About the Tutorial

jQuery Mobile is a user interface framework, built on jQuery Core and used for developing responsive websites or applications that are accessible on mobile, tablet, and desktop devices. It uses features of both jQuery and jQueryUI to provide API features for mobile web applications.

This tutorial will teach you the basics of jQuery Mobile framework. We will also discuss some detailed concepts related to jQuery Mobile.

Audience

This tutorial has been prepared for beginners to help them understand basic jQuery Mobile framework. After completing this tutorial, you will find yourself at a moderate level of expertise in jQuery Mobile framework from where you can take yourself to the next levels.

Prerequisites

jQuery Mobile framework is based on JavaScript programming language. Hence, if you have a basic understanding on JavaScript programming, then it will be fun to learn jQuery Mobile framework.

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1. JQUERY MOBILE – OVERVIEW

jQuery Mobile is a user interface framework, which is built on jQuery Core and used for developing responsive websites or applications that are accessible on mobile, tablet, and desktop devices. It uses the features of both jQuery and jQuery UI to provide API features for mobile web applications.

It was developed by the jQuery project team in the year 2010 and written in JavaScript.

Why Use jQuery Mobile?

- It creates web applications that it will work the same way on the mobile, tablet, and desktop devices.
- It is compatible with other frameworks such as PhoneGap, Whitelight, etc.
- It provides a set of touch-friendly form inputs and UI widgets.
- The progressive enhancement brings a unique functionality to all mobile, tablet, and desktop platforms and adds efficient page loads and wider device support.

Features of jQuery Mobile

- It is built on jQuery Core and "write less, do more" UI framework.
- It is an open source framework, and cross-platform as well as cross-browser compatible.
- It is written in JavaScript and uses features of both jQuery and jQuery UI for building mobile-friendly sites.
- It integrates HTML5, CCS3, jQuery and jQuery UI into one framework for creating pages with minimal scripting.
- It includes Ajax navigation system that uses animated page transitions.

Advantages of jQuery Mobile

- It is easy to learn and develop applications if you have knowledge of HTML5, CSS3 features.
- It is cross-platform and cross-browser compatible so you don’t have to worry about writing different code for each device resolution.
• You can create the custom theme using ThemeRoller without writing the line of code. It supports all HTML5 browsers.

• It uses HTML5 along with JavaScript for easy development of web applications.

• It is built in a way that allows the same code to automatically scale from the mobile screen to desktop screen.

**Disadvantages of jQuery Mobile**

• There are limited options for CSS themes, so sites can look similar which are built by these themes.

• Applications which are developed using jQuery Mobile are slower on mobiles.

• It becomes more time consuming when you combine jQuery mobile with other mobile frameworks.

• Difficult to provide complete customized visual design.

• All the features in a device cannot be accessed by JavaScript in a browser.
In this chapter, we will discuss how to install and set up jQuery Mobile.

**Download jQuery Mobile**

When you open the link [jquerymobile.com/](http://jquerymobile.com/), you will see there are two options to download jQuery mobile library.

- **Custom Download** - Click this button to download a customized version of library.

- **Latest Stable** - Click this button to get the stable and latest version of jQuery mobile library.

**Custom Download with Download Builder**

Using Download Builder, you can create a custom build including only the portions of the library that you need. When you download this new customized version of jQuery Mobile, you will see the following screen.
jQuery Mobile Download Builder

Customize your jQuery Mobile download by selecting the specific modules you need in the form below. For standard configurations, download or link to CDN versions of pre-built packages. Please note that the jQuery Mobile Download Builder is still in alpha, and as such should not be used on production websites.

Please report any issues you might find in the issue tracker, and thanks!

Select branch

1.4.5

Core

- Animation Complete
  A handler for cx; transition & animation end events to ensure callback is executed
- JSON
  Mobile versions of JSON functions to allow for namespaceing
- Defaults
  Default values for jQuery Mobile
- Helpers
  Helper functions and references
- Init
  Global initialization of the library.
- Namespace
  The mobile namespace on the jQuery object
- Support Tests
  Assorted tests to qualify browsers by selecting features
- Orientation support test
  Feature test for orientation
- **Touch support test**
  - Touch feature test

- **Virtual Mouse (vmouse) Bindings**
  - Normalizes touch/mouse events.

- **Widget Factory**
  - Widget factory extensions for mobile.

- **Page Creation**
  - Basic page definition and formatting.

### Events

- **Navigate**
  - Provides a wrapper around hashchange and popstate

- **Orientation Change**
  - Provides a wrapper around the inconsistent browser implementations of orientationchange

- **Throttled Resize**
  - Fires a resize event with a slight delay to prevent excessive callback invocation

- **Touch**
  - Touch events including: touchstart, touchmove, touchend, tap, taphold, swipe, swipeleft, swiperight, scrollstart, scrolley

- **Events**
  - Custom events and shortcuts.

### Forms

- **Buttons: Link-based**
  - Applies button styling to links

- **FieldContainers**
  - Styling to responsively position forms and labels based on screen width and add visual separation

- **ControlsGroups**
  - Visually groups sets of buttons, checks, radios, etc.

- **Textarea Autosize**
  - Enhances and consistently styles text inputs.
- **Buttons**: Input or button-based
  - Custom-styled native input buttons

- **Checkboxes & Radio Buttons**
  - Consistent styling for checkboxes/radio buttons.

- **Text Input Clear Button**
  - Add the ability to have a clear button

- **Flip Switch**
  - Consistent styling for native select menus. Tapping opens a native select menu.

- **Range Slider**
  - Range slider form widget

- **Form Reset**

- **Selects**
  - Consistent styling for native select menus. Tapping opens a native select menu.

