

Qantas Mobile Portal JSP Structure

This document will go through the way the JSP pages are structured for the Qantas Mobile Portal.

Configuration

- **qf_mobile_sales_portal_war** – The Mobile Sales consumer portal.
- **qf_booking_portal_war** – The producer portal that is responsible for the mobile View Your Booking application.
- **qf_airport_portal_war** – The producer portal that is responsible for the mobile Check In application.

Consumer Portal - qf_mobile_sales_portal_war

This consumer portal handles the interaction with NMF as well as the base rendering of the HTML page that is to be displayed.

Only part of the Weblogic Skeletons and Skins framework is utilised due to the dynamic nature of the footers and titlebar of the pages generated in the producer portal.

“standard” devices

The following skeleton JSP's are used:

1. **head.jsp** – References the CSS, fav icon and metadata tags used by standard devices.
2. **header.jsp** – Determines the type of Qantas logo image to display. That is:



3. **footer.jsp** – The default footer links for any errors.

These modified files are located at:

qantas_appserv_i18n\portal\qf_mobile_sales_portal_war\WebContent\resources\jsp\mobile

“advanced” devices

The following skeleton JSP is used:

1. **head.jsp** – References the CSS, fav icon, javascripts and metadata tags used by standard devices. No Qantas logo is displayed.

This modified file is located at:

\qantas_appserv_i18n\portal\qf_mobile_sales_portal_war\WebContent\resources\jsp\mobile\webkit

Producer Portals - qf_booking_portal_war & qf_airport_portal_war

“pageld” variable

The most important variable for all JSP pages is the “**pageld**” variable. This is used to identify the JSP and used to retrieve the appropriate strings from the i18n properties file.

Whenever a new JSP is created, a unique “**pageld**” needs to be defined. Once defined, the following resources need to be defined in the appropriate .properties file:

Resource Name	Description
title.header.<pageld>	The text to display in the title bar of standard JSP pages.
title.header.<pageld>.wkt	The text to display in the top bar area of Webkit JSP pages. The reason why this is separate to the above one is because of the screen real estate available. In some instances a shorter title heading is required for webkit browsers.
href.footer.<pageld>.link.01	The URL link for the first footer element (this can be a blank entry).
href.footer.<pageld>.link.02	The URL link for the second footer element (this can be a blank entry).
href.footer.<pageld>.link.03	The URL link for the third footer element (this can be a blank entry).
label.footer.<pageld>.link.01	The first footer element’s URL label for standard pages (this can be a blank entry).
label.footer.<pageld>.link.02	The second footer element’s URL label for standard pages (this can be a blank entry).
label.footer.<pageld>.link.03	The third footer element’s URL label for standard pages (this can be a blank entry).
label.footer.<pageld>.wkt.link.01	The first footer element’s URL label for webkit pages (this can be a blank entry).
label.footer.<pageld>.wkt.link.02	The second footer element’s URL label for webkit pages (this can be a blank entry). Usually this is not required as the navigation for webkit pages is at the top of the page.
label.footer.<pageld>.wkt.link.03	The third footer element’s URL label for webkit pages (this can be a blank entry). Usually this is not required as the navigation for webkit pages is at the top of the page.

For example for the “**your.bookings**” pageId:

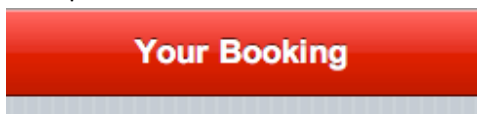
- title.header. your.bookings=Your Booking

Example header for standard device:



- title.header. your.bookings.wkt=Your Booking

Example header for webkit devices:



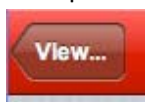
- href.footer.your.bookings.link.01=/mobile-travel/airlines/your-booking-details/global/en
- href.footer.your.bookings.link.02=/flightinfo/do/dyn/mobile
- href.footer. your.bookings.link.03=
- label.footer. your.bookings.link.01=View Your Booking
- label.footer. your.bookings.link.02=Qantas Home
- label.footer. your.bookings.link.03=

Example footer for standard devices:



- label.footer. your.bookings.wkt.link.01=View...
- label.footer. your.bookings.wkt.link.02=
- label.footer. your.bookings.wkt.link.03=

Example navigation for webkit devices:



Standard JSP Structure

All Standard JSP's for the producer portals will need to have the following fragments.

If a new producer portal needs to be created, it is generally acceptable to copy these fragments over from an existing producer portal.

These were not included in the consumer portal because of the complexity of passing the page state over from the producer to the consumer portal. Given the constraints of the project, it was decided to have these fragments within the producer portal.

titlebar.jsp

- Included in the body of the JSP page, usually near the top of the page.
- Usually after the messages have been retrieved from the i18n taglib.
- Handles the displaying of the title bar line in the JSP. For instance:



- Handles the dynamic changing of the title of the web browser page to display the actual page that is being viewed. For instance: **"Qantas – View Your Booking"**.

The javascript function "changeTitle()" handles the dynamic changing of the page title. The reason being is because there was no way to dynamically change the title via Weblogic Portal.

- Should not require any modifications.

footer.jsp

- Included in the body of the JSP page, usually at the bottom of the page.
- Handles the displaying of the footer links. For instance:



- Includes a link to the omniture JSP.
- Should not require any modifications.

omniture.jsp

- Referenced from the footer.jsp.
- Handles the registration of the page has been viewed within Omniture.
- Should not require any modifications.

Webkit JSP Structure

The Webkit JSP's uses the iWebkit iPhone/HTML 5 framework to provide the iPhone look and feel. More information can be found here: <http://iwebkit.net/>.

It is strongly recommended developers should go through the iWebkit documentation that is available online.

The version that is used for the Qantas Mobile site is version 4.5.1. There is no plan at present to port this over to version 5.0 as there have been modifications to the base iwebkit CSS.

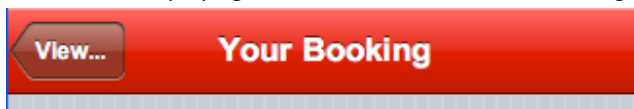
All Webkit JSP's for the producer portals will need to have the following fragments.

If a new producer portal needs to be created, it is generally acceptable to copy these fragments over from an existing producer portal.

These were not included in the consumer portal because of the complexity of passing the page state over from the producer to the consumer portal. Given the constraints of the project, it was decided to have these fragments within the producer portal.

topbar.jsp

- Included in the body of the JSP page, usually near the top of the page.
- Works on the same principles as the **titlebar.jsp** for Standard pages.
- Usually after the messages have been retrieved from the i18n taglib.
- Handles the displaying of the title bar line as well the navigation in the JSP. For instance:



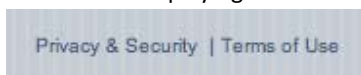
- Handles the dynamic changing of the title of the web browser page to display the actual page that is being viewed. For instance: **"Qantas – View Your Booking"**.

The javascript function "changeTitle()" handles the dynamic changing of the page title. The reason being is because there was no way to dynamically change the title via Weblogic Portal.

- Should not require any modifications.

footer.jsp

- Included in the body of the JSP page, usually at the bottom of the page.
- Handles the displaying of the footer links. For instance:



- Includes a link to the omniture JSP.
- Should not require any modifications.

omniture.jsp

- Referenced from the footer.jsp.
- Handles the registration of the page has been viewed within Omniture.
- This is a separate file to the Standard version because it requires to log that the page is an iPhone/Webkit page.
- Should not require any modifications.

Standard JSP Page Breakdown Example – Your Bookings

Section – Qantas logo + titlebar



```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE html PUBLIC "-//WAPFORUM//Ddiv XHTML Mobile 1.0//EN"
"http://www.wapforum.org/Ddiv/xhtml-mobile10.ddiv">

<html>
  <head>
    <meta name="HandheldFriendly" content="true" />
    <meta name="x-rim-auto-match" http-equiv="x-rim-auto-match" forua="true"
content="none" />
    <meta http-equiv="CACHE-CONTROL" content="NO-CACHE">
    <meta http-equiv="PRAGMA" content="NO-CACHE">
    <meta http-equiv="EXPIRES" content="-1" />

    <link rel="shortcut icon" href="/img/icons/favicon.ico"/>
    <link rel="stylesheet" type="text/css" href="/styles/mobile/qantas-mobile.css" />
  </head>

  <title>Mobile Booking Portal</title>

  <body>
    <div class="hd">
      
    </div>

    <script type="text/javascript">
      function changeTitle()
      { document.title ='Qantas - Your Booking';
      }
      onload=changeTitle();
    </script>
    <div class="tb">
      <label class="title">Your Booking</label>
    </div>
```


Section – Booking Reference

Booking Reference
5SSFCC

```
<div class="subjectbar">
    <label class="title">Booking Reference</label>
</div>
<div class="navtable">
    <b>5SSFCC</b>
</div>
```

Section – Passengers

Passengers	
Mr W Fysh - QF 6142102 Booking Contact	>
Kaitlyn Fysh - QF 6142102	>
Mtr Marcus Fysh	

```
<div class="subjectbar">
    <label class="title">Passengers</label>
</div>
<div class="navtable">
    <div class="nr-text-icon">
        <a href="...">
            <span class="navpan padding-left2">
                Mr W Fysh - QF 6142102
            </span>
            <br />
            <span class="extra-comments">&nbsp;Booking Contact</span>
        </a>
    </div>
    <div class="nr-text-icon">
        <a href="...">
            <span class="navpan padding-left2">
                Kaitlyn Fysh - QF 6142102
            </span>
        </a>
    </div>
    <div class="nr-text">
        <span class="navpan padding-left2">
            Mtr Marcus Fysh
        </span>
    </div>
</div>
```

Section – Your Flights

Your Flights

Flight:

QF408

From:

Melbourne 28 Feb 2010 at 0700

To:

Sydney 28 Feb 2010 at 0825

[Flight Details...](#)

Flight:

QF409

From:

Sydney 16 Mar 2010 at 0700

To:

Melbourne 16 Mar 2010 at 0830

[Flight Details...](#)

```
<div class="subjectbar">
  <label class="title">Your Flights</label>
</div>
<div class="reg">
  <div class="navtable">
    <div class="hdg">Flight:</div>
    <div>QF408</div>
    <div class="hdg">From:</div>
    <div>Melbourne 28 Feb 2010 at 0700</div>
    <div class="hdg">To:</div>
    <div>Sydney 28 Feb 2010 at 0825</div>
    <div class="link">
      <a href="..." class="ql">Flight Details...</a>
    </div>
  </div>
</div>
<div class="al">
  <div class="navtable">
    <div class="hdg">Flight:</div>
    <div>QF409</div>
    <div class="hdg">From:</div>
    <div>Sydney 16 Mar 2010 at 0700</div>
    <div class="hdg">To:</div>
    <div>Melbourne 16 Mar 2010 at 0830</div>
    <div class="link">
      <a href="..." class="ql">Flight Details...</a>
    </div>
  </div>
</div>
```

Section – Footer + Omniture

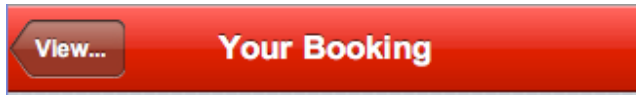
View Your Booking | Qantas Home

```
<div class="fl1">
  <ul id="nl">
    <li>
      <a href="...">View Your Booking</a>
    </li>
    <li>
      <a href="/flightinfo/do/dyn/mobile">Qantas Home</a>
    </li>
  </ul>
</div>

</body>
</html>
```

Webkit JSP Page Breakdown Example – Your Bookings

Section – Top bar



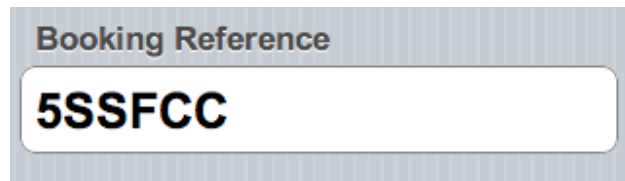
```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
<html>
  <head>
    <meta content="text/html; charset=utf-8" http-equiv="Content-Type" />
    <meta content="minimum-scale=1.0, width=device-width, maximum-scale=0.6667,
      user-scalable=no" name="viewport" />
    <meta name="format-detection" content="telephone=no" />
    <meta http-equiv="CACHE-CONTROL" content="NO-CACHE">
    <meta http-equiv="PRAGMA" content="NO-CACHE">
    <meta http-equiv="EXPIRES" content="-1" />

    <link rel="shortcut icon" href="/img/icons/favicon.ico"/>
    <link rel="stylesheet" type="text/css"
      href="/styles/mobile/iwebkit/css/style.css" />
    <script src="/styles/mobile/iwebkit/js/functions.js" type="text/javascript">
    </script>
    <script src="/styles/mobile/iwebkit/js/add-on-functions.js"
      type="text/javascript">
    </script>
    <script type="text/javascript">
      window.onload = init;
    </script>
  </head>

  <title>Mobile Booking Portal</title>

  <body>
    <script type="text/javascript">
      function changeTitle()
      { document.title = 'Qantas - Your Booking';
      }
      onload=changeTitle();
    </script>
    <div id="topbar">
      <div id="title" style="font-size:13pt;">
        Your Booking
      </div>
      <div id="leftnav">
        <a href="#">View...</a>
      </div>
    </div>
```

Section – Booking Reference



```
<div id="content">  
  <span class="graytitle">Booking Reference</span>  
  <ul class="pageitem">  
    <li class="menu">  
      <span class="displaytext">5SSFCC</span>  
    </li>  
  </ul>  
</div>
```

Section – Passengers

Passengers	
Mr W Fysh QF 6142102 Booking Contact	>
Kaitlyn Fysh QF 6142102	>
Mtr Marcus Fysh	

```
<span class="graytitle">Passengers</span>
<ul class="pageitem">
  <li class="menu" style="height:65px;">
    <a href="#">
      <span class="name-contact">
        Mr W Fysh
      </span>
      <span class="extra-comment">
        QF 6142102
      </span>
      <span class="additional-comment">
        Booking Contact
      </span>
      <span class="arrow"></span>
    </a>
  </li>
  <li class="menu">
    <a href="#">
      <span class="name-contact">
        Kaitlyn Fysh
      </span>
      <span class="extra-comment">
        QF 6142102
      </span>
      <span class="arrow">
      </span>
    </a>
  </li>
  <li class="menu">
    <span class="name">
      Mtr Marcus Fysh
    </span>
  </li>
</ul>
```

Section – Your Flights

Your Flights

Flight QF408

From Melbourne 28 Feb 2010 at 0700

To Sydney 28 Feb 2010 at 0825

Flight QF409

From Sydney 16 Mar 2010 at 0700

To Melbourne 16 Mar 2010 at 0830

```
<span class="graytitle">Your Flights</span>
<ul class="pageitem small labelled">
  <li class="menu">
    <a href="#">
      <span class="label">
        Flight
      </span>
      <span class="content-link">
        QF408
      </span>
      <span class="arrow"></span>
    </a>
  </li>
  <li class="textbox">
    <span class="label">From</span>
    <span class="content">Melbourne 28 Feb 2010 at 0700</span>
  </li>
  <li class="textbox">
    <span class="label">To</span>
    <span class="content">Sydney 28 Feb 2010 at 0825</span>
  </li>
</ul>
<ul class="pageitem small labelled">
  <li class="menu">
    <a href="#">
      <span class="label">
        Flight
      </span>
      <span class="content-link">
        QF409
      </span>
      <span class="arrow"></span>
    </a>
  </li>
  <li class="textbox">
    <span class="label">From</span>
    <span class="content">Sydney 16 Mar 2010 at 0700</span>
  </li>
</ul>
```

```

        <li class="textbox">
            <span class="label">To</span>
            <span class="content">Melbourne 16 Mar 2010 at 0830</span>
        </li>
    </ul>
</div> <!-- Close div for the div id="content" -->

```

Section – Footer + Omniture



```

<div class="foot-content">
    <div class="foot-menu">
        <p>
            <a href="http://www.qantas.com.au/info/privacy">
                Privacy & Security &#124;&nbsp;
            </a>
            <a href="http://www.qantas.com.au/info/termsOfUse">
                Terms of Use
            </a>
        </p>
    </div>
</div>

</body>
</html>

```