9
Building an E-Commerce Website with Bootstrap

You took a look at the various attributes and features of Bootstrap in the earlier chapters. However, just learning the concepts is not enough, as you need to possess the skills to implement them practically. In this chapter, we will create an e-commerce website that will help you get to grips with web designing using Bootstrap.

Initially, we will build the parts step by step and increase the level of difficulty gradually so that you do not get overwhelmed with an information overload. We will first build the `ecommerce.html` page and then create the other pages such as `category.html`, `account.html`, and `product.html`, resulting in a responsive website.

> With Notepad, you cannot determine whether each `<div>` element has been closed, resulting in an incorrect output. In this example, we will be using Notepad++ as it provides syntax highlighting, word completion, and syntax folding, which will help you code better. Notepad++ is open source and can be downloaded for free from its official website at `http://notepad-plus-plus.org/`. It is a good practice to use Notepad++ or any advanced editor for your projects, as it streamlines your web designing experience.

Designing the ecommerce.html page

Create four web pages, namely `ecommerce.html`, `category.html`, `account.html`, and `product.html` for the e-commerce, product categories, account, and the product pages respectively.

Initially, we will look at `ecommerce.html`.

For now, let's paste the following basic Bootstrap code in the `ecommerce.html` file:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <meta name="description" content="">
  <meta name="author" content="">

  <title>Bootstrap Store</title>

  <!-- Bootstrap Core CSS -->
  <link href="css/bootstrap.css" rel="stylesheet">

  <!-- Custom CSS -->
  <link href="style.css" rel="stylesheet">

  <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and
media queries -->
  <!-- WARNING: Respond.js doesn't work if you view the page via
file:// -->
  <!--[if lt IE 9]>
    <script src="https://oss.maxcdn.com/libs/html5shiv/3.7.0/
html5shiv.js"></script>
    <script src="https://oss.maxcdn.com/libs/respond.js/1.4.2/respond.
min.js"></script>
  <![endif]-->
</head>

<body>
  <!-- jQuery Version 1.11.0 -->
  <script src="js/jquery-1.11.1.js"></script>

  <!-- Bootstrap Core JavaScript -->
  <script src="js/bootstrap.js"></script>
</body>
</html>
```

As you can see, we have also added `respond.min.js`, the jQuery file, and HTML shiv along with the Bootstrap files.

> Some CSS3 properties and HTML5 elements are not fully supported by the Internet Explorer 8 browser. Therefore, Internet Explorer 8 requires the use of `html5shiv` to correctly display those elements and `Respond.js` to enable media query support.

We will now create a navbar for the web page.

Similar to the process of creating a navbar in the preceding chapters, you define the navbar between the `<body>` tags. We define `navbar-brand` as `Bootstrap Store` and use the `.navbar-inverse` class, resulting in a black background and white text for the navbar:

```
<body>
<!-- Navigation -->
  <nav class="navbar-inverse" role="navigation">
    <div class="container-fluid">
      <!-- Brand and toggle get grouped for better mobile display -->
      <div class="navbar-header">
        <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#bs-example-navbar-collapse-1">
          <span class="sr-only">Toggle navigation</span>
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
        </button>
        <a class="navbar-brand" href="ecommerce.html">Bootstrap
Store</a>
      </div>

      <!-- Collect the nav links, forms, and other content for
toggling -->
      <div class="collapse navbar-collapse" id="bs-example-navbar-
collapse-1">
      </div><!-- /.navbar-collapse -->
    </div><!-- /.container-fluid -->
  </nav>
  <!-- jQuery Version 1.11.0 -->
  <script src="js/jquery-1.11.1.js"></script>

  <!-- Bootstrap Core JavaScript -->
  <script src="js/bootstrap.js"></script>
</body>
```

The output of the code on execution will be as follows:

Bootstrap Store

Further on, we will add the categories and navigation links to this `navbar`. The code has to be inserted after the `<!-- Collect the nav links, forms, and other content for toggling -->` comment and before the `<div>` element containing the `<!-- /.navbar-collapse -->` comment.

In the code, we define the **Categories** link in addition to the other navigation links. We create a dropdown for the **Categories** link, wherein we define the various types of products by their genre such as baby products, electronics, and shoes.

Take a look at the following code to understand it better:

```
<div class="collapse navbar-collapse" id="bs-example-navbar-
collapse-1">
<ul class="nav navbar-nav">
        <li class="dropdown">
          <a href="#"  class="active dropdown-toggle" data-
toggle="dropdown">Categories <span class="caret"></span></a>
          <ul class="dropdown-menu" role="menu">
            <li><a href="category.html">Apparel  &amp; Accessories</
a></li>
            <li><a href="category.html">Baby Products</a></li>
            <li><a href="category.html">Beauty  &amp; Health</a></
li>
            <li><a href="category.html">Electronics</a></li>
            <li><a href="category.html">Furniture</a></li>
            <li><a href="category.html">Home  &amp; Garden</a></li>
            <li><a href="category.html">Luggage  &amp; Bags</a></li>
            <li><a href="category.html">Shoes</a></li>
            <li><a href="category.html">Sports  &amp;
Entertainment</a></li>
            <li><a href="category.html">Watches</a></li>
            <li class="divider"></li>
            <li><a href="ecommerce.html">All Categories</a></li>
          </ul>
        </li>
        <li><a href="#">Link</a></li>
        <li><a href="#">Link</a></li>
      </ul>
```
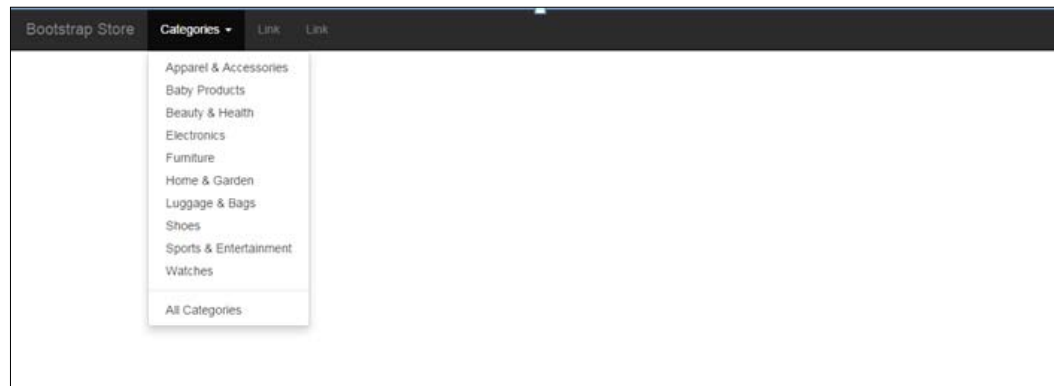
The output of the code will be as follows:

Thus, we have defined the **Categories** menu and the drop-down menu, which is visible on clicking the caret.

Now, we add the **Sign in** link, user account link, and the shopping cart with a badge to the right-hand side of the navbar and specify Glyphicons for them. Remember that this snippet needs to be added after the links defined prior to it and before the `<div>` element containing the `<!-- /.navbar-collapse -->` comment:

```
<ul class="nav navbar-nav navbar-right">
        <li><a href="#"><span class="badge pull-right">4</span><i
class="glyphicon glyphicon-shopping-cart"></i></a></li>
        <li><a href="account.html"><i class="glyphicon glyphicon-
user"></i></a></li>
        <li><a href="#" data-toggle="modal" data-
target="#myModal">Sign in</a></li>
      </ul>
```

The output of the added code on execution will result in the following screenshot:

For the **Sign in** part, we will create a modal that will be displayed by clicking on the **Sign in** link.

The following code snippet needs to be added after the closed `</nav>` element:

```
<!-- Modal -->
  <div class="modal fade" id="myModal" tabindex="-1" role="dialog"
aria-labelledby="myModalLabel" aria-hidden="true">
    <div class="modal-dialog">
      <div class="modal-content">
        <div class="modal-header">
          <button type="button" class="close" data-
dismiss="modal"><span aria-hidden="true">&times;</span><span
class="sr-only">Close</span></button>
          <h2 class="modal-title" id="myModalLabel">Sign in</h2>
        </div>
        <div class="modal-body">
          <form class="form-signin" role="form">
            <h3 class="form-signin-heading">Sign in with your email
address</h3>
            <div class="form-group">
              <input type="email" class="form-control"
placeholder="Email address" required autofocus>
            </div>
            <div class="form-group">
              <input type="password" class="form-control"
placeholder="Password" required>
            </div>
            <div class="checkbox">
              <label>
                <input type="checkbox" value="remember-me"> Remember
me
              </label>
            </div>
            <button class="btn btn-lg btn-primary btn-block"
type="submit">Sign in</button>
          </form>
        </div>

        <div class="row">
          <div class="col-xs-3">
            <a href="#" class="btn btn-facebook btn-large btn-caps
btn-block">Facebook <span class="icon-facebook"></span></a>
          </div>
          <div class="col-xs-3">
            <a href="" class="btn btn-twitter btn-large btn-caps btn-
block">Twitter <span class="icon-twitter"></span></a>
          </div>
          <div class="col-xs-3">
```

```
            <a href="" class="btn btn-lg btn-caps btn-block"><span
class="icon-dribbble"></span></a>
            </div>
          </div>

        <div class="modal-footer">
        </div>
      </div>
    </div>
  </div>
```
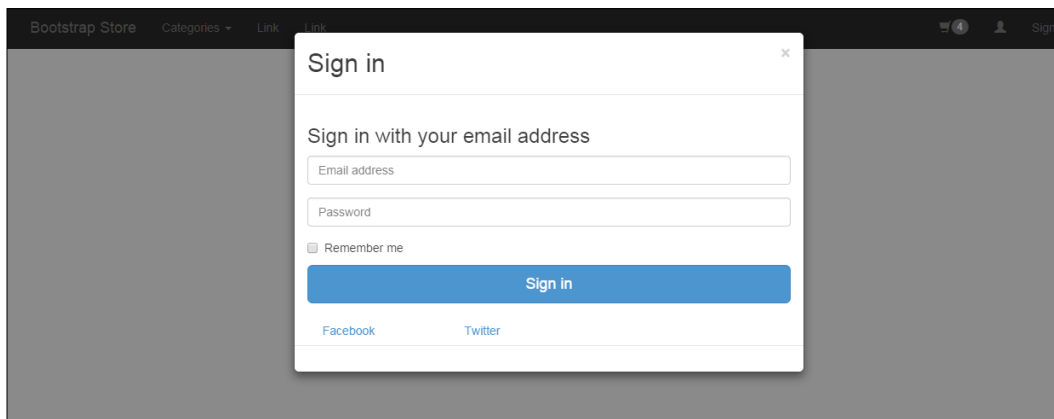
If you click on the **Sign in** link, the following dialog box will be displayed:

From the preceding code and the output, you can see that we have defined a form to get the user authentication input and have inserted it inside the code for the modal.

We will now create a carousel for the web page. After the modal code has been defined, we define the page content. We start with the `<!-- Page Content -->` comment for easy readability, which indicates that the entire content will be defined within the `<div>` element using the `.container` class and `content` as the ID for it.

Further on, we define the carousel within that container using the following code snippet:

```
<div id="content" class="container">

    <div class="row carousel-holder">

      <div class="col-md-12">
        <div id="carousel-example-generic" class="carousel slide"
data-ride="carousel">
```

```
            <ol class="carousel-indicators">
                <li data-target="#carousel-example-generic" data-slide-
to="0" class="active"></li>
                <li data-target="#carousel-example-generic" data-slide-
to="1"></li>
                <li data-target="#carousel-example-generic" data-slide-
to="2"></li>
            </ol>
            <div class="carousel-inner">
                <div class="item active">
                  <img class="slide-image" src="http://placehold.
it/1140x350" alt="" />
                </div>
                <div class="item">
                  <img class="slide-image" src="http://placehold.
it/1140x350" alt="" />
                </div>
                <div class="item">
                  <img class="slide-image" src="http://placehold.
it/1140x350" alt="" />
                </div>
            </div>

            <a class="left carousel-control" href="#carousel-example-
generic" data-slide="prev">
                <span class="glyphicon glyphicon-chevron-left"></span>
            </a>
            <a class="right carousel-control" href="#carousel-example-
generic" data-slide="next">
                <span class="glyphicon glyphicon-chevron-right"></span>
            </a>
          </div>
        </div>

    </div>
</div><!-- /.container class with content as the id-->
```

Now that we have defined the carousel, the output of the code upon execution will
be as follows:

Let's now define the product categories after the carousel code using the following code snippet:

```html
<hr />
    <div class="row">
      <div class="col-sm-4 col-md-3">
        <h3>Categories</h3>
        <div class="list-group">
          <a href="category.html" class="list-group-item">Apparel &
Accessories</a>
          <a href="category.html" class="list-group-item">Baby
Products</a>
          <a href="category.html" class="list-group-item">Beauty &
Health</a>
          <a href="category.html" class="list-group-
item">Electronics</a>
          <a href="category.html" class="list-group-item">Furniture</
a>
          <a href="category.html" class="list-group-item">Home &
Garden</a>
          <a href="category.html" class="list-group-item">Luggage &
Bags</a>
          <a href="category.html" class="list-group-item">Shoes</a>
          <a href="category.html" class="list-group-item">Sports &
Entertainment</a>
          <a href="category.html" class="list-group-item">Watches</a>
        </div>
      </div>
    </div>
  </div><!-- /.container class with content as the id-->
```

After all the code we have written so far, let's create a footer for the web page by defining the `<div>` element using the `.container` class only.

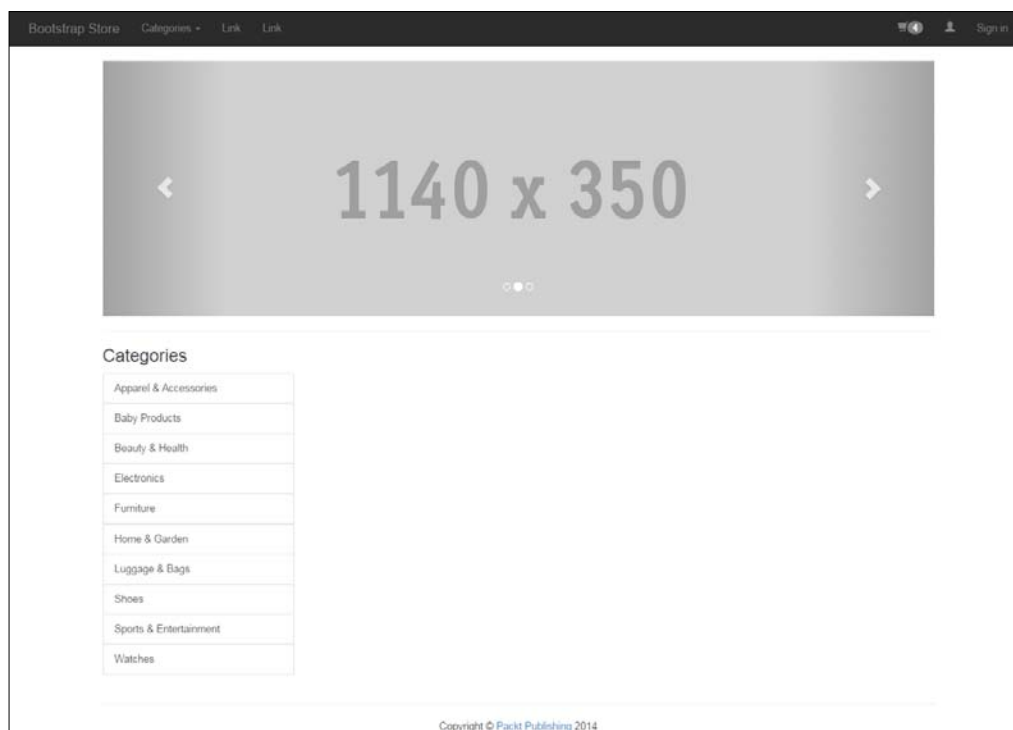Take a look at the following code snippet to understand it better:

```
<div class="container">
 <hr />
 <!-- Footer -->
 <footer>
   <div class="row">
     <div class="col-lg-12">
       <p>Copyright &copy; <a href="ecommerce.html">Packt
Publishing</a> 2014</p>
     </div>
   </div>
 </footer>
</div>
```

> Check out each `<div>` element and see that it is appropriately closed as there are multitudes of the `<div>` element in the code. Using Notepad++, you will be able to understand whether the syntax is appropriate and also whether every corresponding `<div>` is closed correctly.

The output of the code on adding the product categories and the footer will be as follows:

Now we will proceed further and add the products along with a brief description so that they are reflected on your web page. The `<div>` element with the categories was defined with the `.col-sm-4 col-md-3` class, and it occupies three columns of the web page on the left-hand side on a medium-sized display screen and four columns on a small-screen device. Since it is a 12-column grid, the remaining space will be used to display individual products.

Therefore, after the categories have been defined, let's add the following code to it:
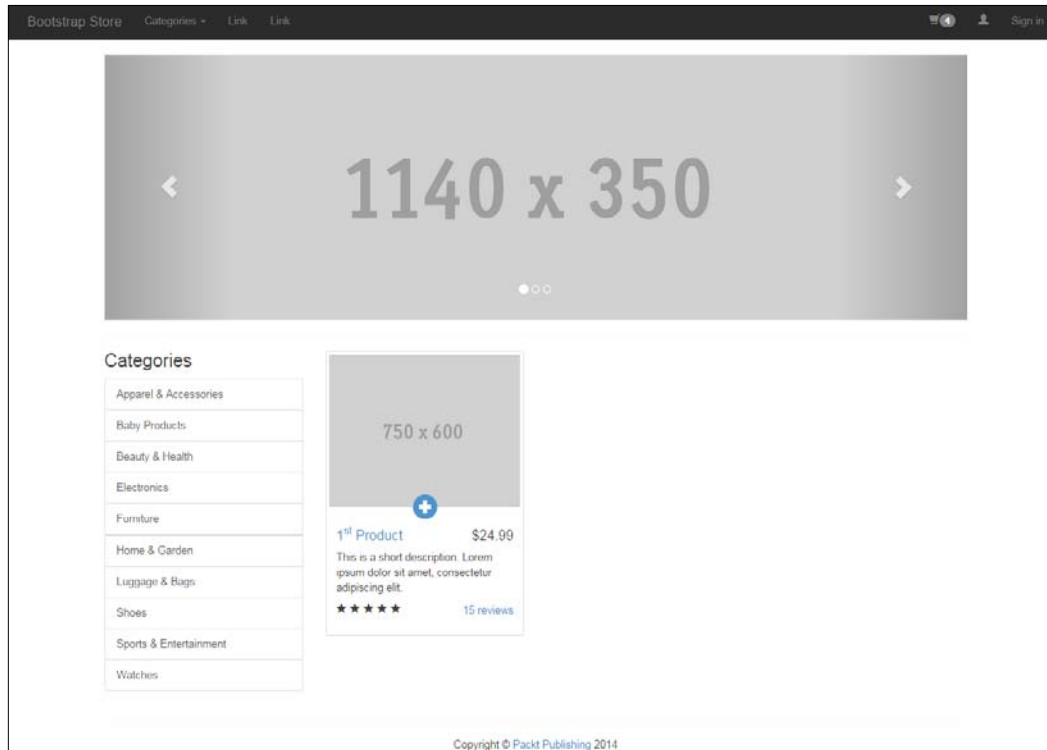
```
<div class="col-sm-8 col-md-9">
        <div class="row">


        </div>
  </div>
```
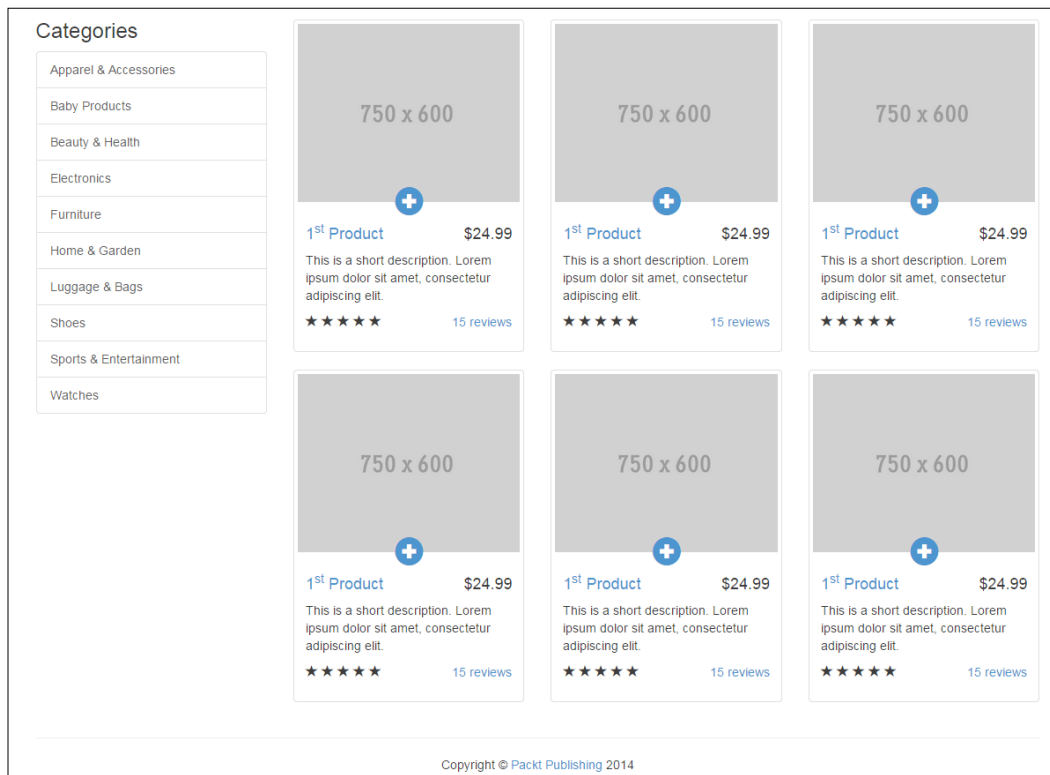
Insert the following code in the preceding nested `<div>` element with the `.row` class to add a product to the right-hand side of the **Categories** menu:

```
<div class="col-sm-6 col-md-4">
            <div class="thumbnail">
              <img src="http://placehold.it/750x600" alt="">
              <div class="add-to-cart">
                <a href="#" class="glyphicon glyphicon-plus-sign"
data-toggle="tooltip" data-placement="top" title="Add to cart"></a>
              </div>
              <div class="caption">
                <h4 class="pull-right">$24.99</h4>
                <h4><a href="product.html">1<sup>st</sup> Product</a>
                </h4>
                <p>This is a short description. Lorem ipsum dolor sit
amet, consectetur adipiscing elit.</p>
                <div class="ratings">
                  <p class="pull-right"><a href="product.
html#comments">15 reviews</a></p>
                  <p>
                    <span class="glyphicon glyphicon-star"></span>
                    <span class="glyphicon glyphicon-star"></span>
                    <span class="glyphicon glyphicon-star"></span>
                    <span class="glyphicon glyphicon-star"></span>
                    <span class="glyphicon glyphicon-star"></span>
                  </p>
                </div>
              </div>
            </div>
```

The output after defining the product is as follows:

Copy the code several times and paste it to get a grid of replicated products.
On execution of the code, you can see the following screen below the carousel:

Therefore, we have succeeded in building a web page with the navbar with links, categories to the left-hand side, and products ranging from the center to the right-hand side of the page. We defined a carousel and also defined a modal, wherein a dialog box comes into the picture on clicking on the **Sign in** option.

Now, let's look at the next steps wherein we create the remaining three pages, that is, `account.html`, `category.html`, and `product.html`, so that you have a real-time scenario.

> Copy the navigation and the footer code and add it to the `account.html`, `category.html`, and `product.html` pages. Then, all of these three remaining pages will reflect the same output. For clarity, we have created a custom `common.html` file that contains the code for navigation links, the modal, and the footer.
>
> Note that a custom `common.html` file has been created so that we realize that these features will be the same in all four web pages, including `ecommerce.html`. The `common.html` file is not used, but creating such a file is quite useful if you want to copy and paste the default code for various web pages in your projects. Also, in real-time scenarios, we use tailored templates for such purposes or to minimize the repetition of code.

Designing the account.html web page

The `account.html` web page looks like this:

Similar to the procedure followed in the `ecommerce.html` page, we define the page content. Note that you need to add the page content by inserting the code snippet after the modal code and before the `<div>` element with the `.container` class that encloses the footer of the web page. For code clarity and readability, we add the `<!--Page Content -->` comment and then define a `<div>` element with the `.container` class and `#content` as the ID, and add a `</div>` element for it. Now our entire code needs to be inserted between these specific `<div>` elements.

Take a look at the following code snippet to understand it better:

```
<!-- Page Content -->
<div id="content" class="container">
 </div><!-- div element with the content as id and a .container class
-->
```

We then create a `<div>` element with the `.row` class, wherein we will include the account menu. Let's create a **Manage Order** section and enclose it within three columns for a medium-sized device. Then, we define a list group of items and define the different options, namely, `All Order`, `Manage Feedback`, `My Coupons`, and `My Shipping Address`:

```
<div class="row">
      <div class="col-md-3">
        <h3 class="">Manage Orders</h3>
        <div class="list-group">
          <a href="account.html" class="list-group-item">All Order</a>
          <a href="account.html" class="list-group-item">Manage
Feedback</a>
          <a href="account.html" class="list-group-item">My Coupons</
a>
          <a href="account.html" class="list-group-item">My Shipping
Address</a>
        </div>
      </div>
  </div>
```

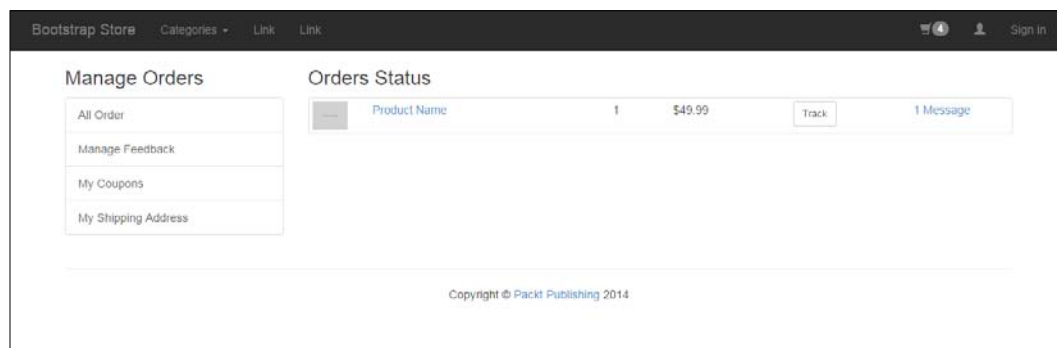The output of the code upon execution will be:

Let's define a `<div>` element with the `.thumbnail` class and create another `<div>` element within it with a `.row` class. Thereafter, we add the product names, the number of orders, prices, the track buttons, and the messages for the latest status of the products.

We will use the following code snippet to understand this better:

```html
<div class="thumbnail">
        <div class="row">
          <div class="col-sm-1">
            <img class="img-responsive" src="http://placehold.
it/750x600" alt="" />
          </div>
          <div class="col-sm-4">
            <a href="product.html">Product Name</a>
          </div>
          <div class="col-sm-1">
            1
          </div>
          <div class="col-sm-2">
            $49.99
          </div>
          <div class="col-sm-2">
            <button class="btn btn-sm btn-default">Track</button>
          </div>
          <div class="col-sm-2">
            <a href="#">1 Message</a>
          </div>
        </div>
      </div>
    </div>
```

On executing the code, you can see the following output:

Now that we have a single product defined and the order status for that product, let's replicate the products five times. We customize the status of the products by specifying different amounts of messages, prices, and the latest updates of some of the products so as to determine whether the status is **Cancelled** or **Completed** (or a **Track** button to determine whether it is on its way).

Thus, to create a wide array of order status' for different products, we use the following code snippet:

```
<div class="thumbnail">
          <div class="row">
            <div class="col-sm-1">
              <img class="img-responsive" src="http://placehold.
it/750x600" alt="" />
            </div>
            <div class="col-sm-4">
              <a href="product.html">Product Name</a>
            </div>
            <div class="col-sm-1">
              1
            </div>
            <div class="col-sm-2">
              $19.99
            </div>
            <div class="col-sm-2">
              <button class="btn btn-sm btn-success">Completed</
button>
            </div>
            <div class="col-sm-2">
              <a href="#">1 Message</a>
            </div>
          </div>
        </div>

    <div class="thumbnail">
          <div class="row">
            <div class="col-sm-1">
              <img class="img-responsive" src="http://placehold.
it/750x600" alt="" />
            </div>
            <div class="col-sm-4">
              <a href="product.html">Product Name</a>
            </div>
```

```
            <div class="col-sm-1">
              1
            </div>
            <div class="col-sm-2">
              $39.99
            </div>
            <div class="col-sm-2">
              <button class="btn btn-sm btn-danger">Cancelled</button>
            </div>
            <div class="col-sm-2">
              <a href="#">0 Messages</a>
            </div>
          </div>
        </div>

    <div class="thumbnail">
        <div class="row">
          <div class="col-sm-1">
            <img class="img-responsive" src="http://placehold.
it/750x600" alt="" />
          </div>
          <div class="col-sm-4">
            <a href="product.html">Product Name</a>
          </div>
          <div class="col-sm-1">
            1
          </div>
          <div class="col-sm-2">
            $49.99
          </div>
          <div class="col-sm-2">
            <button class="btn btn-sm btn-default">Track</button>
          </div>
          <div class="col-sm-2">
            <a href="#">1 Message</a>
          </div>
        </div>
      </div>

    <div class="thumbnail">
        <div class="row">
          <div class="col-sm-1">
            <img class="img-responsive" src="http://placehold.
it/750x600" alt="" />
```
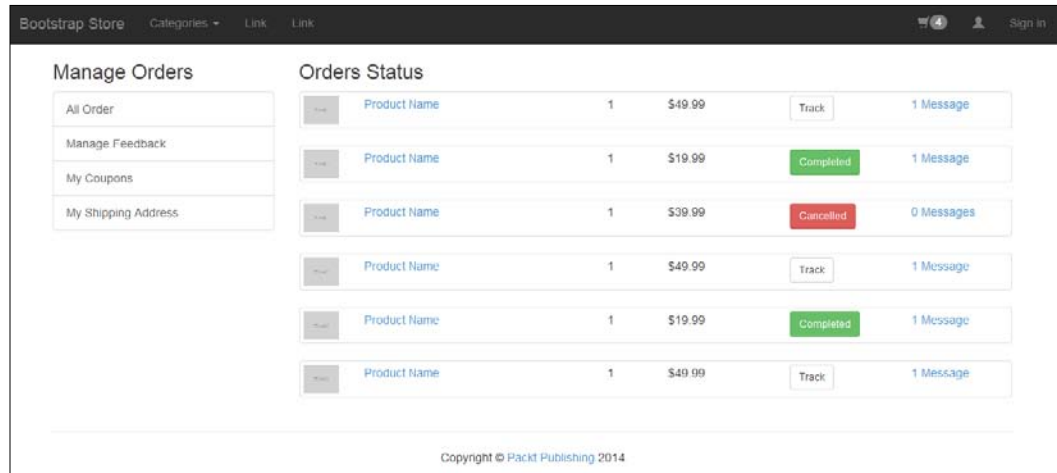
```
          </div>
          <div class="col-sm-4">
            <a href="product.html">Product Name</a>
          </div>
          <div class="col-sm-1">
            1
          </div>
          <div class="col-sm-2">
            $19.99
          </div>
          <div class="col-sm-2">
            <button class="btn btn-sm btn-success">Completed<//
button>
          </div>
          <div class="col-sm-2">
            <a href="#">1 Message</a>
          </div>
        </div>
      </div>

