

# **Oracle FLEXCUBE Universal Banking ® 12.0.2**

## **Development of Report Forms**

August 2013



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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	<i>04-Development_WorkBench_Screen_Development-I.docx</i>
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.pdf](#)

[05-Development\\_WorkBench\\_Screen\\_Development-II.pdf](#)

## 2. Introduction

This document provides information on:

- [Chapter 1 , "Introduction"](#)
- [Chapter 1 , "Overview of FLEXCUBE Reports"](#)
- [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

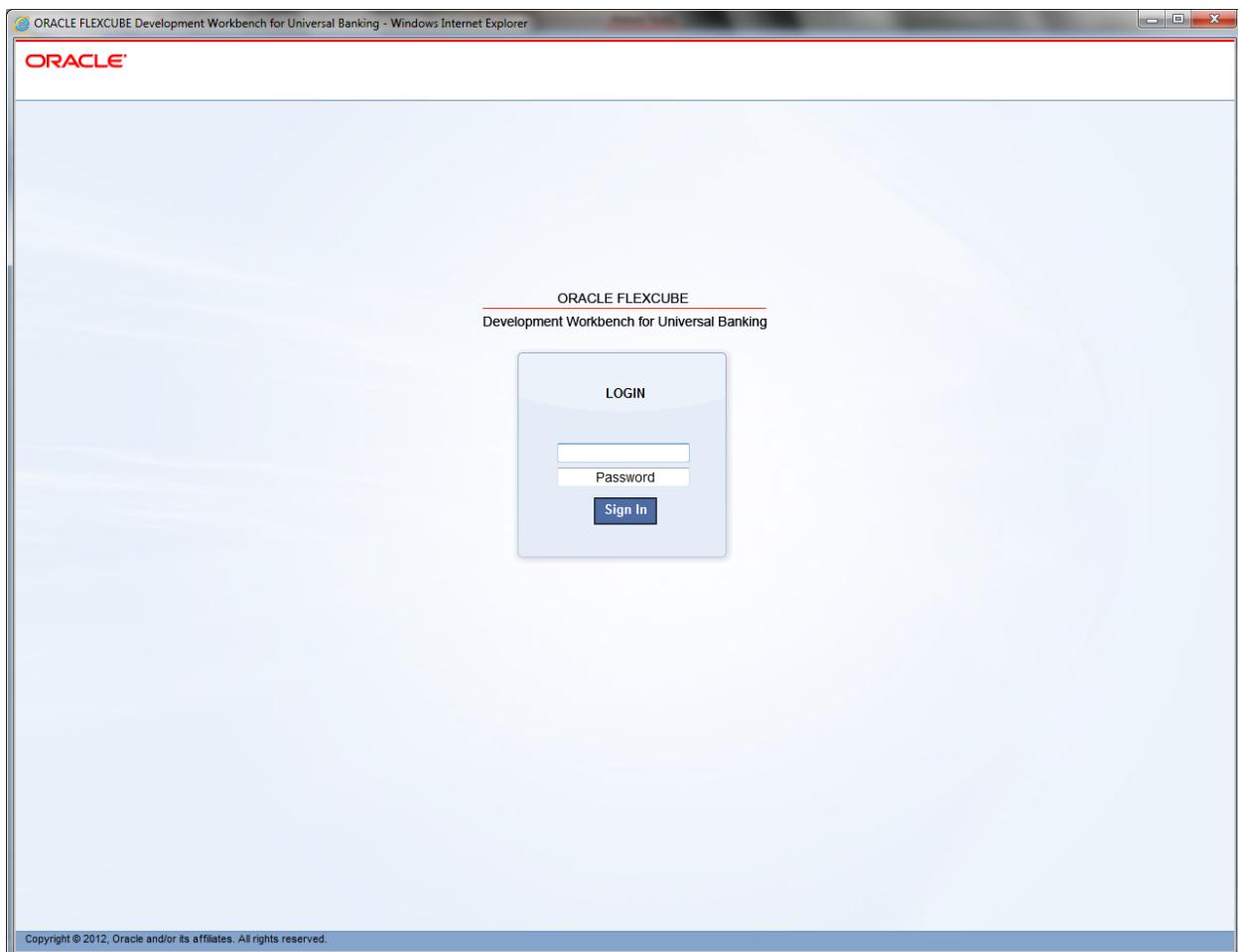


Fig 4.1 Login Page

2. From browser, select 'Function Generation'

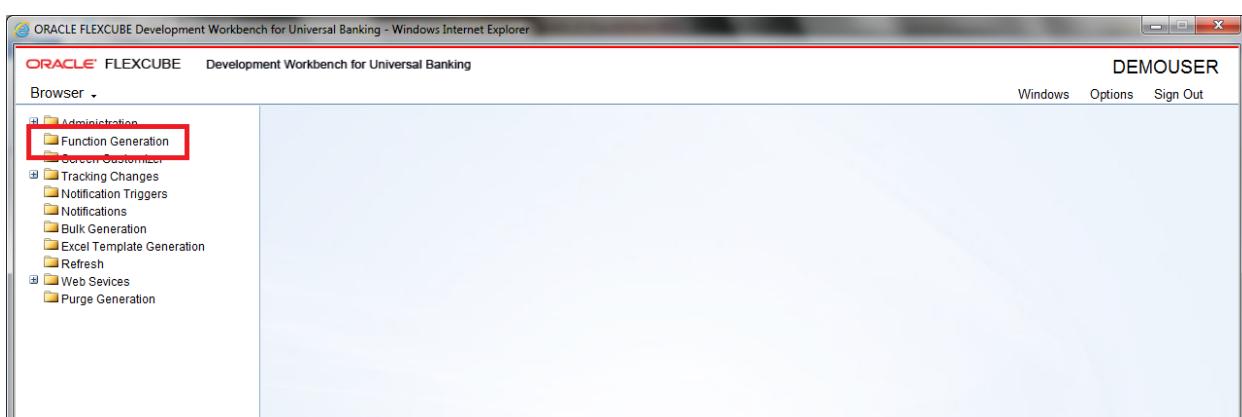


Fig 4.2: Function Generation Screen

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'.

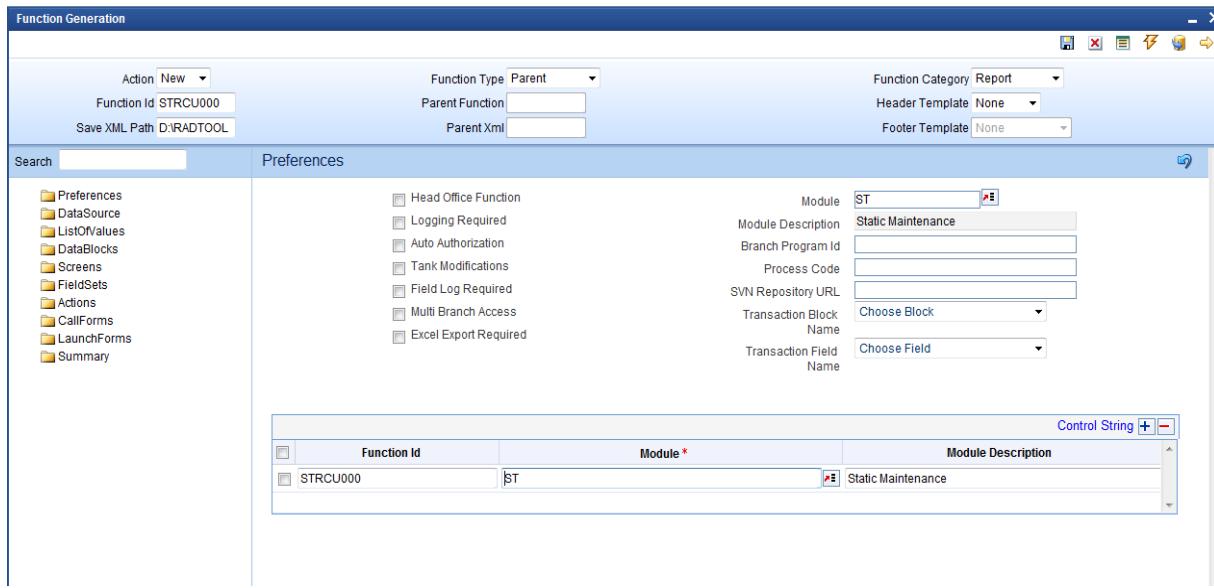


Fig 4.3: Report Screen design

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.

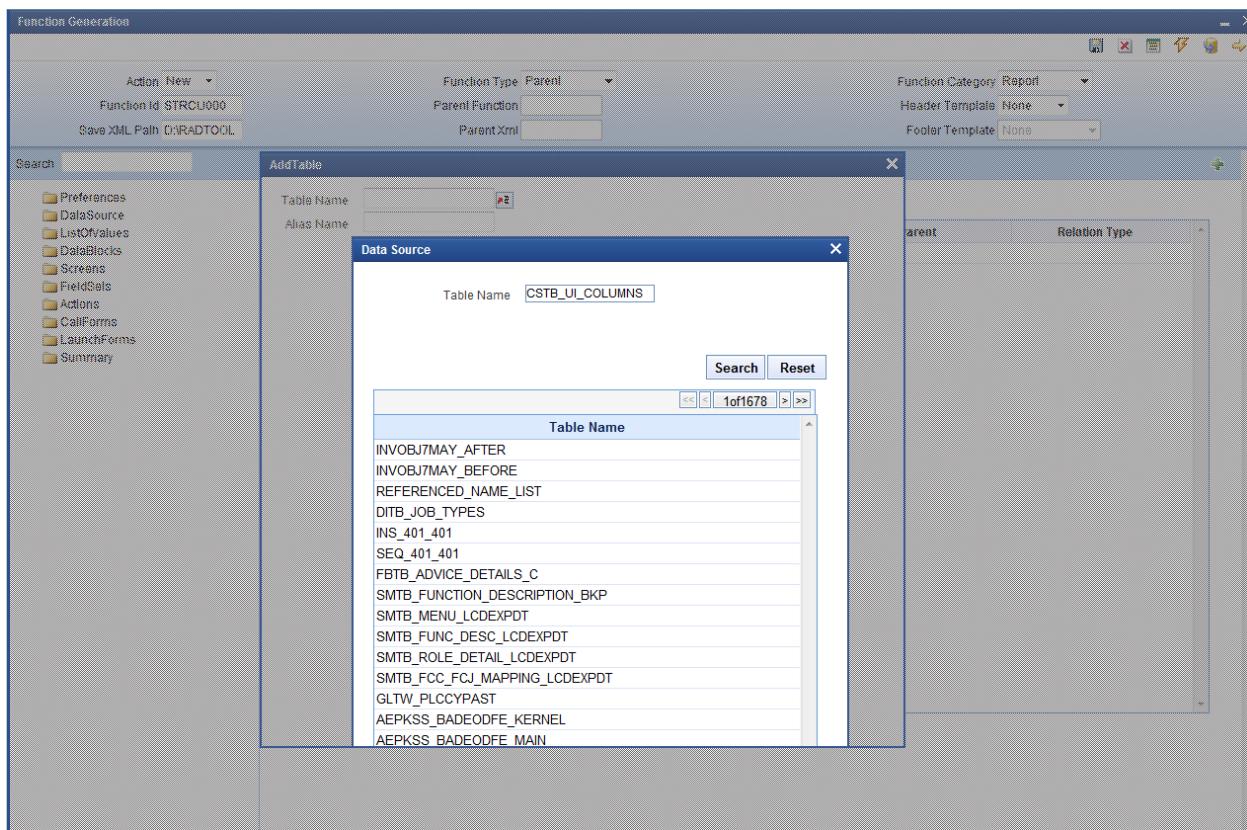


Fig 4.4: Adding Data Sources

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*

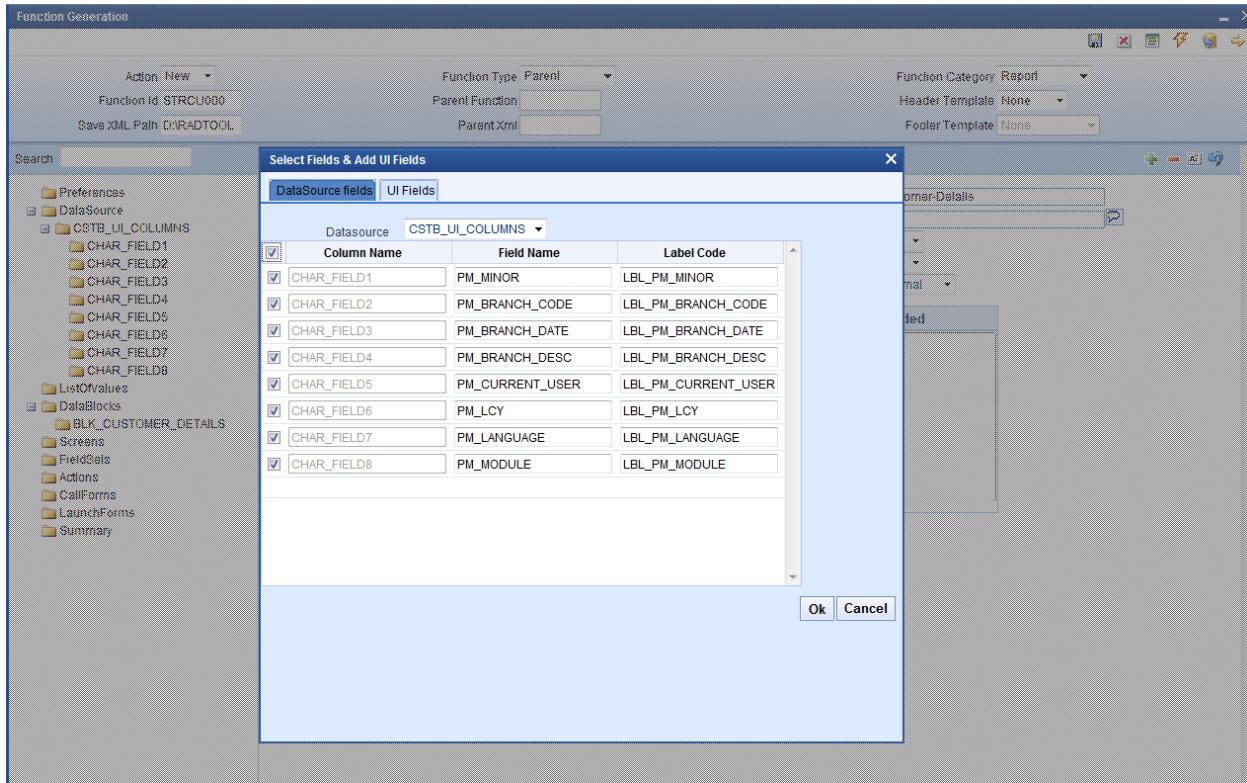


