Lab 5 – Developing Forms and Effective Web Design
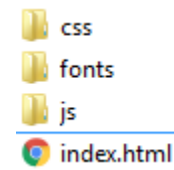
Title: Basic Form Design Event Handlers and Extended Design
Aim: To study Basics in Web Form Design and Validation
Requirements: Write a program which will perform the following tasks:

Bootstrap: Developed by Mark Otto & Jacob Thornton at Twitter, and released as an open source in August 2011 on GitHub (topped in June 2014). Download from getbootstrap.com. Always include html doctype `<!DOCTYPE html>.`Bootstrap comes with hierarchy

📁 css
📁 fonts
📁 js
🌐 index.html

Folders contain relevant files in order similar to MVC (discussed in class).

Q: Why we use BootStrap ?
Ans: Easy to use(Only basic HTML & CSS required), Responsive, Browser Compatibility

You have to implement 4 ways of using Bootstrap in a web page

1) Setting up Bootstrap in code to access its features
2) Test HTML controls after Bootstrap effect
3) Creating form for data collection using Bootstrap
4) Try some Bootstrap interactive alerts.

1.

<u>Setting up Bootstrap in code to access its features</u>

```
<link rel="stylesheet" href="css/bootstrap.min.css">
<script src="js/jquery.js"></script>
<script src="js/bootstrap.min.js"></script>
```

This is to use BootStrap enabled CSS & Javascript features.

2.

```
class="btn btn-default">Default</button>
class="btn btn-primary">Primary</button>
class="btn btn-success">Success</button>
class="btn btn-info">Info</button>
class="btn btn-warning">Warning</button>
class="btn btn-danger">Danger</button>
class="btn btn-link">Link</button>
```

HTML Button
with styles

```
<table class="table table-hover">
  <thead>
    <tr>
      <th>Firstname</th>
      <th>Lastname</th>
      <th>Email</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>John</td>
      <td>Doe</td>
      <td>john@example.com</td>
    </tr>
  </tbody>
</table>
```

HTML Table with
hover

3.

```
<div class="container">
<div class="row">
   <div class="col-sm-4" style="background-color:lavender;"></div>
   <div class="col-sm-4" style="background-color:lavenderblush;">
```

Boot Strap's Container and row column structure

```
<form role="form-horizontal">
  <div class="form-group">
    <label for="email">Email address:</label>
    <input type="email" class="form-control" id="email">
  </div>
  <div class="form-group">
    <label for="pwd">Password:</label>
    <input type="password" class="form-control" id="pwd">
  </div>
  <div class="checkbox">
    <label><input type="checkbox"> Remember me</label>
  </div>
  <textarea class="form-control" rows="5" id="comment"></textarea>
  <label><input type="checkbox" value="">Option 1</label>
  <label><input type="checkbox" value="">Option 2</label>
  <label><input type="checkbox" value="">Option 3</label>
  <div class="radio">
    <label><input type="radio" name="optradio" value="">Male</label>
  </div>
  <div class="radio disabled">
    <label><input type="radio" name="optradio" value="">Female</label>
  </div>

<div class="form-group">
  <label for="sel1">Select list:</label>
  <select class="form-control" id="sel1">
    <option>1</option>
    <option>2</option>
    <option>3</option>
    <option>4</option>
  </select>
</div>
  <button type="submit" class="btn btn-default">Submit</button>
</form>
```

HTML Combobox

4.

```
<div class="container">
  <h2>Alerts</h2>
  <div class="alert alert-success">
    <strong>Success!</strong> This aler
  </div>
  <div class="alert alert-info">
    <strong>Info!</strong> This alert b
  </div>
  <div class="alert alert-warning">
    <strong>Warning!</strong> This aler
  </div>
  <div class="alert alert-danger">
    <strong>Danger!</strong> This alert
  </div>
</div>
```

Interactive Alerts
using Bootstrap
Classes