# Development of Report Forms

# Oracle FLEXCUBE Universal Banking

Release 14.4.0.3.0

Part No. F38223-01

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## 1. Preface

This document guides the developer in designing a Report form using Oracle FLEXCUBE Development Workbench for Universal Banking

## 1.1. Audience

This document is intended for FLEXCUBE Application developers/users that use Development Workbench to develop various FLEXCUBE components.

To Use this manual, you need conceptual and working knowledge of the below:

Proficiency	Resources
FLEXCUBE Functional Architecture	Training programs from Oracle Financial Software Services.
FLEXCUBE Technical Architecture	Training programs from Oracle Financial Software Services.
FLEXCUBE Object Naming conventions	Development Overview Guide
FLEXCUBE Screen Development	04-Development_WorkBench _Screen_Development-I.docx
Working knowledge of Web based applications	Self Acquired
Working knowledge of Oracle Database	Oracle Documentations
Working knowledge of PLSQL & SQL Language	Self Acquired
Working knowledge of XML files	Self Acquired

#### 1.2. Related Documents

04-Development\_WorkBench \_Screen\_Development-I.docx

<u>05-Development\_WorkBench\_Screen\_Development-II.docx</u>

### 2. Introduction

This document provides information on:

- <u>Chapter 1 , "Introduction"</u>
- <u>Chapter 1 , "Overview of FLEXCUBE Reports"</u>
- Chapter 2, "Designing Report Form"

### 3. Overview of FLEXCUBE Reports

Reports in FLEXCUBE UBS are used to fetch the data from FLEXCUBE database Schema based on the report Query criteria and render on screen or print.

FLEXCUBE UBS uses two software as reporting platforms.

- Oracle Business Intelligence Publisher (BIP)
- Oracle Business Intelligence Enterprise Edition (OBIEE)

This document describes the process of designing a Report Form for a BIP Report using Development Workbench. The process of designing RTF and XDO files are not explained in this manual.

#### Note:

This document assumes a given report RTF file and data template XML is already available.

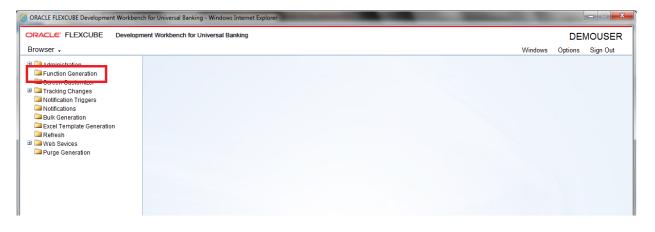
### 4. Designing Report Form

1. Login to FLEXCUBE Development workbench

ORACLE FLEXCUBE Development Workbench for Universal Banking - Windows Internet Explorer		
ORACLE		
ORACLE FLEXCUBE		
Development Workbench for Unive		
LOGIN		
Password		
Sign In		
ppyright © 2012, Oracle and/or its affiliates. All rights reserved.		

Fig 4.1 Login Page

2. From browser, select 'Function Generation'





3. Select 'New' from 'Action', and set the function type as 'Report' from the drop down list in 'Function Category'. Type in the name of the screen; make sure that the third letter of the name is 'R'.

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Fig 4.3: Report Screen design

4. Add data sources by right clicking on 'DataSource'. In a report screen, the only table that should be added is '**CSTB\_UI\_COLUMNS**'. Add columns from the table as required. The number of columns to be added depends on the number of report parameters required in the report screen. Add as many fields as required in the report screen.

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Fig 4.4: Adding Data Sources

5. Right click on data blocks and add block fields.

There are some generic report parameters which needed to be added in any report screen. They are:

PM\_MINOR PM\_BRANCH\_CODE PM\_BRANCH\_DATE PM\_BRANCH\_DESC PM\_CURRENT\_USER PM\_LCY PM\_LANGUAGE PM\_MODULE *Note: While adding columns to the data source CSTB\_UI\_COLUMNS, take these generic parameters also into consideration* 

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Fig 4.5: Adding Data Block Fields

The 'Report Parameter' checkbox has to be checked in case of report parameters. Also, 'Visible' has to be unchecked in all generic parameters. Also, default values are to be given to some of these fields.

