97B53yJnYU3WhH/C8ycbRAkjPDc=" crossorigin="anonymous"></script>
</head>
<body>
  <div class="container-button">
    <button id="red-button">RED</button>
```

```

        <button id="green-button">GREEN</button>
        <button id="blue-button">BLUE</button>
    </div>
    <div class="container-extract-text">
        <p id="extract">This text will be extracted in the text field!</p>
        <br>
        <button id="extract-text">Extract Text</button>
        <br>
        <p id="text">Click the button to extract text from list</p>
    </div>
    <div class="container-search">
        <ul id="cities">
            <li>Delhi</li>
            <li>Mumbai</li>
            <li>Chennai</li>
            <li>Bangalore</li>
            <li>Hyderabad</li>
            <li>Kolkata</li>
        </ul>
        <br>
        <input type="text" id="search-field" placeholder="Search" required>
        <button id="search-button">Search</button>
        <br>
    </div>
    <div class="container-submit">
        <input type="checkbox" id="check">
        <button id="submit-button">Submit</button>
    </div>
    <div class="container-mouse">
        <p>Use this area to detect mouse click</p>
    </div>
    <div class="container-css">
        <p id="css-text">I am ISHAAN OHRI. My Reg. No. 18BCE0265</p>
        <div class="but">
            <button id="add-css" >Add</button>
            <button id="remove-css" >Remove</button>
        </div>
    </div>
</body>
<script src="app.js"></script>
</html>

```

## style.css

```

#red-button{
    background-color: white;
    color: red;
    font-size: x-large;
    padding-right: 30px;
    padding-left: 30px;
    padding-top: 10px;
}

```

```
padding-bottom: 10px;
border-style: solid;
border-width: 2px;
border-color: black;
border-radius: 5px;
}
#green-button{
background-color: white;
color: green;
font-size: x-large;
padding-right: 30px;
padding-left: 30px;
padding-top: 10px;
padding-bottom: 10px;
border-style: solid;
border-width: 2px;
border-color: black;
border-radius: 5px;
}
#blue-button{
background-color: white;
color: blue;
font-size: x-large;
padding-right: 30px;
padding-left: 30px;
padding-top: 10px;
padding-bottom: 10px;
border-style: solid;
border-width: 2px;
border-color: black;
border-radius: 5px;
}
#extract-text{
background-color: white;
color: deepskyblue;
font-size: x-large;
padding-right: 30px;
padding-left: 30px;
padding-top: 10px;
padding-bottom: 10px;
border-style: solid;
border-width: 2px;
border-color: white;
border-radius: 5px;
}
#search-button{
height: 50px;
width: 150px;
color: mediumvioletred;
background-color: white;
font-size: x-large;
```

```
padding-right: 30px;
padding-left: 30px;
padding-top: 10px;
padding-bottom: 10px;
border-style: solid;
border-width: 2px;
border-color: white;
border-radius: 5px;
}
#submit-button{
  height: 50px;
  width: 150px;
  background-color: white;
  font-size: x-large;
  padding-right: 30px;
  padding-left: 30px;
  padding-top: 10px;
  padding-bottom: 10px;
  border-style: solid;
  border-width: 2px;
  border-color: white;
  border-radius: 5px;
}
.container-extract-text{
  height: 500px;
  width: 100%;
  background-color: deepskyblue;
  display: flex;
  justify-content: center;
  justify-content: space-around;
  align-items: center;
}
.container-button{
  height: 500px;
  width: 100%;
  display: flex;
  justify-content: center;
  justify-content: space-around;
  align-items: center;
}
.container-search{
  height: 500px;
  width: 100%;
  background-color: mediumvioletred;
  display: flex;
  justify-content: center;
  justify-content: space-around;
  align-items: center;
}
.container-submit{
  height: 500px;
```

```
width: 100%;
background-color: violet;
display: flex;
justify-content: center;
justify-content: space-around;
align-items: center;
}
.container-mouse{
height: 500px;
width: 100%;
background-color: coral;
display: flex;
justify-content: center;
justify-content: space-around;
align-items: center;
}
.container-css{
height: 500px;
width: 100%;
background-color: limegreen;
display: flex;
justify-content: center;
justify-content: space-around;
align-items: center;
}
#cities{
font-size: xx-large;
font-family: Verdana, Geneva, Tahoma, sans-serif;
list-style: none;
color:white;
}
p{
font-size: x-large;
font-family: Verdana, Geneva, Tahoma, sans-serif;
list-style: none;
color:white;
}
#check{
height: 150px;
width: 150px;
}
#add-css,
#remove-css{
height: 50px;
width: 150px;
background-color: white;
color: limegreen;
font-size: x-large;
padding-right: 30px;
padding-left: 30px;
padding-top: 10px;
```

```

padding-bottom: 10px;
border-style: solid;
border-width: 2px;
border-color: white;
border-radius: 5px;
}
.test{
font-size:50px;
color: darkmagenta;
font-weight: bolder;
}
#search-field{
height: auto;
width: auto;
font-size: x-large;
padding-right: 30px;
padding-left: 30px;
padding-top: 10px;
padding-bottom: 10px;
border-style: solid;
border-width: 2px;
border-color: white;
border-radius: 5px;
}

```

## script.js

```

$(document).ready(function(){
    $('#red-button')
    .mouseover(function(){
        $('.container-button').css('background-color','red')
    })
    .mouseout(function(){
        $('.container-button').css('background-color','white')
    })

    $('#blue-button')
    .mouseover(function(){
        $('.container-button').css('background-color','blue')
    })
    .mouseout(function(){
        $('.container-button').css('background-color','white')
    })

    $('#green-button')
    .mouseover(function(){
        $('.container-button').css('background-color','green')
    })
    .mouseout(function(){
        $('.container-button').css('background-color','white')
    })
})

```

```
$('#extract-text').click(function(){
    $('#text').text($('#extract').text())
})

$('#check').click(function(){
    if($('#check')[0].checked){
        $('#submit-button').prop('disabled', false);
    }else{
        $('#submit-button').prop('disabled', true);
    }
})

$('.container-mouse').click(function(event){
    if(event.button == 0){
        alert('Left Click')
    }
    else if(event.button == 2){
        alert('Right Click')
    }
})

$('#add-css').click(function(){
    $('#css-text').addClass("test")
})
$('#remove-css').click(function(){
    $('#css-text').removeClass("test")
})

$('#search-button').click(function(){
    $('#cities li').each(function(i, li){
        const city = $(li);
        city.css('font-weight', 'lighter')
    })
    const search = $('#search-field').val()
    if(search.length == 0){
        alert('Empty text field')
    }else{
        $('#cities li').each(function(i, li){
            const city = $(li);
            if(city[0].innerText.includes(search)){
                city.css('font-weight', 'bolder')
            }
        })
    }
})
})
})
```

Output:









