

jQuery Mobile School – Video 4

Dynamic List & Dynamic Page Generation

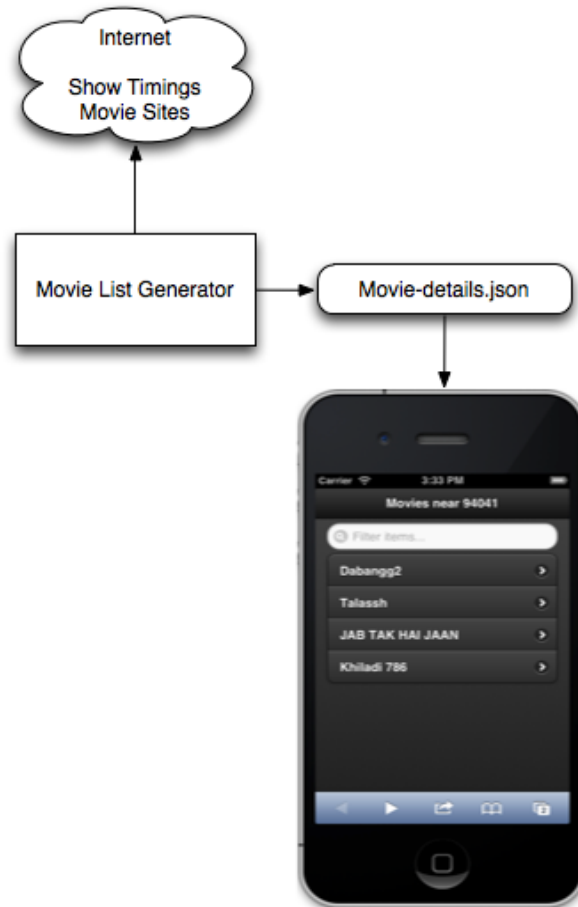
Static List

```
<div data-role="content">
  <ul data-role="listview" data-inset="true" data-filter="true">
    <li><a href="#Dabangg2" data-transition="slide">Dabangg2</a></li>
    <li><a href="#Khiladi786" data-transition="slide">Khiladi 786</a></li>
    <li><a href="#Talassh" data-transition="slide">Talaash</a></li>
    <li><a href="#JTHJ" data-transition="slide">Jab Tak Hai Jaan</a></li>
  </ul>
</div>
```

Static Page

```
<div data-role="page" id="Dabangg2">
  <div data-role="header">
    <a data-rel="back" data-direction="reverse" href="#mainPage">Back</a>
    <h1>Dabangg2</h1>
  </div>
  <div data-role="content">
    </img>
  </div>
  <div data-role="footer">
    <h4>Dabangg2</h4>
  </div>
</div>
```