- **Selects: Custom menus**
  - Extension to select menus to support menu styling, placeholder options, and multi-select features.

- **Slider**
  - Slider form widget

- **Slidertooltip**
  - Slider tooltip extension

- **Text Inputs & Textareas**
  - Enhances and consistently styles text inputs.

---

**Navigation**

- **Content Management**
  - Applies the AJAX navigation system to links and forms to enable page transitions

- **Base Tag**
  - Dynamic Base Tag Support
jQuery Mobile

- **History Manager**
  Manages a stack of history entries. Used exclusively by the Navigation Manager

- **Navigate Method**
  A wrapper for the primary Navigator and History objects in jQuery Mobile

- **Navigation Manager**
  Manages URL, history and information in conjunction with the navigate event

- **Path Helpers**
  Path parsing and manipulation helpers

- **Content Management**
  Widget to create page container which manages pages and transitions

**Transitions**

- **Transition Concurrent**
  Animated page change with concurrent transition style application

- **Transition Handlers**
  Animated page change handlers for integrating with Navigation

- **Transition Serial**
  Animated page change with serial transition style application

- **Transition Core**
  Animated page change base constructor and logic

- **All Transitions**
  All the stock transitions and associated CSS

- **Flip Transition**
  Animation styles and fallback transitions definition for non-3D supporting browsers

- **Flow Transition**
  Animation styles and fallback transitions definition for non-3D supporting browsers
- **Pop Transition**
  Animation styles and fallback transitions definition for non-3D supporting browsers

- **Slide Transition**
  Animation styles and fallback transitions definition for non-3D supporting browsers

- **Slideup Transition**
  Animation styles and fallback transitions definition for non-3D supporting browsers

- **Slidetup Transition**
  Animation styles and fallback transitions definition for non-3D supporting browsers

- **Turn Transition**
  Animation styles and fallback transitions definition for non-3D supporting browsers

**Utilities**

- **Degrade Inputs**
  Changes input type to another after custom enhancements are made (ex. range > numeric).

- **Link Classes**
  Adds classes to links.

- **Match Media Polyfill**
  A workaround for browsers without window.matchMedia

- **"nog" Classes**
  Adds class to make elements hidden to A grade browsers

- **Zoom Handling**
  Utility methods for enabling and disabling user scaling (pinch zoom)

- **IOS Orientation Change Fix**
  Fixes the orientation change bug in iOS when switching between landscape and portrait
You can select the libraries according to your need and click the **Build My Download** button.

**Stable Download**

Click the **Stable** button, which leads directly to a ZIP file containing the CSS and JQuery files, for the latest version of jQuery mobile library. Extract the ZIP file contents to a jQuery mobile directory.

This version contains all files including all dependencies, a large collection of demos, and even the library's unit test suite. This version is helpful to getting started.
Download jQuery Library from CDNs

A CDN (Content Delivery Network) is a network of servers designed to serve files to the users. If you use a CDN link in your webpage, it moves the responsibility of hosting files from your own servers to a series of external ones. This also offers an advantage that if a visitor to your webpage has already downloaded a copy of jQuery mobile from the same CDN, it won't have to be re-downloaded. You can include the following CDN files into the HTML document.

```html
//The jQuery Mobile CSS theme file (optional, if you are overriding the default theme)
<link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">

//The jQuery core JavaScript file
<script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>

//The jQuery Mobile core JavaScript file
<script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
```

We are using the CDN versions of the library throughout this tutorial. We use AMPPS (AMPPS is a WAMP, MAMP and LAMP stack of Apache, MySQL, MongoDB, PHP, Perl & Python) server to execute all our examples.

Example

Following is a simple example of jQuery Mobile.

```html
<!DOCTYPE html>
<html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
  <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
  <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
  <div data-role="page" id="pageone">
    <div data-role="header">
      <!-- header content -->
    </div>
    <div data-role="content">
      <!-- content goes here -->
    </div>
    <div data-role="footer">
      <!-- footer content -->
    </div>
  </div>
</body>
</html>
```
Details of the above code are:

- This code is specified inside the head element.

```html
<meta name="viewport" content="width=device-width, initial-scale=1">
```
- The viewport is used to specify (by the browser) to display the page zoom level and dimension.
- content="width=device-width" is used to set the pixel width of the page or screen device.
- initial-scale=1 sets the initial zoom level, when the page is loaded for the first time.

- Include the following CDNs

```html
<link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
<script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
<script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
```

- Content inside the <body> tag is a page displayed in the browser.

```html
<div data-role="page">
...
```
• `data-role="header"` creates the header at the top of the page.

• `data-role="main"` is used to define the content of the page.

• `data-role="footer"` creates the footer at the bottom of the page.

• `class="ui-content"` includes padding and margin inside the page content.

**Output**

Let's carry out the following steps to see how the above code works:

• Save the above html code as `simple_example.html` file in your server root folder.

• Open this HTML file as http://localhost/simple_example.html and the following output will be displayed.

```
<div class="ui-content">
  <div data-role="header">
    <h1>Header Text</h1>
  </div>
  <div data-role="main">
    <h2>Welcome to TutorialsPoint</h2>
  </div>
  <div data-role="footer">
    <h3>Footer Text</h3>
  </div>
</div>
```
The user can interact with jQuery Mobile pages, which groups the content into logical views and page views. Page view can be animated using page transitions. Multiple pages can be created using HTML document and therefore, there is no need of requesting the content from the server.

