

TY. B. Tech.

CS3215: Web Technology

Assignment No: 05

Title: Develop a website using toggleable or dynamic tabs or pills with bootstrap and JQuery.

Date of Assignment: 3/12/2022

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Academic Year: 2022~23

Semester: I

HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Bootstrap Dynamic Tabs</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet"
href="http://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/css/bootstrap.min.cs
s">
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"><
/script>
  <script
src="http://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/js/bootstrap.min.js">
</script>

  <link rel="stylesheet" href="index.css">
  <script src="bootstrap.js"></script>
</head>
<body>
<div class="container">
  <h3>Tabs</h3>
  <h4>Resize browser to see responsiveness</h4>
  <br>
  <ul id="mytabs" class="nav nav-pills">
    <li class="active"><a href="#home" data-toggle="pill">Home</a></li>
    <li><a href="#menu1" data-toggle="pill">This is Menu item 1</a></li>
    <li><a href="#menu2" data-toggle="pill">This is Menu item 2</a></li>
    <li><a href="#menu3" data-toggle="pill">This is Menu item 3</a></li>
    <li><a href="#menu4" data-toggle="pill">This is Menu item 4</a></li>
    <li><a href="#menu5" data-toggle="pill">This is Menu item 5</a></li>
    <li><a href="#menu6" data-toggle="pill">This is Menu item 6</a></li>
    <li><a href="#menu7" data-toggle="pill">This is Menu item 7</a></li>
    <li><a href="#menu8" data-toggle="pill">This is Menu item 8</a></li>
    <li><a href="#menu9" data-toggle="pill">This is Menu item 9</a></li>
    <li><a href="#menu10" data-toggle="pill">This is Menu item
10</a></li>
  </ul>
  <div class="tab-content">
    <div id="home" class="tab-pane fade in active">
      <h3>HOME</h3>
      <p>Some content.</p>
    </div>
```

```
<div id="menu1" class="tab-pane fade">
  <h3>Menu 1</h3>
  <p>Some content in menu 1.</p>
</div>
<div id="menu2" class="tab-pane fade">
  <h3>Menu 2</h3>
  <p>Some content in menu 2.</p>
</div>
<div id="menu3" class="tab-pane fade">
  <h3>Menu 3</h3>
  <p>Some content in menu 2.</p>
</div>
<div id="menu4" class="tab-pane fade">
  <h3>Menu 4</h3>
  <p>Some content in menu 2.</p>
</div>
<div id="menu5" class="tab-pane fade">
  <h3>Menu 5</h3>
  <p>Some content in menu 2.</p>
</div>
<div id="menu6" class="tab-pane fade">
  <h3>Menu 6</h3>
  <p>Some content in menu 2.</p>
</div>
<div id="menu7" class="tab-pane fade">
  <h3>Menu 7</h3>
  <p>Some content in menu 2.</p>
</div>
<div id="menu8" class="tab-pane fade">
  <h3>Menu 8</h3>
  <p>Some content in menu 2.</p>
</div>
<div id="menu9" class="tab-pane fade">
  <h3>Menu 9</h3>
  <p>Some content in menu 2.</p>
</div>
<div id="menu10" class="tab-pane fade">
  <h3>Menu 10</h3>
  <p>Some content in menu 2.</p>
</div>
</div>
<script>
$("#mytabs").bootstrapDynamicTabs();
</script>
```

```
</div>

</body>
</html>
```

CSS CODE:

```
.dynamic-tabs {
    width: 100%;
    float: left;
}

.dynamic-tabs-container {
    position: relative;
}

.dynamic-tabs-container .dynamic-tabs {
    padding-right: 50px;
}

.dynamic-tabs-container .tabs-dropdown {
    position: absolute;
    right: 0;
    margin-right: 0 !important;
}

.dynamic-tabs-container .tabs-dropdown.navbar-nav {
    margin: 0 !important;
}

.dynamic-tabs-container .tabs-dropdown .dropdown-toggle {
    position: relative;
    display: block;
}

@media only screen and (max-width: 767px) {
    .dynamic-tabs-container .tabs-dropdown .dropdown-menu {
        position: fixed;
        top: 20px;
        right: 20px;
        bottom: 20px;
        left: 20px;
        padding-top: 10px;
        padding-bottom: 10px;
        overflow-y: scroll;
    }
}
```

```
.dynamic-tabs-container .tabs-dropdown .dropdown-menu li a {  
    padding-top:10px;  
    padding-bottom:10px;  
}  
  
.dynamic-tab {  
    width: 100%;  
}  
}
```

BOOTSTRAP CODE:

```
(function ($) {  
    $.fn.bootstrapDynamicTabs = function () {  
  
        this.each(function () {  
            var $horizontalContainer = $(this);  
  
            function DynamicTabs() {  
  
                // create wrapper and menu if first time  
                if ($horizontalContainer.parent('.dynamic-tabs-  
container').length === 0) {  
  
                    // add wrapper  
                    $horizontalContainer.addClass("dynamic-  
tabs").wrap("<div class='dynamic-tabs-container clearfix'></div>");  
  
                    // Attach a dropdown to the right of the tabs bar  
                    // This will be toggled if tabs can't fit in a given  
viewport size  
                    $horizontalContainer.after(  
                        "<div class='nav navbar-nav navbar-right dropdown  
tabs-dropdown'><a href='#' class='btn btn-default dropdown-toggle' data-  
toggle='dropdown'><span class='glyphicon glyphicon-th' style='font-size:  
1.6em;'></a><ul class='dropdown-menu' role='menu'><div class='dropdown-  
header visible-xs'><p class='count'>Tabs</p><button type='button'  
class='close' data-dismiss='dropdown'><span aria-  
hidden='true'>&times;</span></button><div class='divider visible-  
xs'></div></div></ul></div>"  
                    );  
                }  
            }  
        })  
    }  
})
```

```
// Mark each tab with a 'tab-id' for easy access
var $tabs = $horizontalContainer.children('li');
$tabs.each(function (i) {
    $(this)
        .addClass("dynamic-tab")
        .attr("tab-id", i);
});

// Update tabs funtion
var updateTabs = function () {

    var i, horizontalTab, tabId, verticalTab, tabWidth,
isVisible;

    var availableWidth = $horizontalContainer.width();
    var numVisibleHorizontalTabs = 1;

    var activeTab = $horizontalContainer.find('.active');
    var activeTabIndex = activeTab.index();

    // active tab is always visible
    activeTab.toggleClass('hidden', false);
    availableWidth = availableWidth -
activeTab.outerWidth(true);

    // Determine which tabs to show/hide
    var $tabs = $horizontalContainer.children('li');

    // from active to first
    for (i = activeTabIndex - 1; i >= 0; i--) {
        horizontalTab = $tabs.eq(i);
        if (availableWidth > 0) {
            horizontalTab.toggleClass('hidden', false);
            tabWidth = horizontalTab.outerWidth(true);
            isVisible = tabWidth <= availableWidth;
            if (isVisible) {
                availableWidth = availableWidth -
tabWidth;

                numVisibleHorizontalTabs++;
            } else {
                availableWidth = -1;
            }
        } else {
            isVisible = false;
        }
    }
};
```

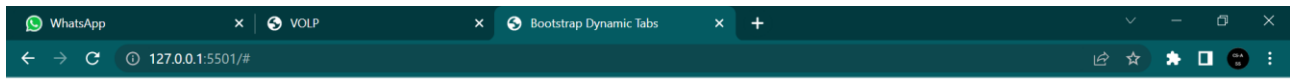
```
    }  
    horizontalTab.toggleClass('hidden', !isVisible);  
  }  
  
  // from active to last  
  for (i = activeTabIndex + 1; i < $tabs.length; i++) {  
    horizontalTab = $tabs.eq(i);  
    if (availableWidth > 0) {  
      horizontalTab.toggleClass('hidden', false);  
      tabWidth = horizontalTab.outerWidth(true);  
      isVisible = tabWidth <= availableWidth;  
      if (isVisible) {  
        availableWidth = availableWidth -  
tabWidth;  
  
        numVisibleHorizontalTabs++;  
      } else {  
        availableWidth = -1;  
      }  
    } else {  
      isVisible = false;  
    }  
    horizontalTab.toggleClass('hidden', !isVisible);  
  }  
  
  // Toggle the Tabs dropdown if there are more tabs  
than can fit in the tabs horizontal container  
  var numVisibleVerticalTabs = $tabs.length -  
numVisibleHorizontalTabs;  
  var hasVerticalTabs = (numVisibleVerticalTabs > 0);  
  $horizontalContainer.siblings(".tabs-  
dropdown").toggleClass("hidden", !hasVerticalTabs);  
  };  
  
  // tabs dropdown event  
  var onDropDow = function () {  
    // Clone each tab into the dropdown  
    var $verticalContainer =  
$horizontalContainer.siblings(".tabs-dropdown").find(".dropdown-menu");  
  
    $verticalContainer.html("");  
    $verticalContainer.css("z-index", 1050);  
  
    $horizontalContainer.children('li').each( function  
(index, element) {
```

```
        if ($(element).children('a').css("display") !==  
'none') {  
            var htab = document.createElement("li");  
  
            $(htab).append('<a  
href="#">'+$(element).children('a').html()+'</a>');  
            $(htab).toggleClass('active',$(element).hasClass('active'));  
  
            $(htab).attr("tab-id", index);  
            $(htab).on("click", function (e) {  
                $horizontalContainer.find("[tab-id=" +  
$(this).attr("tab-id") + "]" a").tab("show");  
                updateTabs();  
            });  
            $verticalContainer.append(htab);  
        }  
    });  
};  
$horizontalContainer.siblings(".tabs-  
dropdown").off('show.bs.dropdown').on('show.bs.dropdown', onDropDow);  
  
// update tabs  
updateTabs();  
  
// Update tabs on window resize  
$(window).off("resize.dyntabs").on("resize.dyntabs",  
function () {  
    updateTabs();  
});  
}  
  