    <div class="thumbnail">
        <div class="row">
          <div class="col-sm-1">
            <img class="img-responsive" src="http://placehold.
it/750x600" alt="" />
          </div>
          <div class="col-sm-4">
            <a href="product.html">Product Name</a>
          </div>
          <div class="col-sm-1">
            1
          </div>
          <div class="col-sm-2">
            $49.99
          </div>
          <div class="col-sm-2">
            <button class="btn btn-sm btn-default">Track</button>
          </div>
          <div class="col-sm-2">
            <a href="#">1 Message</a>
          </div>
        </div>
      </div>
```

The output of the code upon execution will be as follows:

Let's further enhance the web page by adding a `.pagination` class so that your website users can scroll for different products on different web pages.

Take a look at the following code snippet to understand it better:

```
<div class="col-sm-12 center">
        <ul class="pagination">
          <li class="disabled"><a href="#">&laquo;</a></li>
          <li class="active"><a href="#">1</a></li>
          <li><a href="#">2</a></li>
          <li><a href="#">3</a></li>
          <li><a href="#">4</a></li>
          <li><a href="#">5</a></li>
          <li><a href="#">&raquo;</a></li>
        </ul>
      </div>
```

The output of the executed code will have pagination at the bottom of the page displayed as follows:
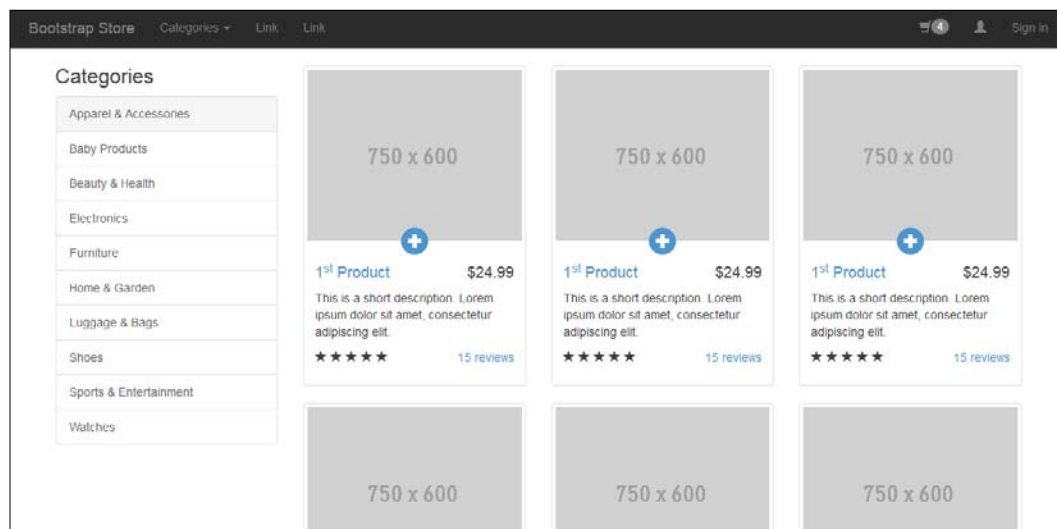

Designing the category.html web page

Just like the `account.html` web page, the `category.html` web page looks like the following screenshot due to the common code containing the navigation links, the modal, and the various Glyphicons:

Similar to the e-commerce web page, we then create a page content section after the modal. We add a `<div>` element with the `.container` class and `#content` as the ID and close it with its corresponding `</div>` element. Within these specific `<div>` elements, we create a category menu using the `list-group` items attribute. It is the same code snippet used to create a category menu on the left-hand side of the web page. We do not use a carousel here as is the case with the `ecommerce.html` web page. Then, we add the products in the same way we defined the products in the `ecommerce.html` web page.

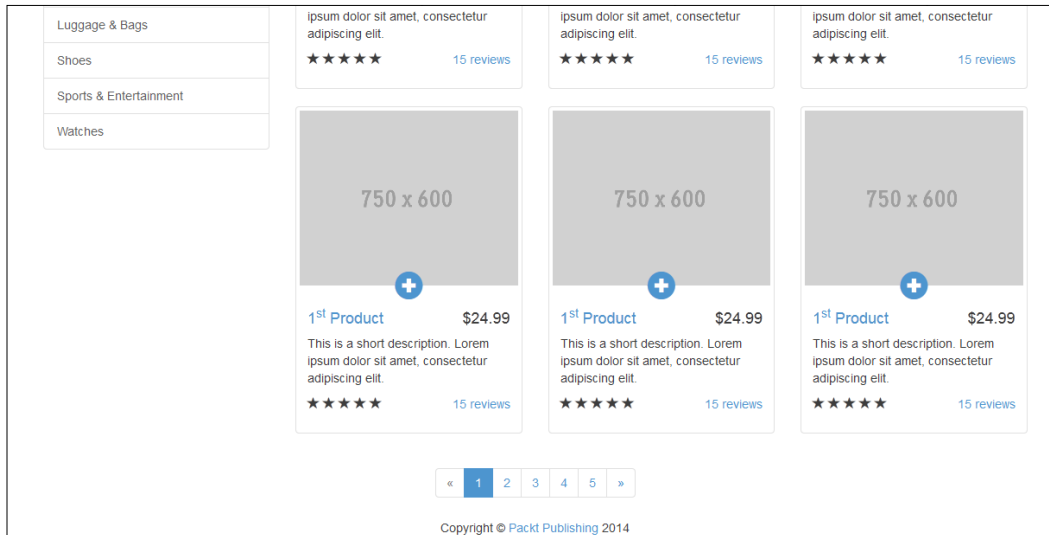The `category.html` web page will look like this:

Add the following `.pagination` class to the code for it to reflect on different pages. It is similar to the code we used for pagination for the `account.html` web page.

Take a look at the following code to understand it better:

```
<div class="col-sm-12 center">
        <ul class="pagination">
          <li class="disabled"><a href="#">&laquo;</a></li>
          <li class="active"><a href="#">1</a></li>
          <li><a href="#">2</a></li>
          <li><a href="#">3</a></li>
          <li><a href="#">4</a></li>
          <li><a href="#">5</a></li>
          <li><a href="#">&raquo;</a></li>
        </ul>
      </div>
```
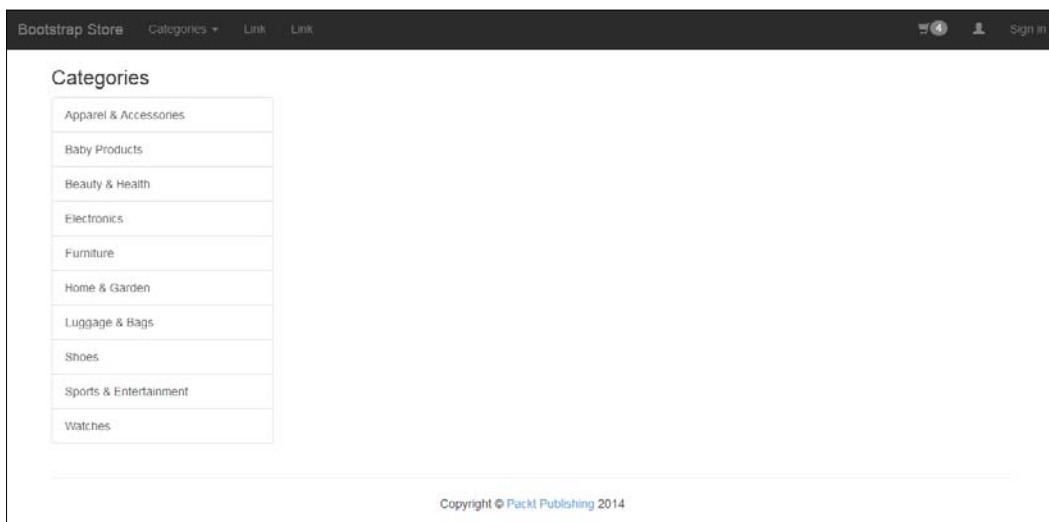
Now, the lower half of your `category.html` page will look like this:

We have defined the `account.html` and `category.html` pages so far. Next, we proceed to the final part, the `product.html` web page.

Designing the product.html web page

Similar to `category.html`, we create a **Categories** menu on the left-hand side of the screen below the navbar.
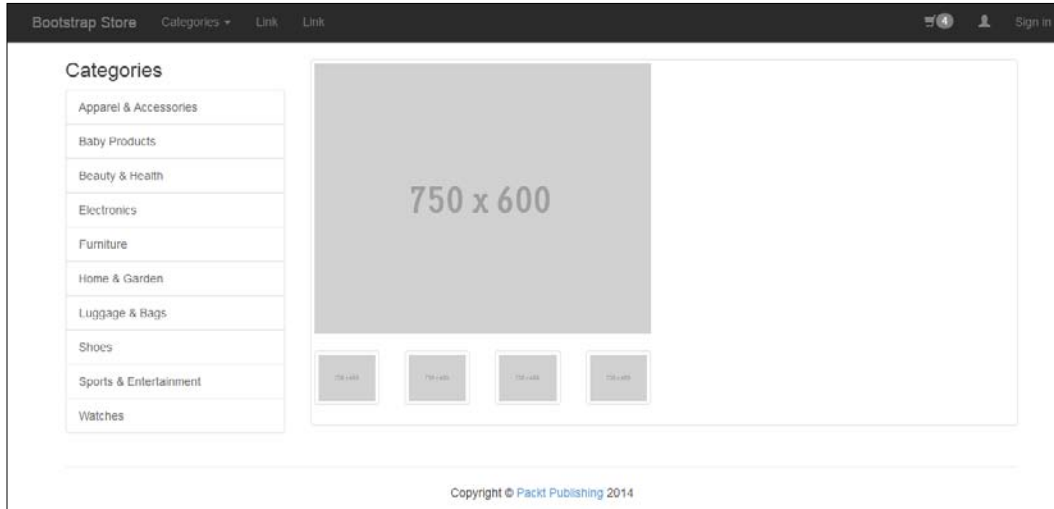
Suppose we want to add a particular product to the web page. Initially, we define the column width for the product. In this case, we have defined the `.col-md-9` class as the space to be particularly assigned to the product, meaning that the product details can be viewed on the right-hand side of the **Categories** menu. Then, we define the graphic image for the product by defining the `.thumbnail` class. Next, we nest four small different images in the same `.thumbnail` class.

Take a look at the following code to understand it better:

```
    <div class="col-md-9">

        <div class="thumbnail">
          <div class="row">
            <div class="col-sm-6">
              <img class="img-responsive" src="http://placehold.
it/750x600" alt="" />
              <div class="thumbnails row">
                <div class="col-xs-3">
                  <a href="#"><img src="http://placehold.it/750x600"
alt="" class="img-thumbnail img-responsive" /></a>
</div>
<div class="col-xs-3">
                </div>
                <div class="col-xs-3">
                  <a href="#"><img src="http://placehold.it/750x600"
alt="" class="img-thumbnail img-responsive" /></a>
                </div>
                <div class="col-xs-3">
<a href="#"><img src="http://placehold.it/750x600" alt="" class="img-
thumbnail img-responsive" /></a>
                </div>
              </div>
            </div>
        </div>
```

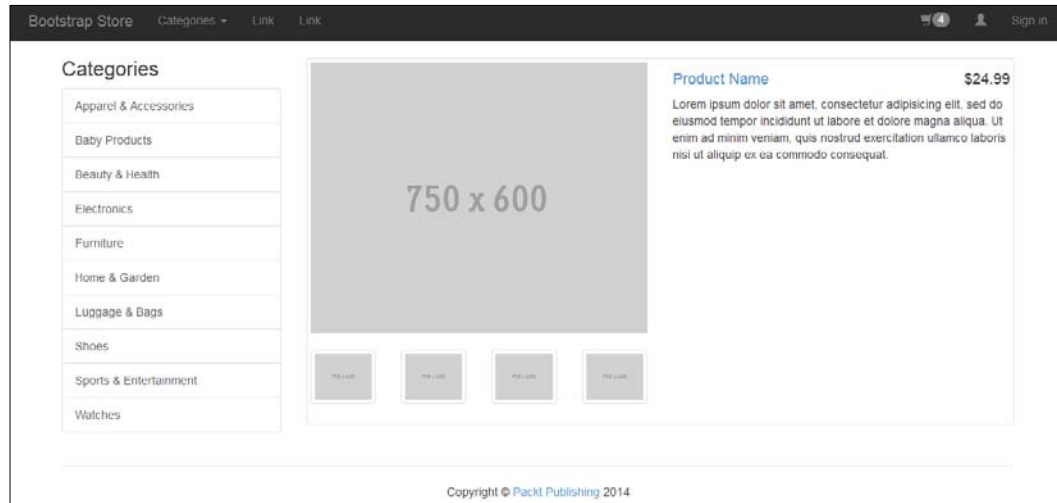The output of the code upon execution will be as follows:

Next, we define the product name and a short description that will be displayed to the right-hand side of the main image. In the code, we have defined the `.col-sm-6` class to determine the space assigned for the product name and the short description.

Therefore, we add the following code for this purpose:

```
<div class="col-sm-6">
            <h4 class="pull-right">$24.99</h4>
            <h4><a href="product.html">Product Name</a></h4>
            <p>Lorem ipsum dolor sit amet, consectetur adipisicing
elit, sed do eiusmod tempor incididunt ut labore et dolore magna
aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco
laboris nisi ut aliquip ex ea commodo consequat.</p>
</div>
```

The output of the code will be as follows:

Now, we write the code for a form, wherein we specify the color, number of products to be ordered, and size, while also adding the **Contact Seller** and **Add to Cart** buttons.

Take a look at the following code to understand it better:

```
<form role="form">
                <div class="number form-group">
                  <label class="control-label" for="number">Number<//
label>
                  <input type="number" class="form-control input-sm"
id="number" />
                </div>

                <div class="form-group">
                  <label>Color</label>
                  <select id="color">
                    <option name="color">Blue</option>
                    <option name="color">Green</option>
                    <option name="color">Red</option>
                    <option name="color">Yellow</option>
                  </select>
                </div>

                <div class="form-group">
                  <label>Size</label>
```

```
                <div class="btn-group">
                  <button type="button" class="btn btn-default">XS</
button>
                  <button type="button" class="btn btn-default">S</
button>
                  <button type="button" class="btn btn-default">M</
button>
                  <button type="button" class="btn btn-default">L</
button>
                  <button type="button" class="btn btn-default">XL</
button>
                </div>
              </div>