Following table demonstrates the types of pages in detail.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Types &amp; Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Single Page</strong></td>
</tr>
<tr>
<td></td>
<td>A single page is created in HTML document using a standard way of writing a template.</td>
</tr>
<tr>
<td>2</td>
<td><strong>Multi-Page Template</strong></td>
</tr>
<tr>
<td></td>
<td>Multiple pages can be included in the single HTML document, which loads together by adding multiple divs with <code>data-role=&quot;page&quot;</code>.</td>
</tr>
<tr>
<td>3</td>
<td><strong>Dialogs Page</strong></td>
</tr>
<tr>
<td></td>
<td>Modal dialogs open content in an interactive overlay above the page.</td>
</tr>
</tbody>
</table>

**Single Page**

**Description**

A standard format is used to create pages many times without changing it. The following standard format is used to create a single page in the jQuery mobile.

```html
<div data-role="page">
  <div data-role="header">
    <h1>Page Title</h1>
  </div>
  <div role="main" class="ui-content">
    <p>Page content goes here.</p>
  </div>
</div>
```
Example

The following example demonstrates the use of Single Page in the jQuery Mobile.

```html
<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
    <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
    <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
    <div data-role="page" id="pageone">
        <div data-role="header">
            <h1>Single Page</h1>
        </div>

        <div data-role="main" class="ui-content">
            <h2>Welcome to TutorialsPoint</h2>
            <p>Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.</p>

            <p>It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy</p>
        </div>
    </div>
</body>
</html>
```
Output

Let's carry out the following steps to see how the above code works:

- Save above html code as `single_page.html` file in your server root folder.
- Open this HTML file as http://localhost/single_page.html and the following output will be displayed.

---

Single Page

Welcome to TutorialsPoint

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry’s standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.

It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using ‘Content here, content here’, making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy.

Footer Text
Multi-Page Template

Description

Multiple pages can be included in the single jQuery mobile document which loads together by adding multiple divs with the attribute `data-role="page"`. The div with `data-role="page"` should consist of unique id to link internally between the pages.

Example

Following example demonstrates the use of multi page in the jQuery Mobile.

```html
<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
    <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
    <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
    <div data-role="page" id="page1">
        <div data-role="header">
            <h2>Header</h2>
        </div>
        <div role="main" class="ui-content">
            <p>Lorem Ipsum is simply dummy text of the printing and typesetting industry.</p>
            <p>For more information <a href="#page2">click here</a></p>
        </div>
        <div data-role="footer">
            <h4>Footer</h4>
        </div>
    </div>
</body>
</html>
```
Output
Let's carry out the following steps to see how the above code works:

- Save the above html code as `multiple_page.html` file in your server root folder.

- Open this HTML file as `http://localhost/multiple_page.html` and the following output will be displayed.
Dialogs Page

Description
Modal dialogs open content in an interactive overlay above the page.

Following table demonstrates the types of dialogs pages in detail.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Types &amp; Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Basic Dialogs</strong></td>
</tr>
<tr>
<td></td>
<td>Include attribute <code>data-dialog=&quot;true&quot;</code> to any page to display a dialog.</td>
</tr>
<tr>
<td>2</td>
<td><strong>Transitions</strong></td>
</tr>
<tr>
<td></td>
<td>The transition plugin provides a simple transition effect.</td>
</tr>
<tr>
<td>3</td>
<td><strong>Closing Dialogs</strong></td>
</tr>
<tr>
<td></td>
<td>The closing button can be set at the right side by adding <code>data-close-btn=&quot;right&quot;</code> to the dialog container.</td>
</tr>
</tbody>
</table>
Chaining Dialogs
The `data-rel="back"` attribute is used to navigate to go back to the previous dialog.

Styling & theming
Different styling and theming can be applied to a dialog.

Dialog width and margins
By default, the dialog width and margin is set.

Basic Dialogs

Description
Include the attribute `data-dialog="true"` to any page to display a dialog. By default, the dialog box will also have a close button, if the dialog header is included. When the `dialog` attribute is included, then the framework adds styles to it, i.e. rounded corner, margin, etc.

Example
The following example demonstrates the use of basic dialogs in the jQuery Mobile.

```html
<!DOCTYPE html>
<html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
  <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
  <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
  <div data-role="page" id="page1">
    <div data-role="header">
      <!-- Add your header content here -->
    </div>
    <!-- Add your content here -->
  </div>
</body>
</html>
```
Output

Let's carry out the following steps to see how the above code works:

- Save the above html code as `basic_dialogs.html` file in your server root folder.
- Open this HTML file as `http://localhost/basic_dialogs.html` and the following output will be displayed.
Transitions Dialogs

Description
The transition plugin provides a simple transition effect. The *data-transition* attribute is used to apply a different transition on the dialog as per choice.

Example
The following example demonstrates the use of transition in the jQuery Mobile.

```html
<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
    <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
    <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
    <div data-role="page" id="page1">
        <div data-role="header">
            <h2>Header</h2>
        </div>
    </div>
</body>
</html>
```
jQuery Mobile

<div role="main" class="ui-content">
  <a href="#page2" class="ui-shadow ui-btn ui-corner-all ui-btn-inline" data-transition="slidedown">SlideDown Dialog</a>
  <a href="#page3" class="ui-shadow ui-btn ui-corner-all ui-btn-inline" data-transition="flip">Flip Dialog</a>
</div>

<div data-role="footer">
  <h4>Footer</h4>
</div>

<div data-role="page" data-dialog="true" data-close-btn="right" id="page2">
  <div data-role="header">
    <h1>Dialogs</h1>
  </div>
  <p>Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry’s standard dummy text ever since the 1500s.</p>
  <p><a href="#page1" class="ui-btn ui-corner-all">Back</a></p>
</div>

<div data-role="page" data-dialog="true" data-close-btn="none" id="page3">
  <div data-role="header">
    <h1>Dialogs</h1>
  </div>
  <p>Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s.</p>
  <p><a href="#page1" class="ui-btn ui-corner-all">Back</a></p>
</div>
Output
Let's carry out the following steps to see how the above code works:

- Save the above html code as transition.html file in your server root folder.
- Open this HTML file as http://localhost/transition.html and the following output will be displayed.

Closing Dialogs
Description
The closing button can be set at the right side by adding data-close-btn="right" to the dialog container. By default, the close button is present on the left in the dialog box, when the attribute dialog is included. If you don't need the close button in the dialog box, then you can add data-close-btn="none" to the dialog container.
Setting the Close Button Text

- Through the dialog's data-attribute, the close button text can be set.

- It is an important accessibility feature as the close button text can be modified for translating into different languages.

- By default, it displays an icon-only button.

- The text is invisible on the screen but the screen reader can read it.

- The data-attribute data-close-btn-text is set to configure the text from your markup.

- The property $\text{.mobile.dialog.prototype.options.closeBtnText}$ can be set to a particular string and you can configure for all dialogs by binding to the mobileinit event.

Example

The following example demonstrates the use of closing dialogs in the jQuery Mobile.

```html
<!DOCTYPE html>
<html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
  <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
  <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
<div data-role="page" id="page1">
  <div data-role="header">
    <h2>Header</h2>
  </div>

  <div role="main" class="ui-content">
    <a href="#page2" class="ui-shadow ui-btn ui-corner-all ui-btn-inline">Close Button</a>
    <a href="#page3" class="ui-shadow ui-btn ui-corner-all ui-btn-inline">No Close Button</a>
  </div>
</div>
</body>
</html>
```
jQuery Mobile

```html
</div>

<div data-role="footer">
  <h4>Footer</h4>
</div>

<div data-role="page" data-dialog="true" data-close-btn="right" id="page2">
  <div data-role="header">
    <h1>Dialogs</h1>
  </div>

  <div role="main" class="ui-content">
    <p>Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s.</p>
    <p><a href="#page1" class="ui-btn ui-corner-all">Back</a></p>
  </div>
</div>

<div data-role="page" data-dialog="true" data-close-btn="none" id="page3">
  <div data-role="header">
    <h1>Dialogs</h1>
  </div>

  <div role="main" class="ui-content">
    <p>Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s.</p>
    <p><a href="#page1" class="ui-btn ui-corner-all">Back</a></p>
  </div>
</div>

</body>
</html>

Output

```

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```

 tutorialspoint
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Let's carry out the following steps to see how the above code works:

- Save the above html code as `closing_dialogs.html` file in your server root folder.
- Open this HTML file as `http://localhost/closing_dialogs.html` and the following output will be displayed.

### Chaining Dialogs

**Description**

The `data-rel="back"` attribute is used to navigate to go back to the previous dialog. When one dialog is chained to the second dialog box and the second dialog is chained to the third, then using the `data-rel="back"` on the third dialog you can navigate to the second dialog box.

**Example**

Following example demonstrates the use of chaining dialogs in jQuery Mobile.

```html
<!DOCTYPE html>
<html>
```
jQuery Mobile

<head>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
  <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
  <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>

<body>
  <div data-role="page" id="page1">
    <div data-role="header">
      <h2>Header</h2>
    </div>
    <div role="main" class="ui-content">
      <a href="#page2" class="ui-shadow ui-btn ui-corner-all ui-btn-inline">Open Dialog</a>
    </div>
    <div data-role="footer">
      <h4>Footer</h4>
    </div>
  </div>
  <div data-role="page" data-dialog="true" id="page2">
    <div data-role="header">
      <h1>First Dialogs</h1>
    </div>
    <div role="main" class="ui-content">
      Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s.
      <a href="#page3" class="ui-shadow ui-btn ui-corner-all ui-btn-inline">Open Second Dialog</a>
    </div>
  </div>
</body>
Let's carry out the following steps to see how the above code works:

- Save the above html code as `chaining_dialogs.html` file in your server root folder.

- Open this HTML file as http://localhost/chaining_dialogs.html and the following output will be displayed.
Styling & Theming Dialogs

Description
Different styling and theming can be applied to a dialog. Following are the ways to apply themes and styles to a dialog:

- Themes can be included in the dialog by adding the attribute data-theme to any containers such as header, footer, or content.

- Include data-corners="false" to remove the rounded corner of the dialog as by default the corners are set as rounded.

- data-overlay-theme attribute sets the overlay to any pattern letter.

- Multiple button can also be used in the dialogs. The dialog can be fixed to the top by including \{margin-top:0\} to the class specified for the page .ui-dialog.my-dialog .ui-dialog-contain
Example
Following example demonstrates the use of styling and theming dialogs in the jQuery Mobile.

```html
<!DOCTYPE html>
<html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
  <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
  <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
  <style>
    .ui-dialog.dialog-actionsheet .ui-dialog-contain {
      margin-top: 0;
    }
  </style>
</head>
<body>
<div data-role="page" id="page1">
  <div data-role="header" data-theme="b">
    <h2>Header</h2>
  </div>

  <div role="main" class="ui-content">
    <a href="#page2" class="ui-btn ui-corner-all ui-btn-inline">Open Dialog</a>
    <a href="#page3" class="ui-btn ui-corner-all ui-btn-inline">Photos Dialog</a>
  </div>

  <div data-role="footer">
    <h4>Footer</h4>
  </div>
</div>
```
First Dialogs

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s.

Share Photos

Photos uploaded successfully

View photo page

Done
Output

Let's carry out the following steps to see how the above code works:

- Save the above html code as **style_theming.html** file in your server root folder.

- Open this HTML file as http://localhost/style_theming.html and the following output will be displayed.

---

**Header**

**Open Dialog** Photos Dialog

**Footer**

**First Dialogs**

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry’s standard dummy text ever since the 1500s.

Back

**Share Photos**

Email Share on Facebook Tweet photo Cancel

**Photos uploaded successfully**

View photo page Done

---

**Dialog Width and Margins**

By default, the dialog width and margin is set in the jQuery mobile. The default width of dialog is 92.5%. On the larger screens, the dialog top margin is set larger, i.e. 10% top margin but it gets collapsed on the small screen to a small margin. This style can be overridden in your stylesheet when needed.

```css
.ui-dialog-contain {
  width: 92.5%;
}
```
Conventions, Not Requirements

- The data-role attribute elements such as the header, footer, page, and content are used to provide the basic format and structure of a page.

- For single page documents, the page wrapper was required for auto-initialization is set as optional.

- The structural element can be excluded for a webpage with custom layout.

- To manage pages, the page wrapper is injected by the framework when it is not included by the markup.

Prefetching Pages

Including the attribute data-prefetch, we can prefetch pages into the DOM in the single page templates. For more information click here.

Prefetching Pages

Description

Including the attribute data-prefetch, we can prefetch pages into the DOM in the single page templates. It helps to link those points to the page. After the primary page is loaded, the target page is loaded in the background and the pagecreate event is triggered.

Using the pagecontainer widget's load() method, we can prefetch a page alternatively.

```javascript
$( "#mobile-pagecontainer" ).pagecontainer( "load", pageUrl, { showLoadMsg: false } );
```

Example

The following example demonstrates the use of Prefetching Pages in the jQuery Mobile.

```html
<!DOCTYPE html>
<html>
```

```text
max-width: 500px;
margin: 10% auto 15px auto;
padding: 0;
position: relative;
top: -15px;
```
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
    <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
    <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
    <div data-role="page" id="page1">
        <div data-role="header">
            <h2>Header</h2>
        </div>

        <div data-role="main" class="ui-content">
            <h2>Welcome to Tutorialspoint!!!</h2>
            <a href="#page2" data-prefetch="true" class="ui-btn ui-btn-inline">Next Page</a>
        </div>

        <div data-role="footer">
            <h2>Footer</h2>
        </div>
    </div>

    <div data-role="page" data-dialog="true" id="page2">
        <div data-role="header">
            <h2>Header</h2>
        </div>

        <div data-role="main" class="ui-content">
            <p>Click the link to go page one.</p>
            <a href="#page1" class="ui-btn">Back to Previous Page</a>
        </div>

        <div data-role="footer">
            <!-- Footer content goes here -->
        </div>
    </div>
</body>
Output

Let's carry out the following steps to see how the above code works:

- Save the above html code as `prefetching_page.html` file in your server root folder.
- Open this HTML file as http://localhost/prefetching_page.html and the following output will be displayed.

DOM Cache

When the browser memory gets full in DOM, then it slows down the mobile browser or might crash due to loading of multiple pages. There is a simple method to keep the DOM tidy:

- When a page is loaded via ajax, then it indicates to remove the page from DOM when you redirect to another page.
- The previous page which you have visited can be retrieved from the cache when you revisit it.
- Instead of removing the pages, you can tell jQuery mobile to keep it in DOM by using the following line:

```javascript
$.mobile.page.prototype.options.domCache = true;
```

- Set the domCache option as true on the page plugin to keep all the pages in the DOM, which was visited previously.

```javascript
pageContainerElement.page({ domCache: true });
```
jQuery Mobile provides a set of built-in icons, which can be used with buttons, listview buttons which will make the buttons more attractive.

Following table lists down some of the icons used in the jQuery Mobile framework.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Icon Area &amp; Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Icon Set</strong></td>
</tr>
<tr>
<td></td>
<td>It sets the icon in the button.</td>
</tr>
<tr>
<td>2</td>
<td><strong>Positioning Icons</strong></td>
</tr>
<tr>
<td></td>
<td>It specifies the position of the icon in the button.</td>
</tr>
<tr>
<td>3</td>
<td><strong>Icon-only</strong></td>
</tr>
<tr>
<td></td>
<td>It displays only an icon in the button.</td>
</tr>
<tr>
<td>4</td>
<td><strong>Icon shadow</strong></td>
</tr>
<tr>
<td></td>
<td>It adds an icon shadow in your button.</td>
</tr>
<tr>
<td>5</td>
<td><strong>Removing Circle</strong></td>
</tr>
<tr>
<td></td>
<td>It removes the grey circle around the icon.</td>
</tr>
<tr>
<td>6</td>
<td><strong>Black and White Icons</strong></td>
</tr>
<tr>
<td></td>
<td>It changes the color of icons to black or white.</td>
</tr>
<tr>
<td>7</td>
<td><strong>Combining alt and nodisc</strong></td>
</tr>
<tr>
<td></td>
<td>It combines the alt and nodisc classes to the icon.</td>
</tr>
</tbody>
</table>

**Icon Set**

**Description**

You can set the icon in the button using *ui-icon* class and *ui-btn-icon-pos_name* class for specifying the position for icon.
Example
Following example describes the use of icon setting in the jQuery Mobile Framework.

```html
<!DOCTYPE html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
<script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
<script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
<div data-role="main" class="ui-content">
  <a href="#" class="ui-btn ui-btn-icon-left ui-icon-grid">Grid Button</a>
  <button class="ui-btn ui-btn-icon-left ui-icon-arrow-d-r">arrow-d-r</button>
  <button class="ui-btn ui-btn-icon-left ui-icon-arrow-l">arrow-l</button>
  <button class="ui-btn ui-btn-icon-left ui-icon-arrow-r">arrow-r</button>
  <button class="ui-btn ui-btn-icon-left ui-icon-arrow-u">arrow-u</button>
  <button class="ui-btn ui-btn-icon-left ui-icon-arrow-u-l">arrow-u-l</button>
  <button class="ui-btn ui-btn-icon-left ui-icon-arrow-u-r">arrow-u-r</button>
  <button class="ui-btn ui-btn-icon-left ui-icon-camera">camera</button>
  <button class="ui-btn ui-btn-icon-left ui-icon-carat-l">carat-l</button>
  <button class="ui-btn ui-btn-icon-left ui-icon-carat-r">carat-r</button>
  <button class="ui-btn ui-shadow ui-corner-all ui-btn-icon-left ui-icon-check">check</button>
  <button class="ui-btn ui-shadow ui-corner-all ui-btn-icon-left ui-icon-clock">clock</button>
  <button class="ui-btn ui-shadow ui-corner-all ui-btn-icon-left ui-icon-eye">eye</button>
</div>
```
Output

Let's carry out the following steps to see how the above code works:

- Save above html code as `icons_icon_set.html` file in your server root folder.
- Open this HTML file as http://localhost/icons_icon_set.html and the following output will be displayed.

<table>
<thead>
<tr>
<th>Grid Button</th>
<th>arrow-d-r</th>
<th>arrow-l</th>
<th>arrow-r</th>
<th>arrow-u</th>
<th>arrow-u-l</th>
<th>arrow-u-r</th>
<th>audio</th>
</tr>
</thead>
<tbody>
<tr>
<td>calendar</td>
<td>camera</td>
<td>carat-l</td>
<td>carat-r</td>
<td>check</td>
<td>clock</td>
<td>eye</td>
<td></td>
</tr>
</tbody>
</table>

Icon Positioning

Description

You can determine the position of the icon (top, right, left, bottom in the button) using the `ui-btn-icon-[value]` class.

Example

Following example describes the use of icon positioning in the jQuery Mobile Framework.

```html
<!DOCTYPE html>
<head>
<title>Icon Setting</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
</head>
```
<script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
<script src="https://code.jquery.com/mobile/1.4.5/jquery-mobile-1.4.5.min.js"></script>

</head>
<body>
<div data-role="main" class="ui-content">
   <a href="" class="ui-btn ui-icon-home ui-btn-icon-left">Left</a>
   <a href="" class="ui-btn ui-icon-home ui-btn-icon-right">Right</a>
   <a href="" class="ui-btn ui-icon-home ui-btn-icon-top">Top</a>
   <a href="" class="ui-btn ui-icon-home ui-btn-icon-bottom">Bottom</a>
</div>
</body>
</html>

Output

Let's carry out the following steps to see how the above code works:

- Save the above html code as **icons_positioning.html** file in your server root folder.
- Open this HTML file as http://localhost/icons_positioning.html and the following output will be displayed.

```
Left Right Top Bottom
```

**Icon Only**

**Description**

You can display only an icon in the button using the **ui-btn-icon-notext** class.

**Example**
Following example describes the use of *displaying only icon* in the jQuery Mobile Framework.

```
<!DOCTYPE html>
<head>
    <title>Displaying only Icon</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
    <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
    <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
<div data-role="page" id="page1">
    <div data-role="header">
        <h2>Header</h2>
    </div>

    <div data-role="main" class="ui-content">
        <a href="" class="ui-btn ui-icon-home ui-btn-icon-notext">Delete</a>
    </div>

    <div data-role="footer">
        <h2>Footer</h2>
    </div>
</div>
</body>
</html>
```

**Output**

Let's carry out the following steps to see how the above code works:

- Save the above html code as `icons_only_icon.html` file in your server root folder.
- Open this HTML file as `http://localhost/icons_only_icon.html` and the following output will be displayed.
**Icon Shadow**

**Description**
You can add an icon shadow in your button using the `ui-shadow-icon` class.

**Example**
Following example describes the use of icon shadow in the jQuery Mobile Framework.

```html
<!-- DOCTYPE html -->
<head>
    <title>Displaying Icon Shadow</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
    <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
    <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
    <div data-role="page" id="page1">
        <div data-role="header">
            <h2>Header</h2>
        </div>

        <div data-role="main" class="ui-content">
            <a href="" class="ui-btn ui-shadow-icon ui-shadow ui-corner-all ui-icon-home ui-btn-icon-notext">Delete</a>
        </div>
    </div>
</body>
```
Output
Let's carry out the following steps to see how above code works:

- Save the above html code as `icons_shadow_icon.html` file in your server root folder.

- Open this HTML file as http://localhost/icons_shadow_icon.html and the following output will be displayed.

Removing Icon Circle

Description
You can remove the grey circle around the icon using the `ui-nodisc-icon` class.

Example
Following example describes the use of removing icon `circle` in the jQuery Mobile Framework.

```html
<!DOCTYPE html>
```
Output

Let's carry out the following steps to see how the above code works:

- Save the above html code as **icons_removing_circle.html** file in your server root folder.
- Open this HTML file as http://localhost/icons_removing_circle.html and the following output will be displayed.
Black and White Icon Sets

Description
You can change the color of an icon to black using the *ui-alt-icon* class. By default, all icons are white.

