**New Codington Festival Online Project -   
Component Class Design**

**Project:** New Codington Festival Online Project

**System:** Festival Event Registration System – Release 1

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# Component Class Design – FERS Release 1

The intention of this document is to provide the information expected to be captured by a Component/Class Design. It is used to design a single component which contains one or more classes.

For this project, the details of the code for the high level and detail level will be provided in a Javadocs (API documentation in HTML format from Java source code. The HTML format is used to add the convenience of being able to hyperlink related documents together. It’s created by JavaDoc, a documentation generator from Sun Microsystems.)

The Javadocs referred to here in this document, provided an explanation of the purpose and actions of each class and their methods. The current Javadocs do not contain the logic performed by each method. Once completed, see the detailed version of the Javadocs for these details.

# List of Packages and Classes

|  |  |
| --- | --- |
| **Packages List** | **Classes List** |
| com.accenture.adf.businesstier.controller  com.accenture.adf.businesstier.dao  com.accenture.adf.businesstier.entity  com.accenture.adf.exceptions  com.accenture.adf.helper  com.accenture.adf.test |  |

# Package/Class Summary

## Package com.accenture.adf.businesstier.controller

|  |  |
| --- | --- |
| **Class Summary** | |
| EventController | A controller class for receiving and handling all event related transactions from the User Interface including finding all available events in the Event Catalog. |
| VisitorController | A controller class for receiving and handling all visitor related transactions from the User Interface including visitor account access, visitor account maintenance, and visitor event registration requests. |

## Package com.accenture.adf.businesstier.dao

|  |  |
| --- | --- |
| **Class Summary** | |
| EventDAO | A Data Access Object (DAO) class for handling and managing event related data requested, updated, and processed in the application and maintained in the database. The interface between the application and event data persisting in the database. |
| VisitorDAO | A Data Access Object (DAO) class for handling and managing visitor related data requested, used, and processed in the application and maintained in the database. The interface between the application and visitor data persisting in the database. |

## Package com.accenture.adf.businesstier.entity

|  |  |
| --- | --- |
| **Class Summary** | |
| Event | A Plain Old Java Object (POJO) entity class that stores (and helps to persist in the application) some or all information from the Event Table in the database. |
| People | A Plain Old Java Object (POJO) entity class that stores (and helps to persist in the application) some of the information from the Visitor Table. People is the parent class of the Visitor Class. |
| Visitor | A Plain Old Java Object (POJO) entity class that stores (and helps to persist in the application) more information from the Visitor Table. |

## Package com.accenture.adf.businesstier.service

|  |  |
| --- | --- |
| **Interface Summary** | |
| EventFacade | An interface for defining and enforcing operations needed for the Event Service class. It provides the scope of possible database requests made through the EventDAO. |
| VisitorFacade | An interface for defining and enforcing operations needed for the Visitor Service Class. It provides the scope of possible database requests made through the VisitorDAO. |

|  |  |
| --- | --- |
| **Class Summary** | |
| EventServiceImpl | A service class that implements the EventFacade. Makes event-related data requests to the EventDAO class |
| VisitorServiceImpl | A service class that implements the VisitorFacade. Makes visitor-related data requests to the VisitorDAO class |

## Package com.accenture.adf.exceptions

|  |  |
| --- | --- |
| **Exception Summary** | |
| FERSGenericException | A customized Exception class that redirects how the ClassNotFoundException, SQLException and Exception objects are handled in the application. |

## Package com.accenture.adf.helper

|  |  |
| --- | --- |
| **Class Summary** | |
| FERSDataConnection | A helper class that centralizes the management of data connections in the underlying database. |
| FERSDbQuery | A helper class that makes available to the application SQL queries that are externalized and centrally maintained using the Spring Framework. |

## Package com.accenture.adf.test

|  |  |
| --- | --- |
| **Class Summary** | |
| TestVisitorDAO | A Junit test case for the VisitorDAO class. It is used to test all repository methods which call database sub-routines. |

# Javadoc Reference (for Class, Interface and other details)

Refer to the high level JavaDocs in the following compressed (zip) file in the NCCC Work Products folder:

**Name of the file:** *JavaDoc\_withNoComments\_FERS\_R1\_REF.zip*

Once complete, the detail design level Javadocs will be available in the following compressed (zip) file in the NCCC Work Products folder:

**Name of the file:** *JavaDoc\_with\_Comments\_FERS\_R1\_REF.zip*

This file will contain the pseudo-code for the methods in the application to be implemented.

Unzip the zip file into a folder and click on ‘index.html’ within the ‘doc’ folder to see the JavaDoc’. Use the links in the JavaDoc to see the details for each of the Classes and Interfaces within each Package.

# Note

For more examples of templates and completed component/class designs, refer to the Component Class Design document samples and Templates in ADM for Custom Development v 5.1 Controlled Release.