

# Lists

# Introduction

- We use lists for displaying data, allowing the user to navigate to other parts of the application and for getting input from the user.

# Simple List

- We can create a list view using a simple unordered list element filled in with list items. In addition, we should add the `data-role="listview"` attribute within the starting tag of the unordered list.

```
<ul data-role="listview" data-theme="c">  
<li><a href="http://www.abelski.com">abelski</a></li>  
<li><a href="http://www.zuntel.com">zuntel</a></li>  
<li><a href="http://www.zindego.com">zindego</a></li>  
</ul>
```

# Simple List

```
<!DOCTYPE html>

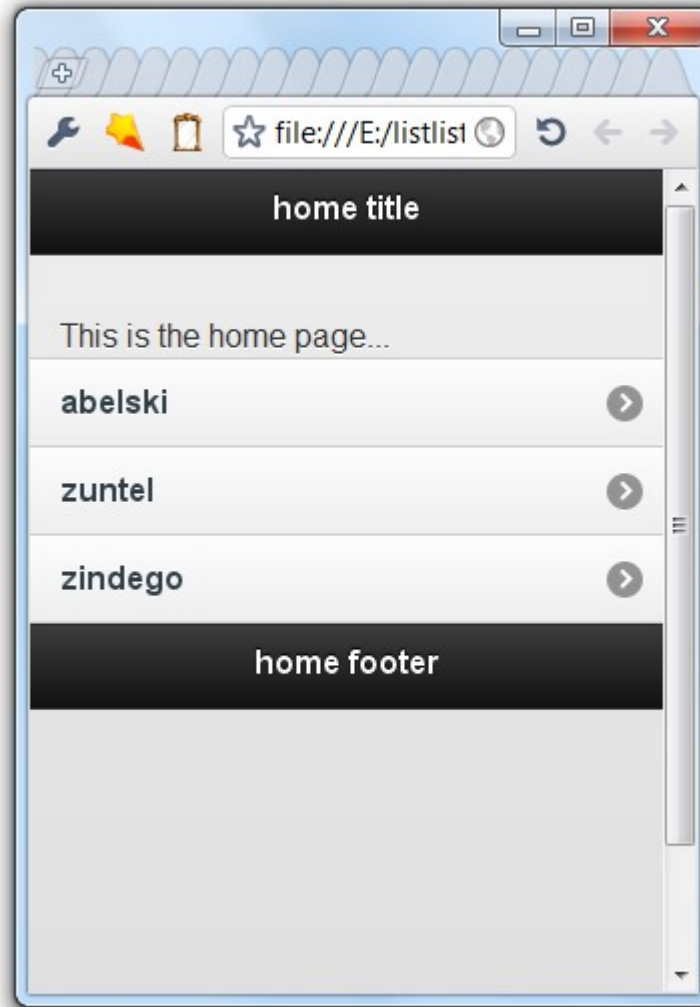
<head>
<title>Page Title</title>
  <link rel="stylesheet" href=
    "http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.css" />
  <script src="http://code.jquery.com/jquery-1.9.1.min.js"></script>
  <script src=
    "http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.js">
  </script>
</head>
```



# Simple List

```
<button>
<div data-role="page" id="home">
<div data-role="header">
<h1>home title</h1>
</div>
<div data-role="content">
<p>This is the home page...</p>
<ul data-role="listview" data-theme="c">
  <li><a href="http://www.abelski.com">abelski</a></li>
  <li><a href="http://www.zuntel.com">zuntel</a></li>
  <li><a href="http://www.zindego.com">zindego</a></li>
</ul>
</div>
<div data-role="footer">
<h4>home footer</h4>
</div>
</div>
</button>
```

# Simple List



# Nested Lists

- We can create a nested list by placing the nested list `<ul>` element as a child element of a `<li>` element.

# Nested Lists

```
<!DOCTYPE html>

<head>
<title>Page Title</title>
  <link rel="stylesheet" href=
    "http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.css" />
  <script src="http://code.jquery.com/jquery-1.9.1.min.js"></script>
  <script src=
    "http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.js">
  </script>
</head>
```





# Nested Lists

```
<div data-role="page" id="home">
  <div data-role="content">
    <ul data-role="listview">
      <li><h3><a href="#">Countries</a></h3>
      <p>Select the city you like most.</p>
      <ul>
        <li>Israel
          <ul>
            <li><a href="index.html">Haifa</a></li>
            <li><a href="index.html">Jerusalem</a></li>
            <li><a href="index.html">Rehovot</a></li>
            <li><a href="index.html">Afula</a></li>
            <li><a href="index.html">Netanya</a></li>
            <li><a href="index.html">Nazarath</a></li>
          </ul>
        </li>
      </ul>
    </div>
  </div>
</div>
```

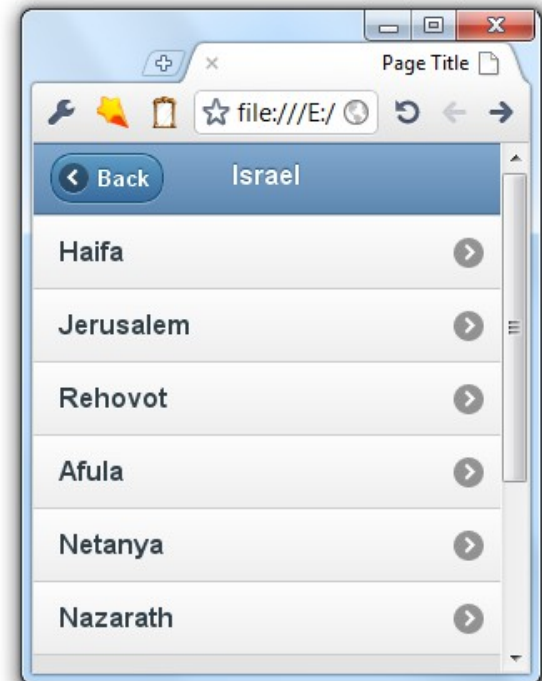
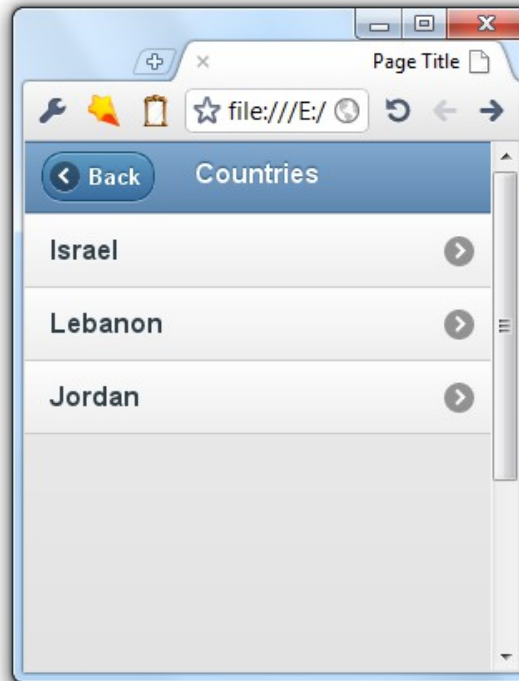
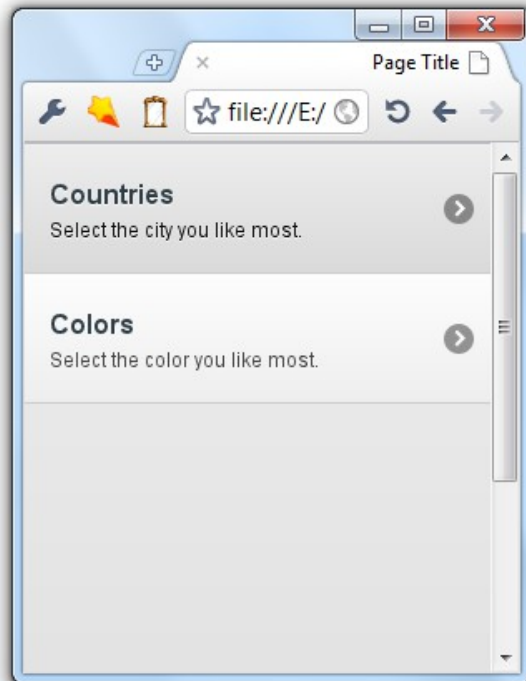
# Nested Lists

```
<li>Lebanon
  <ul>
    <li><a href="index.html">Hermeil</a></li>
    <li><a href="index.html">Beirut</a></li>
    <li><a href="index.html">Saida</a></li>
    <li><a href="index.html">Tripoli</a></li>
    <li><a href="index.html">Tyre</a></li>
    <li><a href="index.html">Koura</a></li>
  </ul>
</li>
<li>Jordan
  <ul>
    <li><a href="index.html">Jerash</a></li>
    <li><a href="index.html">Madaba</a></li>
    <li><a href="index.html">Arki</a></li>
    <li><a href="index.html">Irbid</a></li>
    <li><a href="index.html">Amman</a></li>
    <li><a href="index.html">Aqaba</a></li>
    <li><a href="index.html">Ajloun</a></li>
  </ul>
</li>
</ul>
</li>
```

# Nested Lists

```
<li><h3><a href="#">Colors</a></h3>
<p>Select the color you like most.</p>
  <ul>
    <li><a href="index.html">Green</a></li>
    <li><a href="index.html">Orange</a></li>
    <li><a href="index.html">Gray</a></li>
    <li><a href="index.html">Pink</a></li>
    <li><a href="index.html">Violet</a></li>
    <li><a href="index.html">Red</a></li>
    <li><a href="index.html">Yellow</a></li>
  </ul>
</li>
</ul>
</div>
</div>
```

# Nested Lists



# Numeric Lists

- Using the `<ol>` html element instead of `<ul>` will create a numeric list.

# Numeric Lists

```
<!DOCTYPE html>

<head>
<title>Page Title</title>
  <link rel="stylesheet" href=
    "http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.css" />
  <script src="http://code.jquery.com/jquery-1.9.1.min.js"></script>
  <script src=
    "http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.js">
  </script>
</head>
```



# Numeric Lists

```
<div data-role="page" id="home">
  <div data-role="content">
    <ul data-role="listview">
      <li><h3><a href="#">Countries</a></h3>
      <p>Select the city you like most.</p>
      <ol>
        <li>Israel
          <ol>
            <li><a href="index.html">Haifa</a></li>
            <li><a href="index.html">Jerusalem</a></li>
            <li><a href="index.html">Rehovot</a></li>
            <li><a href="index.html">Afula</a></li>
            <li><a href="index.html">Netanya</a></li>
            <li><a href="index.html">Nazarath</a></li>
          </ol>
        </li>
      </ol>
    </ul>
  </div>
</div>
```

# Numeric Lists

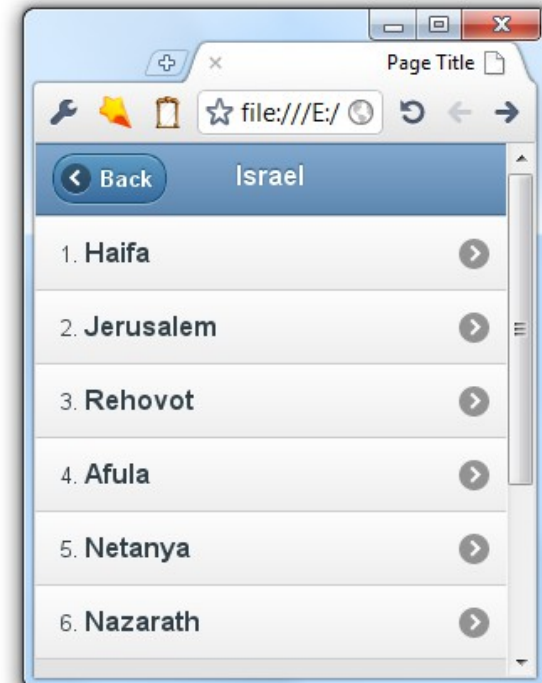
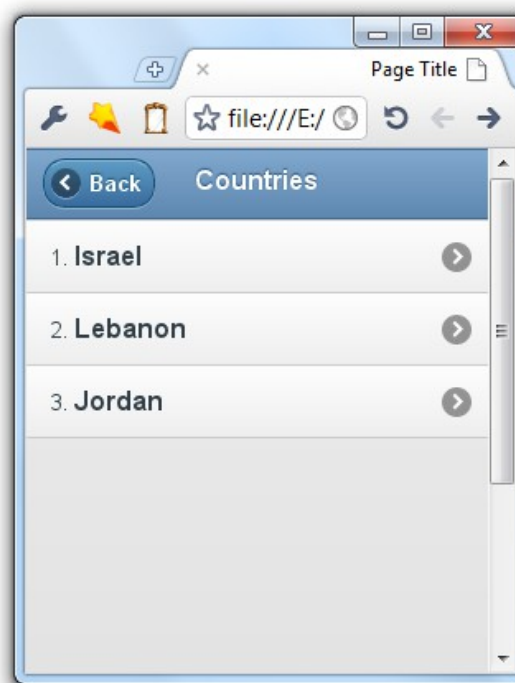
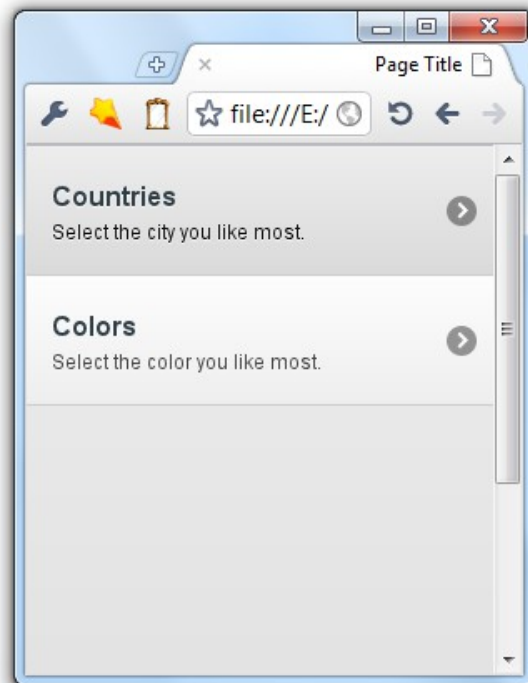
```
<li>Lebanon
  <ol>
    <li><a href="index.html">Hermeil</a></li>
    <li><a href="index.html">Beirut</a></li>
    <li><a href="index.html">Saida</a></li>
    <li><a href="index.html">Tripoli</a></li>
    <li><a href="index.html">Tyre</a></li>
    <li><a href="index.html">Koura</a></li>
  </ol>
</li>
<li>Jordan
  <ol>
    <li><a href="index.html">Jerash</a></li>
    <li><a href="index.html">Madaba</a></li>
    <li><a href="index.html">Arki</a></li>
    <li><a href="index.html">Irbid</a></li>
    <li><a href="index.html">Amman</a></li>
    <li><a href="index.html">Aqaba</a></li>
    <li><a href="index.html">Ajloun</a></li>
  </ol>
</li>
</ol>
</li>
```



# Numeric Lists

```
<li><h3><a href="#">Colors</a></h3>
<p>Select the color you like most.</p>
  <ol>
    <li><a href="index.html">Green</a></li>
    <li><a href="index.html">Orange</a></li>
    <li><a href="index.html">Gray</a></li>
    <li><a href="index.html">Pink</a></li>
    <li><a href="index.html">Violet</a></li>
    <li><a href="index.html">Red</a></li>
    <li><a href="index.html">Yellow</a></li>
  </ol>
</li>
</ul>
</div>
</div>
```

# Numeric Lists



# Read Only Lists

- Whether we create a numeric list or an unordered one if we choose to omit the links we will get a read only list. We can use read only list for displaying data.

# Read Only Lists

```
<!DOCTYPE html>

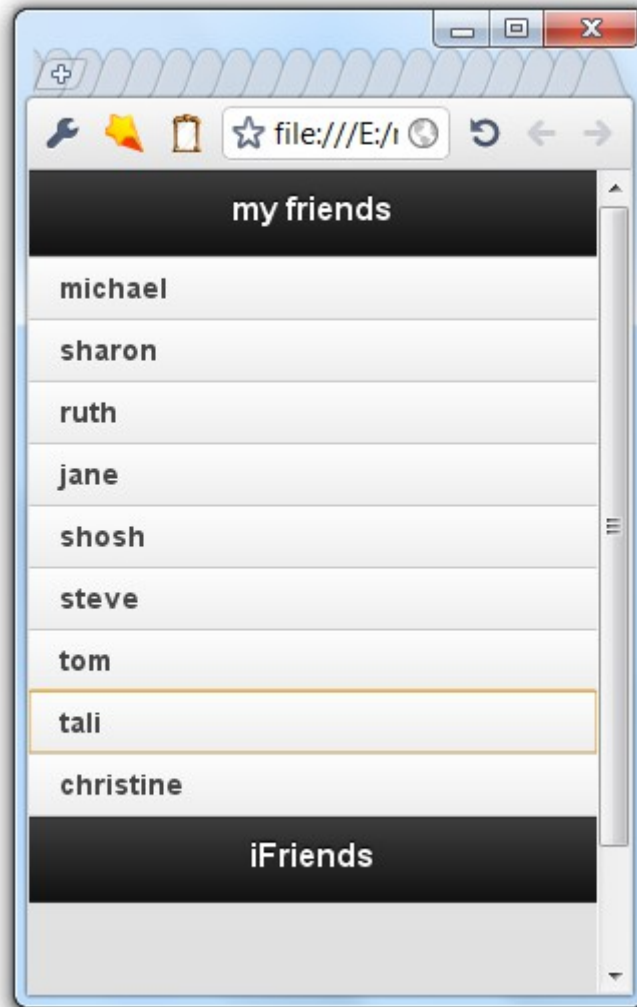
<head>
<title>Page Title</title>
  <link rel="stylesheet" href=
    "http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.css" />
  <script src="http://code.jquery.com/jquery-1.9.1.min.js"></script>
  <script src=
    "http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.js">
  </script>
</head>
```



# Read Only Lists

```
<body>
<div data-role="page" id="home">
<div data-role="header">
<h1>my friends</h1>
</div>
<div data-role="content">
<ul data-role="listview" data-theme="c">
  <li>michael</li>
  <li>sharon</li>
  <li>ruth</li>
  <li>jane</li>
  <li>shosh</li>
  <li>steve</li>
  <li>tom</li>
  <li>tali</li>
  <li>christine</li>
</ul>
</div>
<div data-role="footer">
<h4>iFriends</h4>
</div>
</div>
</body>
```

# Read Only Lists



# Split Button List

- We can add a secondary link within the `<li>` html element. The jQuery Mobile library will add a vertical divider line and style the additional secondary link as an icon.
- We can set the icon we want by adding the `data-split-icon` attribute assigned with the name of the icon we want.
- We can set a specific theme swatch by adding the `data-split-theme` attribute assigned with a swatch letter.

# Split Button List

```
<!DOCTYPE html>

<head>
<title>Page Title</title>
  <link rel="stylesheet" href=
    "http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.css" />
  <script src="http://code.jquery.com/jquery-1.9.1.min.js"></script>
  <script src="http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.js">
  </script>
</head>
```





# Split Button List

```
<body>
<div data-role="page" id="dukelist">

  <div data-role="header" data-theme="c">
    <h1>Dukes We Love</h1>
    <a href="index.html" data-icon="home" data-iconpos="notext"
      class="ui-btn-right">Home</a>
  </div>

  <div data-role="content">

    <ul data-role="listview" data-split-icon="gear" data-split-theme="d">
      <li>
        
        <h3><a href="dukelove.html">Duke Love</a></h3>
        <p>Duke Loves is Heaven</p>
        <a href="http://www.abelski.com/courses/jquerymobile/buy.html"
          data-rel="dialog" data-transition="slideup">Purchase Photo</a>
      </li>
    </ul>
  </div>
</div>
```

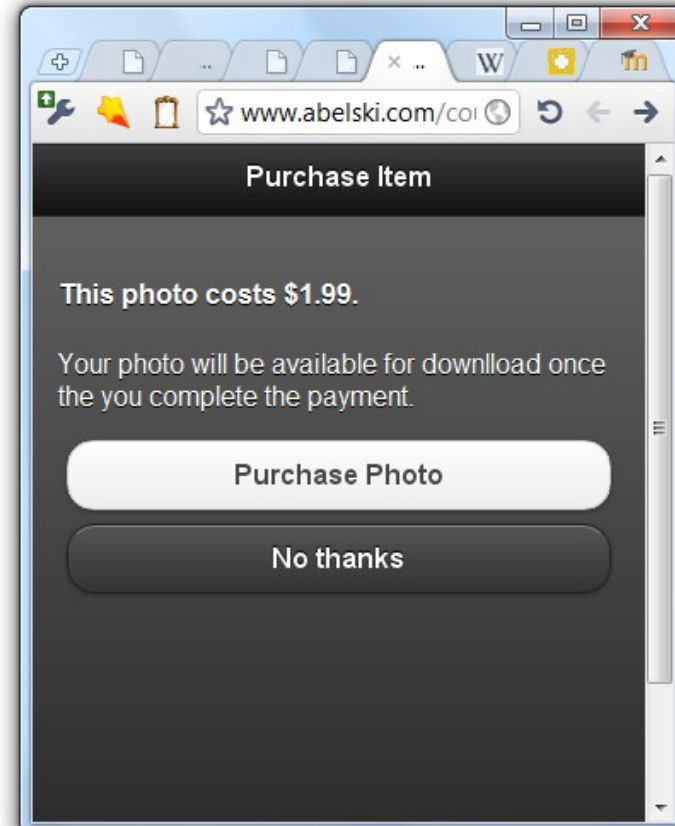
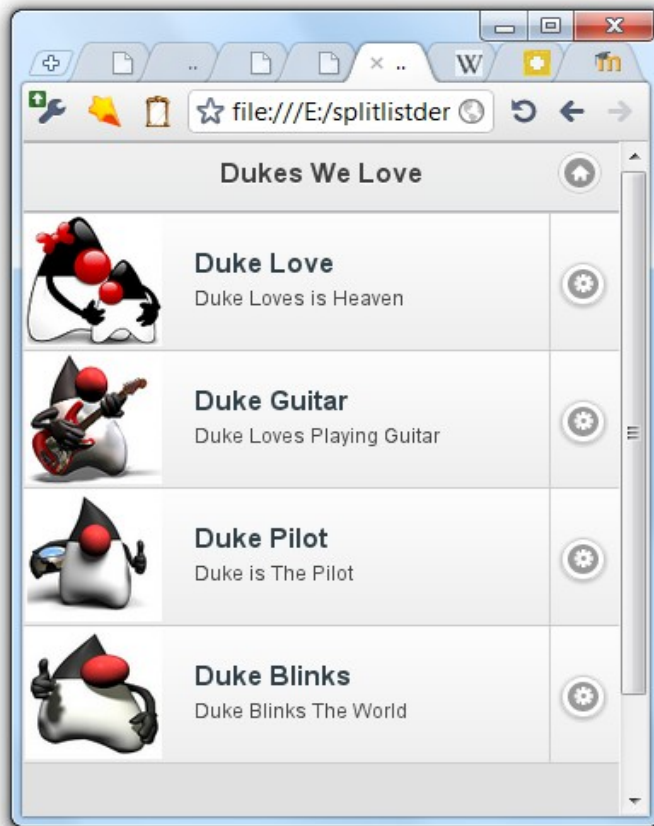
# Split Button List

```
<li>
  
  <h3><a href="dukeguitar.html">Duke Guitar</a></h3>
  <p>Duke Loves Playing Guitar</p>
  <a href="http://www.abelski.com/courses/jquerymobile/buy.html"
  data-rel="dialog" data-transition="slideup">Purchase Photo</a>
</li>
<li>
  
  <h3><a href="dukepilot.html">Duke Pilot</a></h3>
  <p>Duke is The Pilot</p>
  <a href="http://www.abelski.com/courses/jquerymobile/buy.html"
  data-rel="dialog" data-transition="slideup">Purchase Photo</a>
</li>
<li>
  
  <h3><a href="dukelove.html">Duke Blinks</a></h3>
  <p>Duke Blinks The World</p>
  <a href="http://www.abelski.com/courses/jquerymobile/buy.html"
  data-rel="dialog" data-transition="slideup">Purchase Photo</a>
</li>
</ul>
</div>
</div>
```

# Split Button List

```
<li>
  
  <h3><a href="dukeguitar.html">Duke Guitar</a></h3>
  <p>Duke Loves Playing Guitar</p>
  <a href="http://www.abelski.com/courses/jquerymobile/buy.html"
    data-rel="dialog" data-transition="slideup">Purchase Photo</a>
</li>
<li>
  
  <h3><a href="dukepilot.html">Duke Pilot</a></h3>
  <p>Duke is The Pilot</p>
  <a href="http://www.abelski.com/courses/jquerymobile/buy.html"
    data-rel="dialog" data-transition="slideup">Purchase Photo</a>
</li>
<li>
  
  <h3><a href="dukelove.html">Duke Blinks</a></h3>
  <p>Duke Blinks The World</p>
  <a href="http://www.abelski.com/courses/jquerymobile/buy.html"
    data-rel="dialog" data-transition="slideup">Purchase Photo</a>
</li>
</ul>
</div>
</div>
```

# Split Button List



# List Dividers

- We can create a list divider by adding a list item html element and place within its starting tag the `data-role` attribute assigned with the `"list-divider"` value.

```
<li data-role="list-divider">Israel</li>
```

# List Dividers

```
<!DOCTYPE html>

<head>
<title>Page Title</title>
  <link rel="stylesheet" href=
    "http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.css" />
  <script src="http://code.jquery.com/jquery-1.9.1.min.js"></script>
  <script src=
    "http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.js">
  </script>
</head>
```



# List Dividers

```
<body>

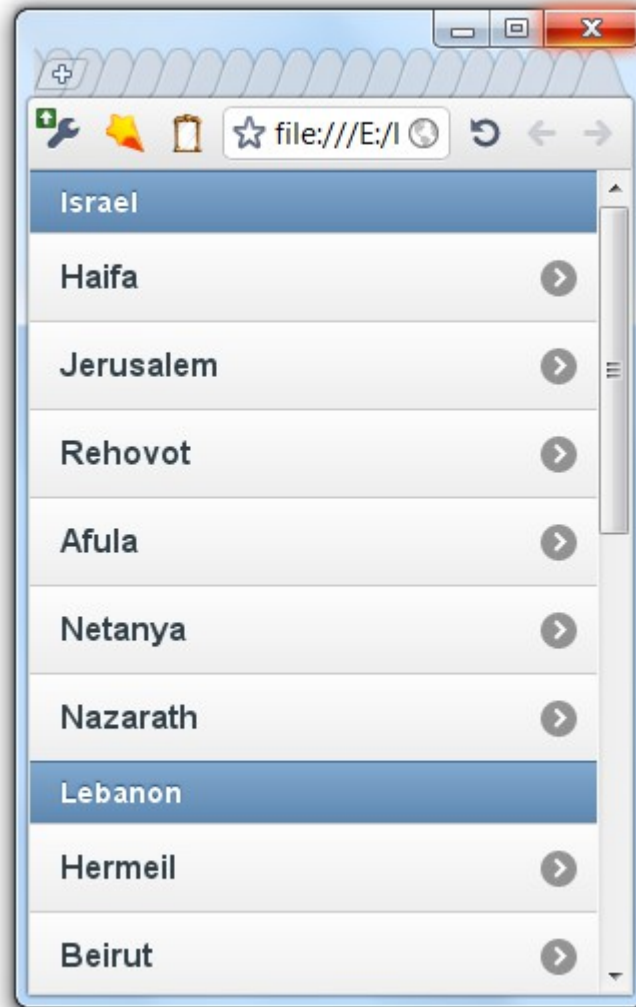
<div data-role="page" id="home">
  <div data-role="content">
    <ul data-role="listview">
      <li data-role="list-divider">Israel</li>
      <li><a href="index.html">Haifa</a></li>
      <li><a href="index.html">Jerusalem</a></li>
      <li><a href="index.html">Rehovot</a></li>
      <li><a href="index.html">Afula</a></li>
      <li><a href="index.html">Netanya</a></li>
      <li><a href="index.html">Nazarath</a></li>
      <li data-role="list-divider">Lebanon</li>
      <li><a href="index.html">Hermeil</a></li>
      <li><a href="index.html">Beirut</a></li>
      <li><a href="index.html">Saida</a></li>
      <li><a href="index.html">Tripoli</a></li>
      <li><a href="index.html">Tyre</a></li>
      <li><a href="index.html">Koura</a></li>
```

# List Dividers

```
<li data-role="list-divider">Jordan</li>
<li><a href="index.html">Jerash</a></li>
<li><a href="index.html">Madaba</a></li>
<li><a href="index.html">Arki</a></li>
<li><a href="index.html">Irbid</a></li>
<li><a href="index.html">Amman</a></li>
<li><a href="index.html">Aqaba</a></li>
<li><a href="index.html">Ajloun</a></li>
</ul>
</div>
</div>
</body>
```



# List Dividers



# List Counters

- We can add into a list item a bubble that shows the number of units the list item includes.
- In order to add that bubble we should add a span child element to the list item.

```
<span class="ui-li-count">8</span>
```

# List Counters

```
<!DOCTYPE html>

<head>
<title>Page Title</title>
  <link rel="stylesheet" href=
    "http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.css" />
  <script src="http://code.jquery.com/jquery-1.9.1.min.js"></script>
  <script src="http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.js">
  </script>
</head>
```