Example
Following example describes the use of changing icon color in the jQuery Mobile Framework.

```html
<!DOCTYPE html>
<head>
    <title>Black and White Icons</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
    <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
    <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
    <div data-role="page" id="page1">
        <div data-role="header">
            <h2>Header</h2>
        </div>
    </div>
```
Output

Let's carry out the following steps to see how the above code works:

- Save the above html code as **icons_black_white.html** file in your server root folder.
- Open this HTML file as http://localhost/icons_black_white.html and the following output will be displayed.

```
<div data-role="main" class="ui-content">
    <a href="" class="ui-btn ui-btn-inline ui-icon-home ui-btn-icon-left ui-corner-all">White icon</a>
    <a href="" class="ui-btn ui-btn-inline ui-icon-home ui-btn-icon-left ui-corner-all ui-alt-icon">Black icon</a>
</div>

<div data-role="footer">
    <h2>Footer</h2>
</div>
</body>
</html>
```

### Combining alt and nodisc

**Description**

You can combine the `alt(ui-alt-icon)` and `nodisc(ui-nodisc-icon)` classes.
Example
Following example describes the use of combining icon alt and nodisc classes in the jQuery Mobile Framework.

```html
<!DOCTYPE html>
<head>
  <title>Alt and Nodisc Classes</title>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
  <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
  <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
<div data-role="page" id="page1">
  <div data-role="header">
    <h2>Header</h2>
  </div>

  <div data-role="main" class="ui-content">
    <a href="" class="ui-btn ui-btn-inline ui-icon-home ui-btn-icon-left ui-corner-all ui-alt-icon ui-nodisc-icon">Black icon</a>
  </div>

  <div data-role="footer">
    <h2>Footer</h2>
  </div>
</div>
</body>
</html>
```

Output
Let's carry out the following steps to see how the above code works:

- Save the above html code as icons_combng_alt_nodisc.html file in your server root folder.
• Open this HTML file as http://localhost/icons_combng_alt_nodisc.html and the following output will be displayed.

Header

Black icon

Footer
It allows to change the property values, which occurs over a specified duration and alters the behavior of an element from one state to another state, by applying different styles for each state.

Following table lists down some of the page transitions used in the jQuery Mobile framework.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Transition &amp; Description</th>
<th>For Pages</th>
<th>For Dialogs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>fade You can make elements fade in and out of visibility.</td>
<td>Fade Page</td>
<td>Fade Dialog</td>
</tr>
<tr>
<td>2</td>
<td>flip Flip the elements from back to front to the next page.</td>
<td>Flip Page</td>
<td>Flip Dialog</td>
</tr>
<tr>
<td>3</td>
<td>pop You can create a popup window.</td>
<td>Pop Page</td>
<td>Pop Dialog</td>
</tr>
<tr>
<td>4</td>
<td>flow Display the next page by keeping the current page away.</td>
<td>Flow Page</td>
<td>Flow Dialog</td>
</tr>
<tr>
<td>5</td>
<td>slide You can slide the page from the right to the left.</td>
<td>Slide Page</td>
<td>Slide Dialog</td>
</tr>
<tr>
<td>6</td>
<td>slidefade Slides the page from the right to the left and fades in the next page.</td>
<td>Slidefade Page</td>
<td>Slidefade Dialog</td>
</tr>
<tr>
<td>7</td>
<td>slideup Slides the page from bottom to up.</td>
<td>Slideup Page</td>
<td>Slideup Dialog</td>
</tr>
<tr>
<td>8</td>
<td>slidedown Slides the page from top to bottom.</td>
<td>Slidedown Page</td>
<td>Slidedown Dialog</td>
</tr>
<tr>
<td>9</td>
<td>turn You can turn to the next page.</td>
<td>Turn Page</td>
<td>Turn Dialog</td>
</tr>
<tr>
<td>10</td>
<td>none You cannot use any transition effect by using this attribute.</td>
<td>None Page</td>
<td>None Dialog</td>
</tr>
</tbody>
</table>
Fade Page Transition

Description
You can make the elements fade in and out of visibility for the pages using the `data-transition="fade"` attribute.

Example
Following example describes the use of fading page in the jQuery Mobile Framework.

```html
<!DOCTYPE html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
    <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
    <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
    <div data-role="page" id="fade_page1">
        <div data-role="header">
            <h2>Header</h2>
        </div>
        <div data-role="main" class="ui-content">
            <p>Welcome to Tutorialspoint!!! Click the link to go page two.</p>
            <a href="#fade_page2" data-transition="fade">Page Two</a>
        </div>
        <div data-role="footer">
            <h2>Footer</h2>
        </div>
    </div>
    <div data-role="page" id="fade_page2">
        <div data-role="header">
            <h2>Header</h2>
        </div>
```
Output

Let's carry out the following steps to see how the above code works:

- Save the above html code as page_fade.html file in your server root folder.

- Open this HTML file as http://localhost/page_fade.html and the following output will be displayed.
Fade Dialog Transition

Description
You can make the elements fade in and out of visibility for the dialog box using the `data-transition="fade"` attribute.

