

Exercise (Instructions): More Bootstrap and JQuery

Objectives and Outcomes

In this exercise we extend the previous exercise of controlling the carousel by using more JQuery and JavaScript to write JavaScript code to control the JS component. At the end of this exercise you will be able to:

- Use Bootstrap's JS component methods together with JQuery and Javascript
- Use JS code to control the Bootstrap JS component

Modifying the Carousel Control Buttons

- We will modify the carousel control buttons in the carousel component that we already included in the index.html page. Instead of two buttons, we will use a single button that will indicate if the carousel is currently cycling or paused. Furthermore we can use the button to toggle the carousel cycling behavior:

```
1      <button class="btn btn-danger btn-sm" id="carousel-button">
2          <span id="carousel-button-icon" class="fa fa-pause"></span>
3      </button>
```

We are adding a single button inside a button group with the ID carousel-button. The buttons will show either as a pause or play button based on the current behavior of the carousel.

Modifying CSS Class for the Button

- Next, we add the following CSS class to styles.css file to position the button at the bottom-right corner of the carousel:

```
1  #carousel-button {
2      right: 0px;
3      position: absolute;
4      bottom: 0px;
5  }
```

Modifying JavaScript Code

- Finally we modify the JavaScript code to control the behavior of the carousel and also show the appropriate button:

```

1      $("#carousel-button").click(function(){
2          if ($("#carousel-button").children("span").hasClass('fa-pause'))
3              {
4                  $("#mycarousel").carousel('pause');
5                  $("#carousel-button").children("span").removeClass('fa
6                  -pause');
7                  $("#carousel-button").children("span").addClass('fa-play');
8              }
9          else if ($("#carousel-button").children("span").hasClass('fa
10         -play')){
11              $("#mycarousel").carousel('cycle');
12              $("#carousel-button").children("span").removeClass('fa-play'
13              );
14              $("#carousel-button").children("span").addClass('fa-pause');
15          }
16      });

```

- Do a Git commit with the message "More Bootstrap JQuery".

Conclusions

In this exercise we learnt more about Bootstrap's JS component methods and how they can be used together with JQuery and JavaScript to control the behavior of a Bootstrap JS component.

Mark as completed