Dynamic Architecture

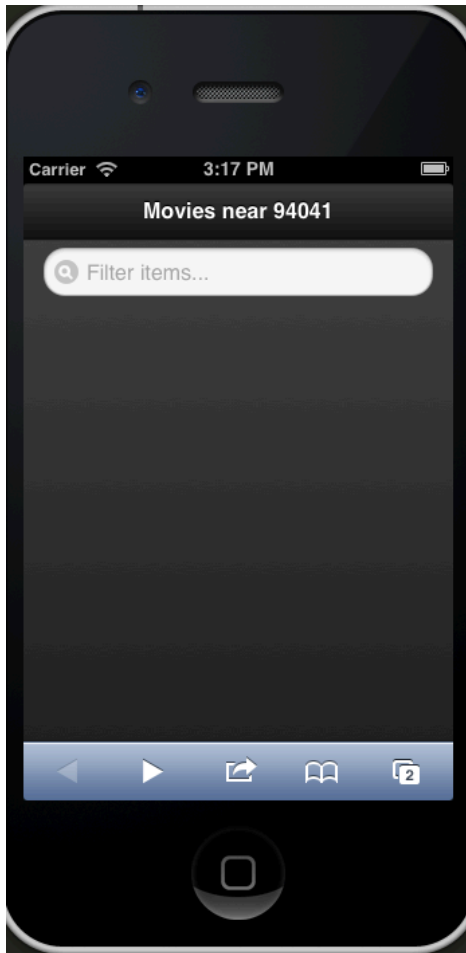


Dynamic List

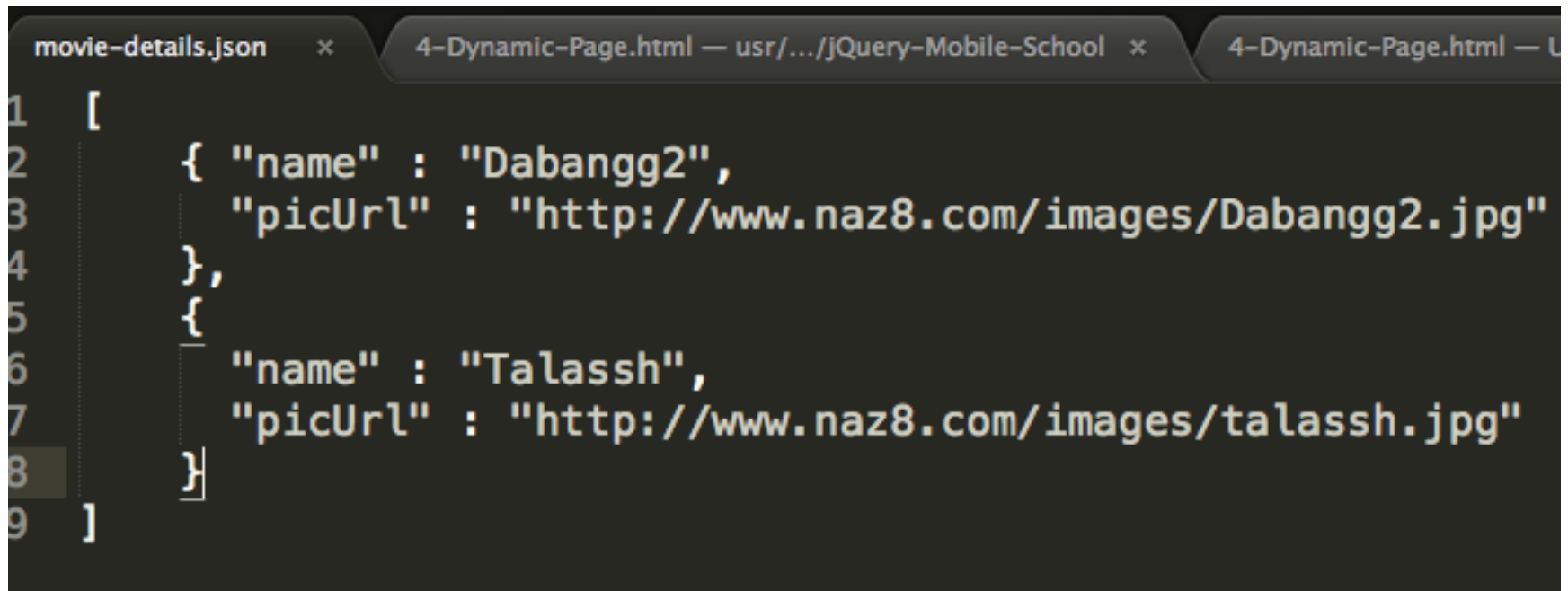
Starts with empty list

```
<div data-role="content">
  <ul data-role="listview" data-inset="true" data-filter="true" id="movieList">
  </ul>
</div>
```

Output



Json Contract : Movie-details.json



```
1  [  
2    { "name" : "Dabangg2",  
3      "picUrl" : "http://www.naz8.com/images/Dabangg2.jpg"  
4    },  
5    {  
6      "name" : "Talassh",  
7      "picUrl" : "http://www.naz8.com/images/talassh.jpg"  
8    }  
9  ]
```

Dynamic list Creation using Javascript

```
<script type="text/javascript">

$.getJSON("http://localhost/ytube/jqm/jquery-Mobile-School/movie-details.json", function(movies){
    //Start off with an empty list every time to get the latest from server
    $('#movieList').empty();

    //add the movie items as list
    $.each(movies, function(i, movie){
        $('#movieList').append(generateMovieLink(movie));
    });

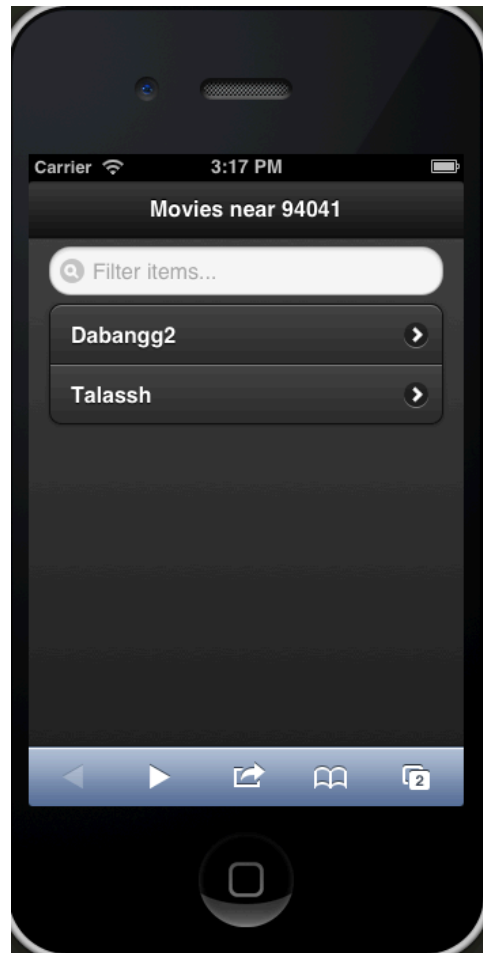
    //refresh the list view to show the latest changes
    $('#movieList').listview('refresh');

});
```


Dynamic Movie link

```
//creates a movie link list item
function generateMovieLink(movie){

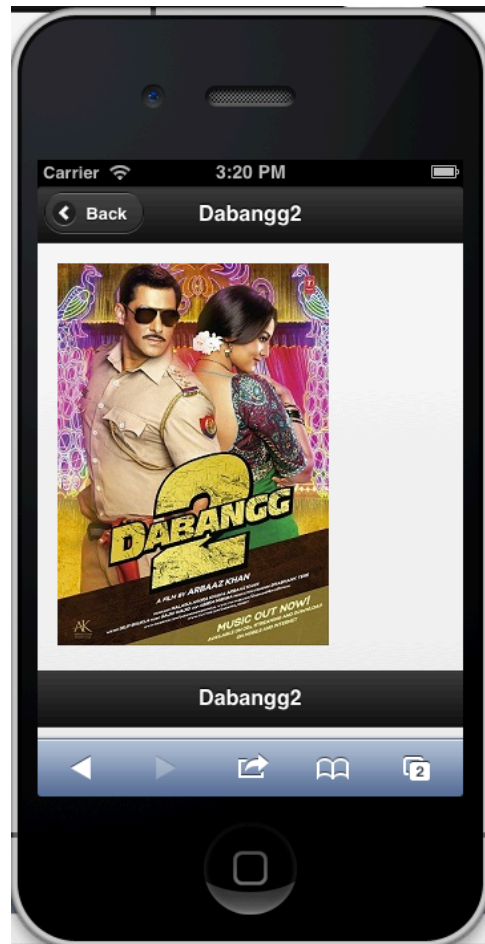
    //debugger;
    return '<li><a href="javascript:void(0)" '
        + '" onclick="goToMovieDetailPage(\' '
        + movie.name
        + '\', \' '
        + movie.picUrl + '\')">'
        + movie.name
        + '</a></li>';
}
```



Dynamic Page Creation

```
function goToMovieDetailPage(movieName, moviePicUrl){  
  
    //create the page html template  
    var moviePage = $("<div data-role='page' data-url=dummyUrl><div data-role='header'><h1>"  
        + movieName + "</h1></div><div data-role='content'><img border='0' src='"  
        + moviePicUrl + "' width=204 height=288></img></div><div data-role='footer'><h4>"  
        + movieName + "</h4></div></div>");  
  
    //append the new page to the page container  
    moviePage.appendTo( $.mobile.pageContainer );  
  
    //go to the newly created page  
    $.mobile.changePage( moviePage );  
}
```

Output



Add more data

```
movie-details.json x
1  [
2    { "name" : "Dabangg2",
3      "picUrl" : "http://www.naz8.com/images/Dabangg2.jpg"
4    },
5    {
6      "name" : "Talassh",
7      "picUrl" : "http://www.naz8.com/images/talassh.jpg"
8    },
9    {
10     "name" : "JAB TAK HAI JAAN",
11     "picUrl" : "http://www.naz8.com/images/jthj.jpg"
12   },
13   {
14     "name" : "Khiladi 786",
15     "picUrl" : "http://www.naz8.com/images/khiladi786.jpg"
16   }
17 ]
```

More Movies



Recap

- Dynamic List generation
- Defining dynamic data contract in JSON
- Dynamic Page generation
- Up Next : Forms