Exercise: Forms

Objectives and Outcomes

In this exercise, we will examine user input for a website through the use of Forms support in Bootstrap. At the end of this exercise, you will be able to:

- Design a form using various form elements and style the form using Bootstrap form classes

Adding a Basic Form

- We will add a simple form to the page at the location identified by "Form goes here". Add the following code to page to create a simple horizontal form with two fields:

```
1    <form>
2        <div class="form-group row">
3            <label for="firstname" class="col-md-2 col-form-label"
                >First Name</label>
4            <div class="col-md-10">
5                <input type="text" class="form-control" id
                    ="firstname" name="firstname" placeholder="First
                    Name">
6            </div>
7        </div>
8        <div class="form-group row">
9            <label for="lastname" class="col-md-2 col-form-label"
                >Last Name</label>
10           <div class="col-md-10">
11               <input type="text" class="form-control" id
                    ="lastname" name="lastname" placeholder="Last
                    Name">
12           </div>
13       </div>
14   </form>
15
16
```

This creates a form with two elements in the form. Note that the class *row* in the form enables us to use the Bootstrap grid system. Hence we can style the contents using the column classes as appropriate.

Adding a Input Group with addons

- We now see the use of an input-group together with input-group-addons. Let us add fields to seek user's telephone number and email:

```
1     <div class="form-group row">
2         <label for="telnum" class="col-12 col-md-2 col-form
            -label">Contact Tel.</label>
3         <div class="col-5 col-sm-4 col-md-3">
4             <div class="input-group">
5                 <div class="input-group-addon">(</div>
6                     <input type="tel" class="form-control" id
                        ="areacode" name="areacode" placeholder
                        ="Area code">
7                 <div class="input-group-addon">)</div>
8             </div>
9         </div>
10        <div class="col-7 col-sm-6 col-md-7">
11            <input type="tel" class="form-control" id="telnum"
                name="telnum" placeholder="Tel. number">
12        </div>
13    </div>
14    <div class="form-group row">
15        <label for="emailid" class="col-md-2 col-form-label"
            >Email</label>
16        <div class="col-md-10">
17            <input type="email" class="form-control" id
                ="emailid" name="emailid" placeholder="Email">
18        </div>
19    </div>
```

Note the use of the *input-group* and *input-group-addon* classes.

Adding a Checkbox and Select

- We now see the addition of a checkbox and a select element to the form. Note the styling of these
  elements using Bootstrap classes:

```
1     <div class="form-group row">
2         <div class="form-check col-md-6 offset-md-2">
3             <label class="form-check-label">
4                 <input type="checkbox" class="form-check-input"
                    name="approve" value="">
5                 <strong>May we contact you?</strong>
6             </label>
7         </div>
8         <div class="col-md-3 offset-md-1">
9             <select class="form-control">
10                <option>Tel.</option>
11                <option>Email</option>
12            </select>
13        </div>
14    </div>
```


Adding a textarea

- Next we add a textarea for the users to submit their feedback comments as follows:

```
1     <div class="form-group row">
2         <label for="feedback" class="col-md-2 col-form-label"
            >Your Feedback</label>
3         <div class="col-md-10">
4             <textarea class="form-control" id="feedback" name
                ="feedback" rows="12"></textarea>
5         </div>
6     </div>
```

Adding the Submit Button

- Finally, we add the submit button to the form as follows:

```
1                        <div class="form-group row">
2                            <div class="offset-md-2 col-md-10">
3                                <button type="submit" class="btn btn-primary">Send
                                   Feedback</button>
4                            </div>
5                        </div>
```

Note the declaration of the type for the button to *submit*.

- Remember to do a Git commit with the message "Forms"

Conclusions

We have learnt how to add a form and style the form using Bootstrap form classes.

Mark as completed