              <div class="form-group">
                <button type="submit" class="btn btn-
default">Contact Seller</button>
                <button type="submit" class="btn btn-success">Add to
Cart</button>
              </div>
            </form>
```
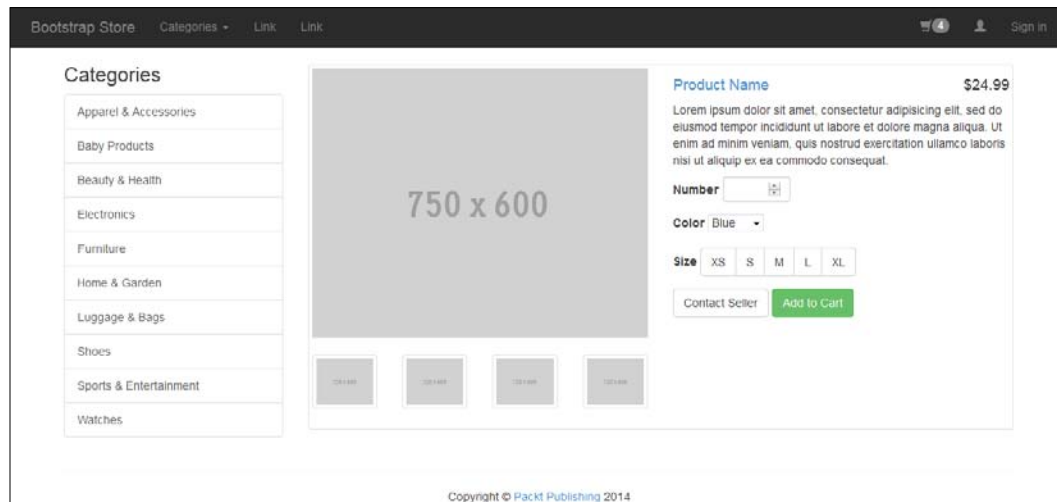
The output of the code on execution will be as follows:

Let's also add the product's detailed description while also defining the reviews section. We specify the number of ratings and use Glyphicons to create the stars to rate the review. Using a `.wells` class, we create a shaded space to house the **Leave a Review** text.

Take a look at the following code snippet to understand this:

```
<div class="description">
    <p>
Excepteur sint occaecat cupidatat non proident, sunt in culpa qui
officia deserunt mollit anim id est laborum. Lorem ipsum dolor sit
amet, consectetur adipiscing elit. Cras interdum cursus est, facilisis
imperdiet diam fringilla vel. Proin ut sagittis nibh, vehicula euismod
sapien. Cras commodo pellentesque aliquet. Nullam interdum urna et
nibh dictum, id feugiat risus volutpat. Nulla ac velit fringilla,
efficitur arcu a, ultrices erat. Vestibulum elementum metus suscipit
purus vehicula faucibus. Ut lobortis hendrerit magna. In ac urna non
est malesuada maximus in ut nulla.
    </p>

            </div>
            <div class="ratings">
              <p class="pull-right">3 reviews</p>
              <p>
                <span class="glyphicon glyphicon-star"></span>
                <span class="glyphicon glyphicon-star"></span>
                <span class="glyphicon glyphicon-star"></span>
                <span class="glyphicon glyphicon-star"></span>
                <span class="glyphicon glyphicon-star-empty"></span>
                4.0 stars
              </p>
            </div>
        </div>

        <div class="well">

          <div class="text-right">
            <a class="btn btn-success">Leave a Review</a>
          </div>
```

The lower half of the `product.html` web page will be as follows:

Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras interdum cursus est, facilisis imperdiet diam fringilla vel. Proin ut sagittis nibh, vehicula euismod sapien. Cras commodo pellentesque aliquet. Nullam interdum urna et nibh dictum, id feugiat risus volutpat. Nulla ac velit fringilla, efficitur arcu a, ultrices erat. Vestibulum elementum metus suscipit purus vehicula faucibus. Ut lobortis hendrerit magna. In ac urna non est malesuada maximus in ut nulla.

Proin vitae lectus tempus, luctus nisl a, lobortis neque. Integer venenatis ornare ipsum, efficitur pretium purus auctor ac. Cras vehicula sem ac ipsum suscipit, volutpat rutrum magna pretium. Vivamus id rutrum leo. Phasellus hendrerit turpis in massa ullamcorper, eget molestie urna pharetra. Aliquam sagittis erat fringilla enim pretium accumsan eu nec orci. Aliquam vitae odio quis purus sagittis consectetur sit amet sed purus. Donec diam tortor, mollis sit amet tellus vel, tincidunt porta sapien. Aliquam erat volutpat. Donec egestas, ante ac placerat consequat, ex mauris sagittis tortor, ut finibus diam ipsum id enim. Suspendisse porta lectus venenatis dolor euismod, vitae eleifend est consequat.

★ ★ ★ ★ ☆ 4.0 stars   3 reviews

Leave a Review

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Now, let's just add some reviews to enhance the layout and make it look like an authentic web page. Do this by adding the following code snippet:

```
<div class="row">
          <div class="col-md-12">
             <span class="glyphicon glyphicon-star"></span>
             <span class="glyphicon glyphicon-star"></span>
             <span class="glyphicon glyphicon-star"></span>
             <span class="glyphicon glyphicon-star"></span>
             <span class="glyphicon glyphicon-star-empty"></span>
             David More
             <span class="pull-right">1 day ago</span>
             <p>From <em>United States</em></p>
             <p>This product was great in terms of quality. I would
definitely buy another!</p>
```

```
          </div>
        </div>

        <hr>

        <div class="row">
          <div class="col-md-12">
            <span class="glyphicon glyphicon-star"></span>
            <span class="glyphicon glyphicon-star"></span>
            <span class="glyphicon glyphicon-star"></span>
            <span class="glyphicon glyphicon-star"></span>
            <span class="glyphicon glyphicon-star-empty"></span>
            John Doe
            <span class="pull-right">2 days ago</span>
            <p>From <em>Australia</em></p>
            <p>I've already ordered another one!</p>
          </div>
        </div>

        <hr>

        <div class="row">
          <div class="col-md-12">
            <span class="glyphicon glyphicon-star"></span>
            <span class="glyphicon glyphicon-star"></span>
            <span class="glyphicon glyphicon-star"></span>
            <span class="glyphicon glyphicon-star"></span>
            <span class="glyphicon glyphicon-star-empty"></span>
            Jane Dwayne
            <span class="pull-right">5 days ago</span>
            <p>From <em>United Kingdom</em></p>
            <p>I've seen some better than this, but not at this
  price. I definitely recommend this item.</p>
          </div>
        </div>
```
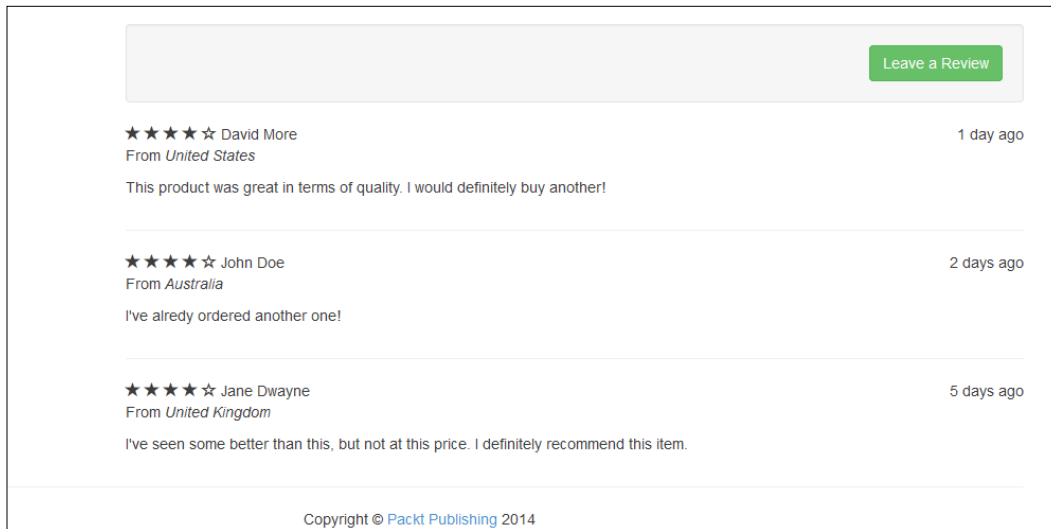
The addition of reviews results in the following output that is displayed on the lower-half of the page as we scroll down the screen:

In real-time scenarios, on an e-commerce website, we can sometimes view the **Similar Products** section or **Other things to Buy** suggestions, which are kind of related to the showcased product. So in our following code snippet, we will take a look at the procedure to showcase similar products so that you can implement it in your web designing projects.

Take a look at the following code to understand it better:

```html
<div class="row">
      <div class="col-sm-12">
        <h3> Other products you may want to buy </h3>
      </div>

      <div class="col-sm-6 col-md-4">
        <div class="thumbnail">
          <img src="http://placehold.it/750x600" alt="">
          <div class="add-to-cart">
            <a href="#" class="glyphicon glyphicon-plus-sign"
 data-toggle="tooltip" data-placement="top" title="Add to cart"></a>
          </div>
          <div class="caption">
            <h4 class="pull-right">$84.99</h4>
            <h4><a href="product.html">1<sup>st</sup> Product</a>
            </h4>
```

```
                    <p>This is a short description. Lorem ipsum dolor sit
amet, consectetur adipiscing elit.</p>
                  <div class="ratings">
                   <p class="pull-right"><a href="product.
html#comments">6 reviews</a></p>
                   <p>
                     <span class="glyphicon glyphicon-star"></span>
                     <span class="glyphicon glyphicon-star"></span>
                     <span class="glyphicon glyphicon-star"></span>
                     <span class="glyphicon glyphicon-star-empty"></
span>
                     <span class="glyphicon glyphicon-star-empty"></
span>
                   </p>
                  </div>
                </div>
              </div>
            </div>

            <div class="col-sm-6 col-md-4">
              <div class="thumbnail">
                <img src="http://placehold.it/750x600" alt="">
                <div class="add-to-cart">
                 <a href="#" class="glyphicon glyphicon-plus-sign"
data-toggle="tooltip" data-placement="top" title="Add to cart"></a>
                </div>
                <div class="caption">
                  <h4 class="pull-right">$94.99</h4>
                  <h4><a href="product.html">2<sup>nd</sup> Product</a>
                  </h4>
                  <p>This is a short description. Lorem ipsum dolor sit
amet, consectetur adipiscing elit.</p>
                  <div class="ratings">
                   <p class="pull-right"><a href="product.
html#comments">18 reviews</a></p>
                   <p>
                     <span class="glyphicon glyphicon-star"></span>
                     <span class="glyphicon glyphicon-star"></span>
                     <span class="glyphicon glyphicon-star"></span>
```
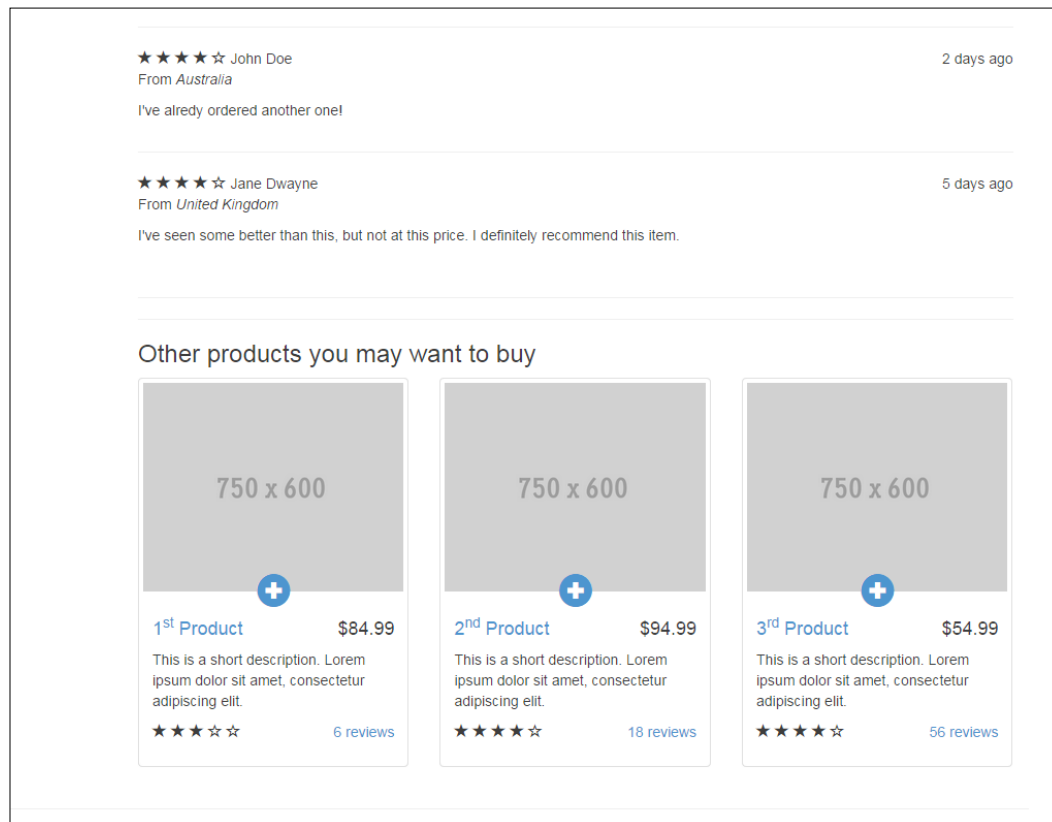
```
                      <span class="glyphicon glyphicon-star"></span>
                      <span class="glyphicon glyphicon-star-empty"></
span>
                  </p>
               </div>
            </div>
          </div>
        </div>

<div class="col-sm-6 col-md-4">
            <div class="thumbnail">
              <img src="http://placehold.it/750x600" alt="">
              <div class="add-to-cart">
                <a href="#" class="glyphicon glyphicon-plus-sign"
data-toggle="tooltip" data-placement="top" title="Add to cart"></a>
              </div>
              <div class="caption">
                <h4 class="pull-right">$54.99</h4>
                <h4><a href="product.html">3<sup>rd</sup> Product</a>
                </h4>
                <p>This is a short description. Lorem ipsum dolor sit
amet, consectetur adipiscing elit.</p>
                <div class="ratings">
                  <p class="pull-right"><a href="product.
html#comments">56 reviews</a></p>
                  <p>
                    <span class="glyphicon glyphicon-star"></span>
                    <span class="glyphicon glyphicon-star"></span>
                    <span class="glyphicon glyphicon-star"></span>
                    <span class="glyphicon glyphicon-star"></span>
                    <span class="glyphicon glyphicon-star-empty"></
span>
                  </p>
                </div>
              </div>
            </div>
          </div>
```

On execution of the code, the following page is displayed when you scroll down the web page:

From the preceding code and the output, you can see that we have defined the suggested products and assigned the same space for all of them. We defined the `.col-sm-6 col-md-4` class for `1st Product`, `2nd Product`, and `3rd Product` respectively, due to which you see the products displayed when you scroll down the product page.

In the preceding code example, we have linked all the products to the `product.html` page. Thus, by clicking on any product in the web page, you will be directed to the same `product.html` page. In real-time scenarios, you can link the products to their respective web pages to see more information and order the products if need be.

Summary

It has been quite an interesting journey with Bootstrap and you can now leverage the knowledge gained from this book for real-time implementation in your web designing projects. Practice makes perfect, and this applies to coding too. It also helps if you develop an analytical bent of mind as computers understand only logic. With this book, you will get to grips with Bootstrap but this is just the start of the journey; the sea of knowledge is far beyond. It's all learning. The more you learn, you realize that there is much more to learn. From my experience, learning never ends and the learning curve is always steep as it is an ongoing process.

Happy Bootstrapping!