# List Counters

```
<body>
<div data-role="page" id="home">
  <div data-role="content">
    <ul data-role="listview">
      <li data-role="list-divider">Israel
        <span class="ui-li-count">6</span></li>
      <li><a href="index.html">Haifa</a></li>
      <li><a href="index.html">Jerusalem</a></li>
      <li><a href="index.html">Rehovot</a></li>
      <li><a href="index.html">Afula</a></li>
      <li><a href="index.html">Netanya</a></li>
      <li><a href="index.html">Nazarath</a></li>
      <li data-role="list-divider">Lebanon
        <span class="ui-li-count">4</span></li>
      <li><a href="index.html">Hermeil</a></li>
      <li><a href="index.html">Beirut</a></li>
      <li><a href="index.html">Saida</a></li>
      <li><a href="index.html">Tripoli</a></li>
```

# List Counters

```
<li data-role="list-divider">Jordan
  <span class="ui-li-count">7</span></li>
<li><a href="index.html">Jerash</a></li>
<li><a href="index.html">Madaba</a></li>
<li><a href="index.html">Arki</a></li>
<li><a href="index.html">Irbid</a></li>
<li><a href="index.html">Amman</a></li>
<li><a href="index.html">Aqaba</a></li>
<li><a href="index.html">Ajloun</a></li>
</ul>
</div>
</div>
</body>
```

# List Counters



# List Icons

- We can easily add an icon of our own to each and every item in our list.
- We add a customized icon by adding an `img` element that belongs to the `"ui-li-icon"` CSS class.

```
<li>  
<a href="lebanon.html">Lebanon</a></li>
```

# List Icons

```
<!DOCTYPE html>

<head>
<title>Page Title</title>
  <link rel="stylesheet" href=
    "http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.css" />
  <script src="http://code.jquery.com/jquery-1.9.1.min.js"></script>
  <script src="http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.js">
  </script>
</head>
```

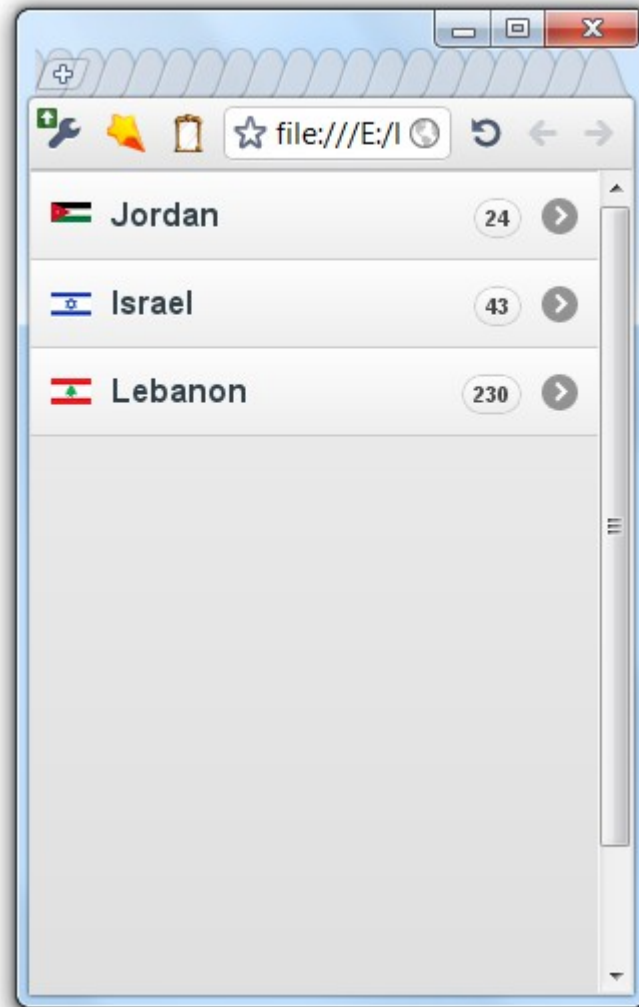




# List Icons

```
<body>
<div data-role="page" id="home">
  <div data-role="content">
    <ul data-role="listview">
      <li>
      <a href="index.html">Jordan</a>
      <span class="ui-li-count">24</span></li>
      <li>
      <a href="index.html">Israel</a>
      <span class="ui-li-count">43</span></li>
      <li>
      <a href="index.html">Lebanon</a>
      <span class="ui-li-count">230</span></li>
    </ul>
  </div>
</div>
</body>
```

# List Icons



# Search List

- We can easily create a list that includes a search element through which the user can start entering a text and get filtered just the elements that fit the entered text.

# Search List

```
<!DOCTYPE html>

<head>
<title>Page Title</title>
  <link rel="stylesheet" href=
    "http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.css" />
  <script src="http://code.jquery.com/jquery-1.9.1.min.js"></script>
  <script src=
    "http://code.jquery.com/mobile/1.3.1/jquery.mobile-1.3.1.min.js">
  </script>
</head>
```