Example
Following example describes the use of fading dialog box in the jQuery Mobile Framework.

```html
<!DOCTYPE html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
    <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
    <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
```
<div data-role="page" id="page1">
  <div data-role="header">
    <h2>Header</h2>
  </div>
  <div data-role="main" class="ui-content">
    <p>Welcome to TutorialsPoint!!! Click the link to see dialog box.</p>
    <a href="#page2" data-transition="fade">Page Two</a>
  </div>
  <div data-role="footer">
    <h2>Footer</h2>
  </div>
</div>

<div data-role="page" data-dialog="true" id="page2">
  <div data-role="header">
    <h2>This is Dialog box</h2>
  </div>
  <div data-role="main" class="ui-content">
    <p>Click the link to go page one.</p>
    <a href="#page1">Page One</a>
  </div>
  <div data-role="footer">
    <h2>Footer</h2>
  </div>
</div>

Output
Let's carry out the following steps to see how the above code works:

- Save the above html code as `dialog_fade.html` file in your server root folder.
Open this HTML file as http://localhost/dialog_fade.html and the following output will be displayed.

```
<!DOCTYPE html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
  <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
  <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
  <p>Header</p>
  Welcome to TutorialsPoint!!! Click the link to see dialog box.
  <p>Page Two</p>
  <p>Footer</p>
  This is Dialog box
  Click the link to go page one.
  <p>Page One</p>
  <p>Footer</p>
</body>
```

**Flip Page Transition**

**Description**
You can flip the elements from the back to the front to the next page using the `data-transition="flip"` attribute.

**Example**
Following example describes the use of page flip in the jQuery Mobile Framework.
Output
Let's carry out the following steps to see how the above code works:
• Save the above html code as page_flip.html file in your server root folder.

• Open this HTML file as http://localhost/page_flip.html and the following output will be displayed.

```
Header
Welcome to TutorialsPoint!!! Click the link to flip the page.
Page Two
Footer
Header
Click the link to go page one.
Page One
Footer
```

**Flip Dialog Transition**

**Description**
You can flip the elements from the back to the front to the next page using the dialog box by setting the `data-transition="flip"` attribute.

**Example**
Following example describes the use of dialog flip in the jQuery Mobile Framework.

```html
<!DOCTYPE html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
    <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
</head>
```
Welcome to Tutorialspoint!!! Click the link to flip the page.

Click the link to go page one.
Let's carry out the following steps to see how the above code works:

- Save the above html code as `dialog_flip.html` file in your server root folder.
- Open this HTML file as `http://localhost/dialog_flip.html` and the following output will be displayed.

**Page Popup Transition**

**Description**
Create a popup window for the page using the `data-transition="pop"` attribute.

**Example**
Following example describes the use of page popup in the jQuery Mobile Framework.

```html
<!DOCTYPE html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
    <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
    <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
    <div data-role="page" id="page1">
        <div data-role="header">
            <h2>Header</h2>
        </div>
        <div data-role="main" class="ui-content">
            <p>Welcome to Tutorialspoint!!! Click the link to open the popup window.</p>
            <a href="#page2" data-transition="pop">Page Two</a>
        </div>
        <div data-role="footer">
            <h2>Footer</h2>
        </div>
    </div>
</body>
```
Output

Let's carry out the following steps to see how the above code works:

- Save the above html code as `page_popup.html` file in your server root folder.
- Open this HTML file as `http://localhost/page_popup.html` and the following output will be displayed.
Dialog Popup Transition

Description
Create a popup window for the page using the dialog box by setting the `data-transition="pop"` attribute.

Example
Following example describes the use of dialog popup in the jQuery Mobile Framework.

```html
<!DOCTYPE html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
    <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
    <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>
<body>
    <div data-role="page" id="page1">
        Welcome to Tutorialspoint!!! Click the link to open the popup window.
    </div>
</body>
</html>
```
Output
Let's carry out the following steps to see how the above code works:

- Save the above html code as dialog_popup.html file in your server root folder.
Open this HTML file as http://localhost/dialog_popup.html and the following output will be displayed.

```html
<!DOCTYPE html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
  <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
  <script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>
</head>

<body>
  <header>
    Welcome to Tutorialspoint!!! Click the link to open the popup window using dialog box.
  </header>
  <main>
    <section data-transition="flow">
      <header>
        Click the link to go page one.
      </header>
      <footer>
      </footer>
    </section>
    <section data-transition="flow">
      <header>
        Click the link to go page two.
      </header>
      <footer>
      </footer>
    </section>
  </main>
</body>
</html>
```

**Page Flow Transition**

**Description**
You can display the next page by keeping the current page away by using the `data-transition="flow"` attribute.

**Example**
Following example describes the use of page flow in the jQuery Mobile Framework.
Output
Let's carry out the following steps to see how the above code works:
Save the above html code as `page_flow.html` file in your server root folder.

Open this HTML file as `http://localhost/page_flow.html` and the following output will be displayed.

```html
<!DOCTYPE html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
    <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
</head>
<body>
    <header>
        Welcome to TutorialsPoint!!! Click the link to throw the current page away and comes in with the next page.
    </header>
    <nav>
        <a href="Page Two">Page Two</a>
    </nav>
    <footer>
        Click the link to go page one.
    </footer>
    <footer>
</body>
</html>
```

**Dialog Flow Transition**

**Description**
You can display the next page by keeping the current page away using the dialog box by setting the `data-transition="flow"` attribute.

**Example**
Following example describes the use of dialog flow in the jQuery Mobile Framework.

```html
<!DOCTYPE html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.css">
    <script src="https://code.jquery.com/jquery-1.11.3.min.js"></script>
</head>
<body>
    <header>
        Welcome to TutorialsPoint!!! Click the link to throw the current page away and comes in with the next page.
    </header>
    <nav>
        <a href="Page Two">Page Two</a>
    </nav>
    <footer>
        Click the link to go page one.
    </footer>
    <footer>
</body>
</html>
```
<script src="https://code.jquery.com/mobile/1.4.5/jquery.mobile-1.4.5.min.js"></script>

</head>
<body>
<div data-role="page" id="page1">
  <div data-role="header">
    <h2>Header</h2>
  </div>
</div>
End of ebook preview
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