return new DynamicTabs();  
});  
};  
(jQuery));
```

OUTPUT:

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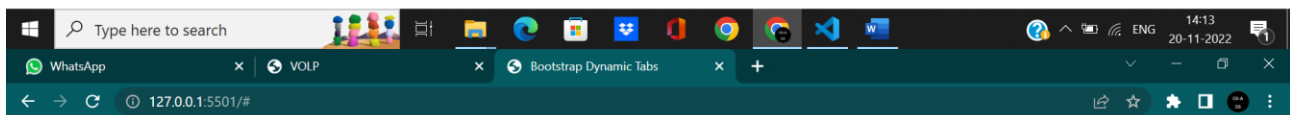
Tabs

Resize browser to see responsiveness



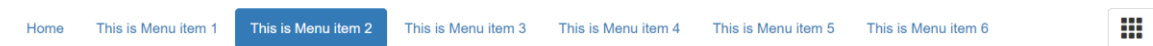
HOME

Some content.



Tabs

Resize browser to see responsiveness



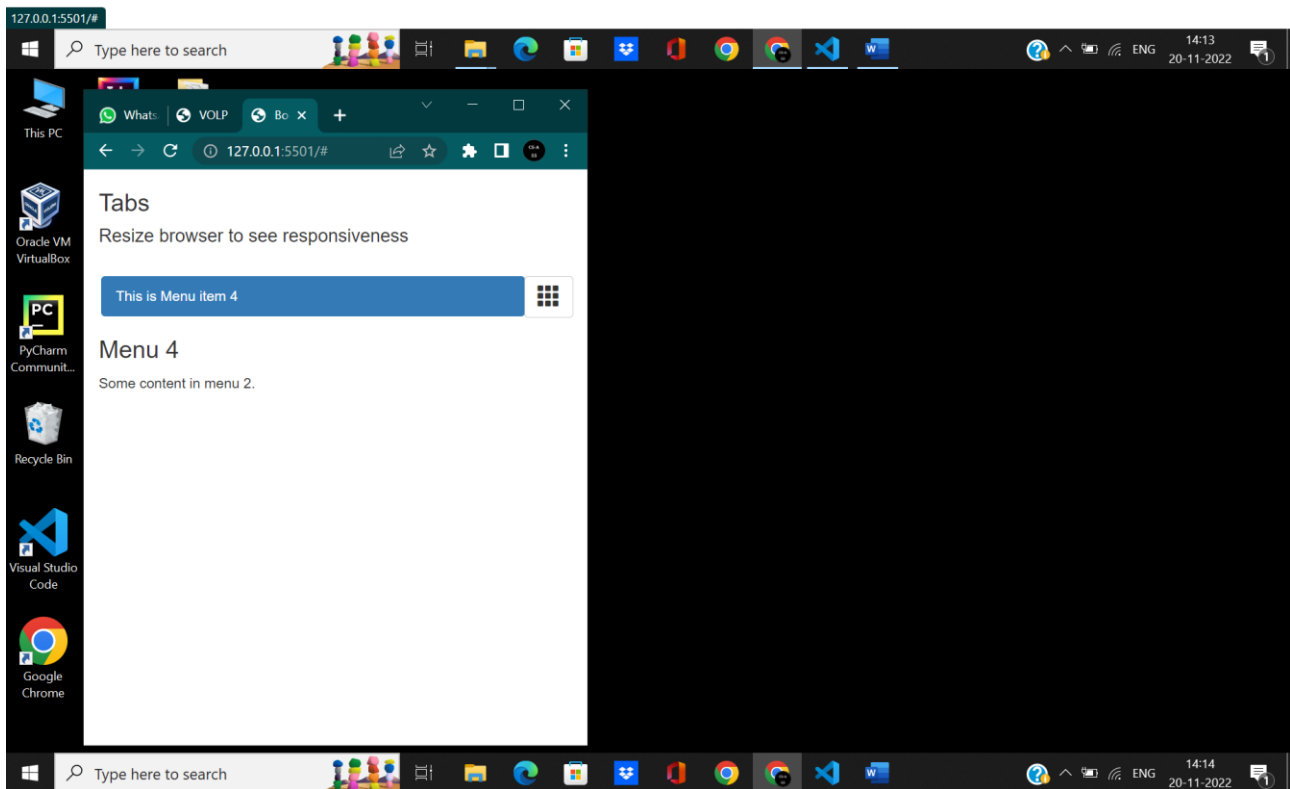
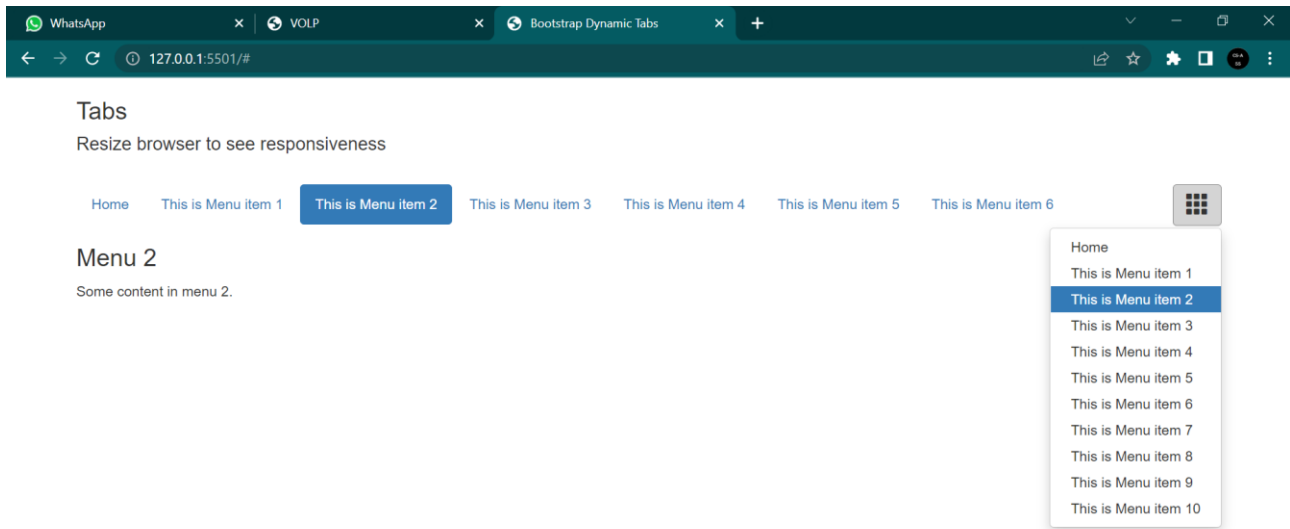
Menu 2

Some content in menu 2.



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