For example,

*PM\_BRANCH\_CODE specify the Default value as GLOBAL.CURRENT\_BRANCH. PM\_BRANCH\_DATE specify the Default value as GLOBAL.APPLICATION\_DATE. PM\_CURRENT\_USER specify the Default value as GLOBAL.USER\_ID.* 

Development Workbench would automatically add the Report Options for all Report screens

These report options are

- Report Format
- Report Output (Print, Spool, View)
- Print At (Client/Server)

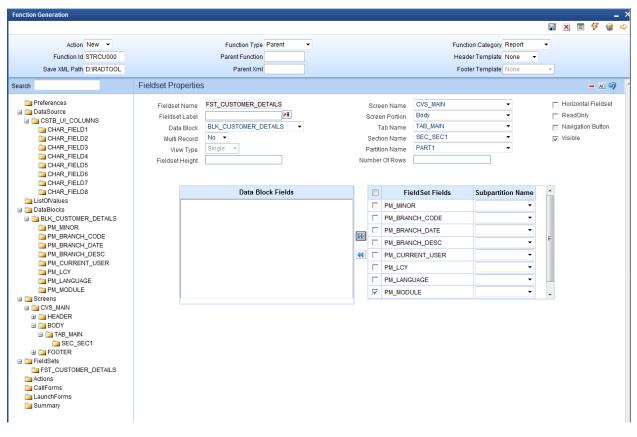
#### ➢ Printer ID

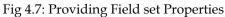
6. To add new field set, right click on field set.

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CHAR_FIELD3							
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Fig 4.6: Adding field sets

7. Give field set properties:





To preview the screen, right click on the screen name and select 'Preview'.

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Fig 4.8: Preview of Report Form

8. Save and generate the files:

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Fig 4.9: Generation of Files

9. Deploy the files

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Fig 4.10: Deployed Files

Deploying the Report Screen:

The deployment can be done by clicking on the 'Deploy' button.

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Fig 4.11: Deployment of Screens

A sample report screen:

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	User Id FCUBS3	Date & Time 13-MAR-2	012 03:09:24	Module ST	
	Customer Details				
	Customer	00000001			
	Customer Name	Mayank	Short Name	Mayank	
	Date of Birth	10-MAR-12	Country	GB	
	Customer Type Gender	M	Nationality Language	AU ENG	
	Gender	IW	Language	ENG	
	Location	GB			
	Address Line1	BARCGB99	Address Line2	4 ROYAL MINT COURT ,	
	Address Line3	LONDON EC3 NHJ	Address Line4	ENGLAND	
	Customer	009000001		01117150	
	Customer Name Date of Birth	CHARLES 24-MAR-12	Short Name Country	CHARLES AU	
	Customer Type	24-WAR-12	Nationality	AU	
	Gender	M	Language	ENG	
	Location	AU			
	Address Line1	AU ANZBAU99	Address Line2	570 CHURCH STREET,	
	Address Line3	MELBOURNE 3121	Address Line2	AUSTRALIA	
	Address Enres		Address Enter	1001101201	
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	Address Line3	FRANKFURT AM MAIN	Address Line4	GERMANY	
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# 5. RTF and XDO Files

The rtf file contains the specification for the layout of the report screen.

The xdo file contains the queries which will pick up the relevant values from the back end. The columns to be loaded also should be added in this file.

Both RTF and xdo files needs to be deployed in the BIP server for launching Reports from FLEXCUBE

## 6. Coding in Hook Package

- Code for deriving the bind values in xdo query has to be written in Hook package and the same has to be called on loading the xdo .Usually the function **Afterpform** is written in Hook package for this purpose.
- Any functions used in the xdo query is usually written in the Hook package .



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