Exercise 8.3 – UD Operations Example

```
<script>


    function Fruit(id, name) {

        this.Id = id;

        this.Name = name;

    }


    var fruitList = [

        new Fruit(1, "Apple"),

        new Fruit(2, "Orange"),

        new Fruit(3, "Mango"),

        new Fruit(4, "Watermelon"),

        new Fruit(5, "Cantaloupe")

    ];


    function ShoppingCartViewModel() {


        var self = this;


        self.error = ko.observable("");


        self.Id = ko.observable("");

        self.Name = ko.observable("");
```

```javascript
var Fruit = {

    Id: self.Id,

    Name: self.Name

};


self.Fruit = ko.observable();

self.Fruits = ko.observableArray(fruitList);


self.edit = function (Fruit) {

    self.Fruit(Fruit);

};


self.remove = function(Fruit) {

    self.Fruits.remove(Fruit);

};


self.cancel = function() {

    self.Fruit(null);

};


self.update = function() {

    var l_fruit = self.Fruit();
```

```
            self.Fruits.remove(self.Fruit());

            self.Fruits.push(l_fruit);

        }

    }


    ko.applyBindings(new ShoppingCartViewModel());

</script>

<div role="main" class="container">

    <br/><br/>


    <div class="row" data-bind="if: error">

        <div class="col-sm-12">

            <div class="alert alert-danger" role="alert">

                <strong>Warning!</strong> <span data-bind="text: error()"></span>

            </div>

        </div>

    </div>


    <br />


    <h2>UD Example</h2>

    <div class="row">

        <div class="col-sm-8">
```

```html
<div class="card card-inverse" style="background-color: #333; border-color: #333; color: white;">

    <div class="card-block p-3">

        <h3 class="card-title">Grocery List</h3>

        <div class="card-text">


            <table class="table table-dark table-striped table-hover">

                <thead>

                <tr>

                    <th>FruitId</th>

                    <th>Name</th>

                    <th>Functions</th>

                </tr>

                </thead>

                <tbody data-bind="foreach: Fruits">

                <tr>

                    <td data-bind="text: Id"></td>

                    <td data-bind="text: Name"></td>

                    <td>

                        <span>

                            <a href="#" class="btn btn-success" data-bind="click: $root.edit">

                                <i class="fa fa-pencil fa-lg"> </i> EDIT

                            </a>
```

```html
                              </span> |

                              <span>

                                     <a href="#" class="btn btn-danger" data-bind="click:
$root.remove">

                                            <i class="fa fa-trash-o fa-lg"> </i> DELETE

                                     </a>

                              </span>

                       </td>

                </tr>

              </tbody>

          </table>

        </div>

      </div>

    </div>


    <div class="col-sm-4" data-bind="if: Fruit">

        <div class="card card-inverse" style="background-color: #333; border-color:
#333; color: white;">

            <div class="card-block p-3">

                <h3 class="card-title">Grocery List Item</h3>

                <div class="card-text">


                    <div class="form-group">
```

```html
                <label for="txtName">Name: </label>

                <input type="text" id="txtName" data-bind="value: Fruit().Name" class="form-control" />

            </div>


            <div class="form-group float-right">


                <button data-bind="click: $root.cancel" class="btn btn-group btn-danger">Cancel</button>

                <button data-bind="click: $root.update" class="btn btn-group btn-success">Save</button>

            </div>


        </div>

      </div>

    </div>

  </div>

  <br/>

</div>
```