Lesson 06 Demo 05

Forms

Objective: To build a form using Bootstrap
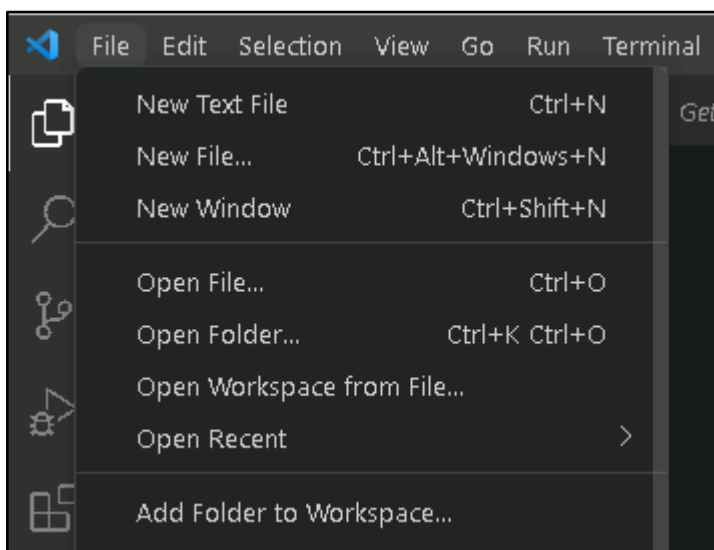
Tools required: Ubuntu Linux VM

Prerequisites: Visual Studio Code, Browser

Steps to be followed:

1. Building a form using Bootstrap
2. Viewing the results in the local browser

Step 1: Building a form using Bootstrap

1.1 Open **Visual Studio Code** and right-click on the **File** menu of the code editor. Select **New File:**

1.2 Enter the below code:

```html
<!DOCTYPE html>
<html lang="en">
<head>

  <title>Web Development Blog</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">

  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.3/css/bootstrap.min.css"
integrity="sha384-
MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO"
crossorigin="anonymous">
</head>

<body>


<form class="needs-validation" novalidate>
  <div class="form-row">
    <div class="col-md-4 mb-3">
      <label for="validationCustom01">First name</label>
      <input type="text" class="form-control" id="validationCustom01" placeholder="First
name" required>
      <div class="valid-feedback">
        Looks good!
      </div>
    </div>
    <div class="col-md-4 mb-3">
      <label for="validationCustom02">Last name</label>
      <input type="text" class="form-control" id="validationCustom02" placeholder="Last
name" required>
      <div class="valid-feedback">
        Looks good!
      </div>
    </div>
```

```html
<div class="col-md-4 mb-3">
  <label for="validationCustomUsername">Username</label>
  <div class="input-group">
   <div class="input-group-prepend">
    <span class="input-group-text" id="inputGroupPrepend">@</span>
   </div>
   <input type="text" class="form-control" id="validationCustomUsername" placeholder="Username" aria-describedby="inputGroupPrepend" required>
    <div class="invalid-feedback">
     Please choose a username.
    </div>
   </div>
  </div>
 </div>
 <div class="form-row">
  <div class="col-md-6 mb-3">
   <label for="validationCustom03">City</label>
   <input type="text" class="form-control" id="validationCustom03" placeholder="City" required>
    <div class="invalid-feedback">
     Please provide a valid city.
    </div>
   </div>
   <div class="col-md-3 mb-3">

    <label for="validationCustom04">State</label>
    <input type="text" class="form-control" id="validationCustom04" placeholder="State" required>
     <div class="invalid-feedback">
      Please provide a valid state.
     </div>
    </div>
    <div class="col-md-3 mb-3">
     <label for="validationCustom05">Zip</label>
     <input type="number" class="form-control" id="validationCustom05" placeholder="Zip" required>
      <div class="invalid-feedback">
       Please provide a valid zip.
```

```html
      </div>
    </div>
  </div>
  <div class="col-md-3 mb-3">
  <label for="disabledInput">Topics I like to read about:</label>
  <input class="form-control" id="disabledInput" type="text" placeholder="Web Development" disabled>
  </div>
    <p> Where did you find us? </p>
    <div class="form-check form-check-inline">
      <input class="form-check-input" type="radio" id="inlineRadio1" value="option1">
      <label class="form-check-label" for="inlineRadio1">Facebook</label>
    </div>
    <div class="form-check form-check-inline">
      <input class="form-check-input" type="radio" id="inlineRadio2" value="option2">
      <label class="form-check-label" for="inlineRadio2">LinkedIn</label>
    </div>
    <div class="form-check form-check-inline">
      <input class="form-check-input" type="radio" id="inlineRadio3" value="option3">
      <label class="form-check-label" for="inlineRadio3">Google Search</label>
    </div>
    <div class="form-group">
      <div class="form-check">
        <input class="form-check-input" type="checkbox" value="" id="invalidCheck" required>

        <label class="form-check-label" for="invalidCheck">
          Agree to terms and conditions
        </label>
        <div class="invalid-feedback">You must agree before submitting.</div>
      </div>
    </div>
    <button class="btn btn-primary" type="submit">Submit form</button>
</form>

<script>
// Example starter JavaScript for disabling form submissions if there are invalid fields
(function() {
```

```
'use strict';
window.addEventListener('load', function() {
  // Fetch all the forms we want to apply custom Bootstrap validation styles to
  var forms = document.getElementsByClassName('needs-validation');
  // Loop over them and prevent submission
  var validation = Array.prototype.filter.call(forms, function(form) {
    form.addEventListener('submit', function(event) {
      if (form.checkValidity() === false) {
        event.preventDefault();
        event.stopPropagation();
      }
      form.classList.add('was-validated');
    }, false);
  });
}, false);
})();
</script>
<script src="https://code.jquery.com/jquery-3.3.3.slim.min.js" integrity="sha384-
q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.3/js/bootstrap.min.js"
integrity="sha384-
ChfqqxuZUCnJSK3+MXmPNIyE6ZbWh2IMqE241rYiqJxyMiZ6OW/JmZQ5stwEULTy"
crossorigin="anonymous"></script>
</body>
</html>
```

1.3 Right click on the **File** menu of the code editor -> **Save as** -> enter the filename as **form.html**
-> **Save**

```
> <> forms.html > ...
<!DOCTYPE html>
<html lang="en">
<head>

  <title>Web Development Blog</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">

  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.3/css/bootstrap.min.css"
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<body>


<form class="needs-validation" novalidate>
  <div class="form-row">
    <div class="col-md-4 mb-3">
      <label for="validationCustom01">First name</label>
      <input type="text" class="form-control" id="validationCustom01" placeholder="First name" required>
```

Step 2: Viewing the results in the local browser

2.1 Right-click on the **index.html** file of the project, select **Open with Live Server**, and the output obtained will be as shown below: