<Use Case Realization: Reverse Bulletin Board – Red-e-deals>

Version 1.0

REVISION LIST

Ver.	Date Released	Modifications	Author(s) and Department	Reviewer(s) and Department
1.0		Initial version	Senthil	

RELATED DOCUMENTS

Document Title	File Name and Location	Summary

TABLE OF CONTENTS

1. Introduction

This document explains the use case realization of Red-e-deals -- Reverse Bulletin Board functionality in Qantas.com.

2. Requirements

Users could be able to select the destination city and the application has to provide the departure cities which are having flights to the destination city that the user has selected. By default the application will route to Sydney which the default city for Australia Region.

3. Design Elements

3.1 Components Involved

Only Presentation layer is created newly to accommodate Reverse Bulletin Board Changes. Rest of the layers, which are created for Bulletin Board has been used. RBB shares the business layer of the Bulletin Board.

The concept is to use the existing pricing Bulletin Board data in cache for Reverse Bulletin Board as well.

New Portlets, jsps and action classes are created for RBB. From Delegate onwards it is using the java classes which are already in use for Bulletin board.

3.1.1 Page Configuration

Page Configuration changes have been done to introduce Red deals arrival page

URL -> /travel/airlines/domestic-flight-specials/to/global/en

3.1.2 Portlets

pricingRedDealsArrivalRemote.portlet is created in sales application which will call struts-red-deals-arrival.portlet in pricing portal application.

3.1.3 Jsps

dynrededealsArrival.jsp and dynRededealsArrivalBulletinBoardInclude.jsp has been created for red-e-deals RBB presentation. queryCurrentDealsRSSArrivalResult.xml.jsp has been created for RSS.

3.1.4 Action

DisplayRedEDealsArrivalAction.java created for red-e-deals RBB and QantasCurrentDealsForRSSArrivalAction.java for RSS.

3.1.5 Delegate & Impl Services

Existing delegate & Impl services for Bulletin Board has been used.

3.1.6 ViewBean

Existing viewBean for BB is used for RBB and it has been modified to accommodate arrival airport related values as well.

3.1.7 Caching

Existing cache is used and the cache data is used for displaying deal individuals. RBB is using the same cache which BB is using. Federation backing classes are also the same for both RBB and BB.
Since RBB uses the same data as BB, no new Database changes and no new caching changes are implemented.

3.1.8 Destination city details – Tripplanner excerpt

    The above details are designed and provided with the help of destination guide xmls and through xsl transformation. Destination xmls and xsl are maintained through teamsite and available at the following path:

Destination xmls -> portal_content/publicjsp/destinationguide/xml/destinationguides/
Destination xsl -> portal_content/publicjsp/destinationguide/xsl/pricingdestination.xsl

The xmls and xsl are deployed in sales application through teamsite.

3.1.9 Js and CSS

jquery.xslt.js has been introduced which will be included in combine-src-common.js and combine-common.js and is responsible for xslt transformation of destination xmls.

\js\bulletinboards\from_en_AU.js has been introduced which will manage the Red-e-deals RBB Page.

\styles\themes\portal\custom\bulletinboard\ from.css and from_en_AU.css files are introduced to manage the styles.

Apart from the above files, existing js and css for bulletin board are also used.

4. Known Problems and Troubleshooting

1) Since the data (current bundle's view bean) is from the cache which is used for Pricing BB, the same trouble shooting mechanism which is followed for Pricing BB has to be followed.
2) Destination city data are based on destination xmls and xsl. If any data are not getting displayed, the particular destination city xml has to be checked for the availability of the data. If the problem is consistent across all the cities, then xsl needs to be checked, whether it is fetching the appropriate sections from xmls.

5. Future enhancements

1) Events section should bring up the next three events based on the current date.