***<BaseRequest.java>***

FILTER

**DB Exception.java**

**Functional.java**

Exception

**AppException.java**

//TO DO

AUTHERIZATION

AUTHENTATION

ERROR MESSAGE

LOGGING

My Sql Database

**XXXEntity.java**

Transactional Based

**XXXDaoImpl.java**

(This is the Actual Data Access Class)

**<< XXXDao.java >>**

***<BaseManager.java>***

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**XXXBIImpl.java**

(Actual Busyness Logic Implementation Class)

**XXXDO.java**

(This class contains the columns of table as properties)

**XXXRequest.java**

***BaseResponse.java***

**XXXResponse.java**

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**AppActionServlet.java**

**ActionServlet.java**

Page Design Processor

**XXXManager.java**

Transaction Starts From Here

**Table Creation Rules:**

* Table Name should be capitals and with “\_” (under score).
* Tables Name Should end with \_T.
* Table name should not be more than 30 characters.
* Do not modify the base tables for application (base tables are like APP\_ XXX\_T).
* Update the Tables sheet (App Tables.xls) when creating a new table.
* Every table should have the below two columns.
  + `CREATED\_ON ,
  + `CREATED\_BY
  + `UPDATED\_ON
  + `UPDATED\_BY
* After every Table creation script in the main script check by printing that the table is created or not.

Base Tables are as below:

APP\_TEXT\_T : This table holds the ID and Description of a label or Caption or Header

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ATXT \_ID | ATXT \_DESC | ATXT \_CREATED\_BY | CREATED | ATXT \_REASON |
| 1001 | First Name | Debi | 26/06/1980 | To use as First Name |

APP\_PAGE\_DATA\_T: This is the Default data provide by the system for a page

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| APD\_NAME | APD \_ID | APD \_SHOW | APD \_DISPLAY | APD\_TYPE | APD\_CONT | APD\_POS | ADP\_POS\_GRP |
| XXX | 1001 | Y | O | BL | CONT\_1 | 1 |  |
| XXX | 1002 | N | H | F | CONT\_1 | 1 | 2 |
| XXX | 1003 | Y | R | H | CONT\_1 | 3 |  |
| XXX | 1004 | N | SR | BT | CONT\_1 | 4 |  |
| XXX | 1005 | Y | SH | F | CONT\_1 | 5 |  |

APD \_SHOW: This filed is used to decide that are we going to show the field in the page or not

Y: show the filed in page

N: Don’t show the field in the page

APD \_DISPLAY: This is the attribute which is responsible for showing the field in the page as below:

O: Optional (screen wont check for data in the field)

H: Hidden (field is hidden – not visible to the user)

R: Required (field is required so data should be provided from the screen for the field)

SR: System Required (this is required be the system)

SH: System Hidden (this field is used in the system as hidden variable)

APD\_TYPE: This attribute is used for different types control that available in the page

F: Field

BT: Button

H: Header

BL: Block

APD\_CONT: This attribute is used to show the field in which Container. Its values should starts from cont\_xx

APD\_POS: This attribute is used to show the field in which sequence in the Container.

ADP\_POS\_GRP: This attribute is used to show the field in a group in respective with APD\_POS.

APP\_PAGE\_USER\_DATA\_T: This is the User Modified Data of a page for the particular user.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| APUD\_NAME | APUD \_ID | APUD \_SHOW | APUD \_DISPLAY | APUD \_TYPE | APUD \_CONT | APUD \_POS | APUD \_POS\_GRP | APUD\_USER\_GRP |
| XXX | 1001 | Y | O | BL | CONT\_1 | 1 |  | DEBI |
| XXX | 1002 | N | H | F | CONT\_1 | 1 | 2 | DEBI |
| XXX | 1003 | Y | R | H | CONT\_1 | 3 |  | DEBI |
| XXX | 1004 | N | SR | BT | CONT\_1 | 4 |  | DEBI |
| XXX | 1005 | Y | SH | F | CONT\_1 | 5 |  | DEBI |

APUD\_USER\_GRP: This is the User Group for which the page is modified by the Group manager (Only Group Manager has Permission)