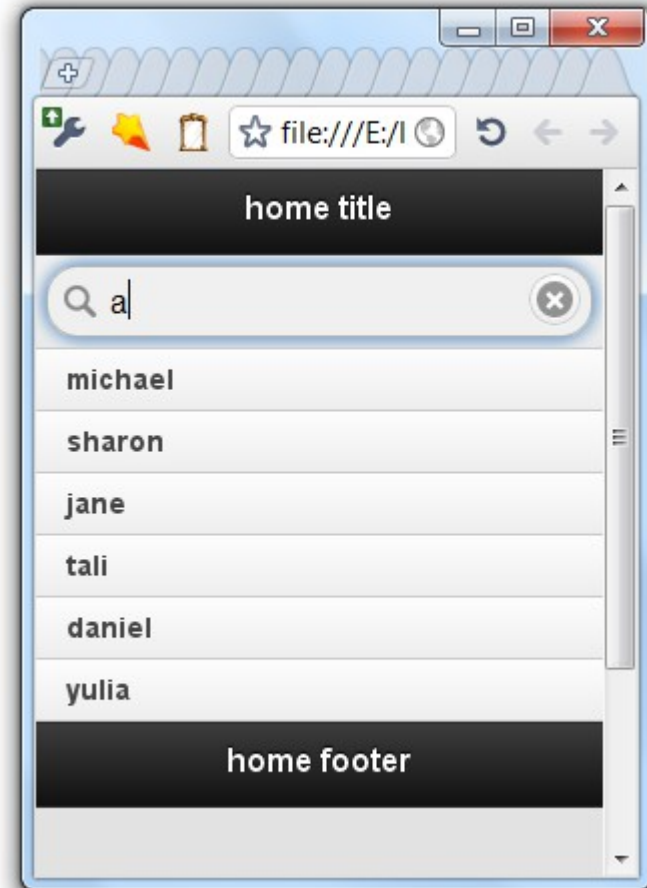


# Search List

```
<body>
<div data-role="page" id="home">
<div data-role="header">
<h1>home title</h1>
</div>
<div data-role="content">
<ul data-role="listview" data-theme="c" data-filter="true">
  <li>michael</li>
  <li>sharon</li>
  <li>ruth</li>
  <li>jane</li>
  <li>shosh</li>
  <li>steve</li>
  <li>tom</li>
  <li>tali</li>
  <li>christine</li>
  <li>robert</li>
  <li>roger</li>
  <li>george</li>
  <li>daniel</li>
  <li>yulia</li>
</ul>
</div>
</div>
</body>
```

# Search List

```
</ul>
</div>
<div data-role="footer">
<h4>home footer</h4>
</div>
</div>
</body>
```



# Listview Refresh

- When creating a list view in a dynamic way by changing the DOM hierarchy we should invoke the `listview('refresh')` method on the object that represents the listview.

```
$('#list').listview('refresh');
```



# Listview Refresh

```
[  
  {"country": "France"},  
  {"country": "Italy"},  
  {"country": "Germany"},  
  {"country": "Poland"},  
  {"country": "Spain"}  
]
```

The data.json File



# Listview Refresh

## The ajaxlist.html File

```
<!DOCTYPE html>
<html>
  <head>
    <title>simple jquerymobile ajax list view</title>
    <link rel="stylesheet" href=
      "http://code.jquery.com/mobile/1.4.3/jquery.mobile-1.4.3.min.css" />
    <script src=
      "http://code.jquery.com/jquery-1.11.1.min.js"></script>
    <script src=
      "http://code.jquery.com/mobile/1.4.3/jquery.mobile-1.4.3.min.js">
    </script>
  </head>
  <body>
    <div data-role="page" id="home">
      <div data-role="header">
        <h1>our title</h1>
      </div>
      <div data-role="content">
        <ul data-role="listview" id="list">
        </ul>
      </div>
      <div data-role="footer">
        <h4>our footer</h4>
      </div>
    </div>
```

# Listview Refresh

```
<!DOCTYPE html>
<html>
  <head>
    <title>simple jquerymobile ajax list view</title>
    <link rel="stylesheet" href=
      "http://code.jquery.com/mobile/1.4.3/jquery.mobile-1.4.3.min.css" />
    <script src=
      "http://code.jquery.com/jquery-1.11.1.min.js"></script>
    <script src=
      "http://code.jquery.com/mobile/1.4.3/jquery.mobile-1.4.3.min.js">
    </script>
  </head>
  <body>
    <div data-role="page" id="home">
      <div data-role="header">
        <h1>our title</h1>
      </div>
      <div data-role="content">
        <ul data-role="listview" id="list">
        </ul>
      </div>
      <div data-role="footer">
        <h4>our footer</h4>
      </div>
    </div>
```

# Listview Refresh

```
<script type="text/javascript">
  (function()
  {
    var xhr = new XMLHttpRequest();
    xhr.open("GET", "data.json", true);
    xhr.onreadystatechange = function()
    {
      if (xhr.readyState == 4 && xhr.status == 200)
      {
        var list = document.getElementById('list');
        var data = xhr.responseText;
        var vec = JSON.parse(data);
        vec.forEach(
          function(ob)
          {
            var li = document.createElement("li");
            var a = document.createElement("a");
            var text = document.createTextNode(ob.country);
            a.appendChild(text);
            a.setAttribute("href", "#");
            li.appendChild(a);
            list.appendChild(li);
          }
        );
      }
    }
  });
```

# Listview Refresh

```
                $('#list').listview('refresh');  
            }  
        }  
        xhr.send();  
    }) ();  
</script>  
</body>  
</html>
```

# Listview Refresh