Fig 4.5: Adding Data Block Fields

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.

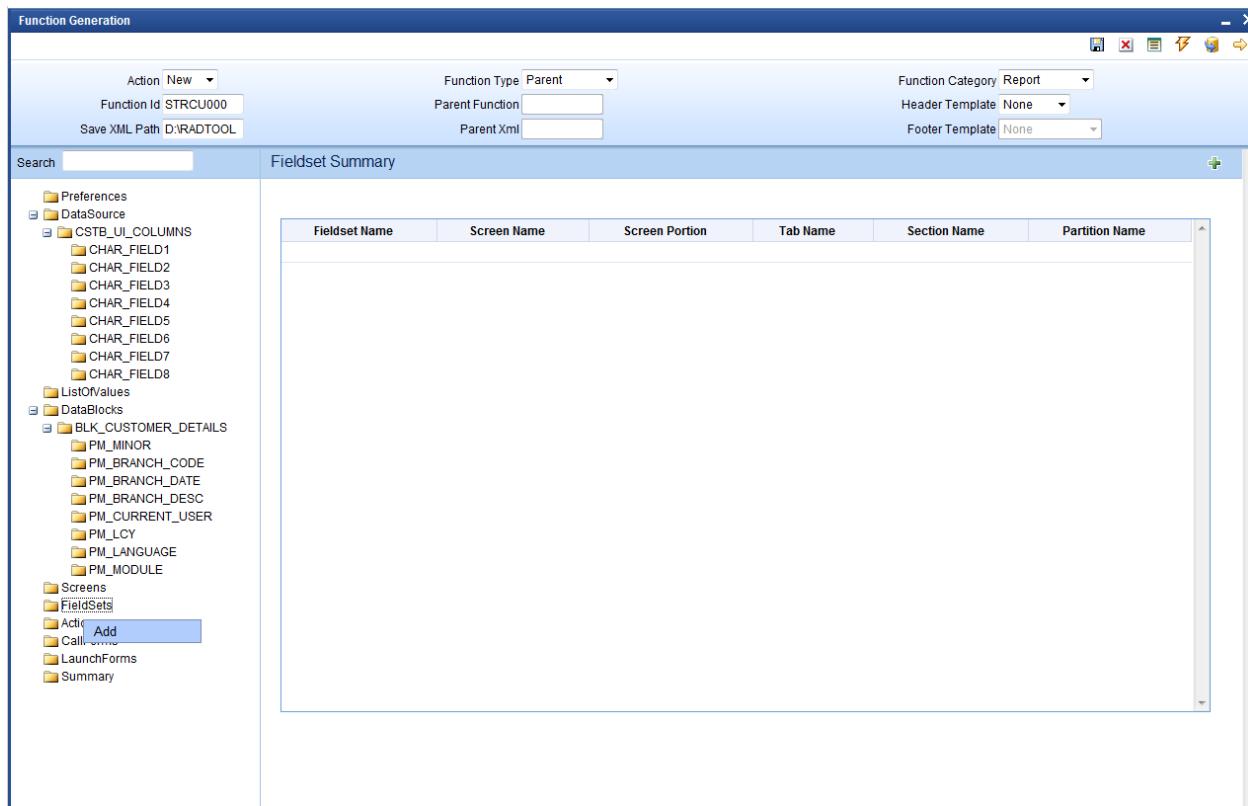


Fig 4.6: Adding field sets

7. Give field set properties:

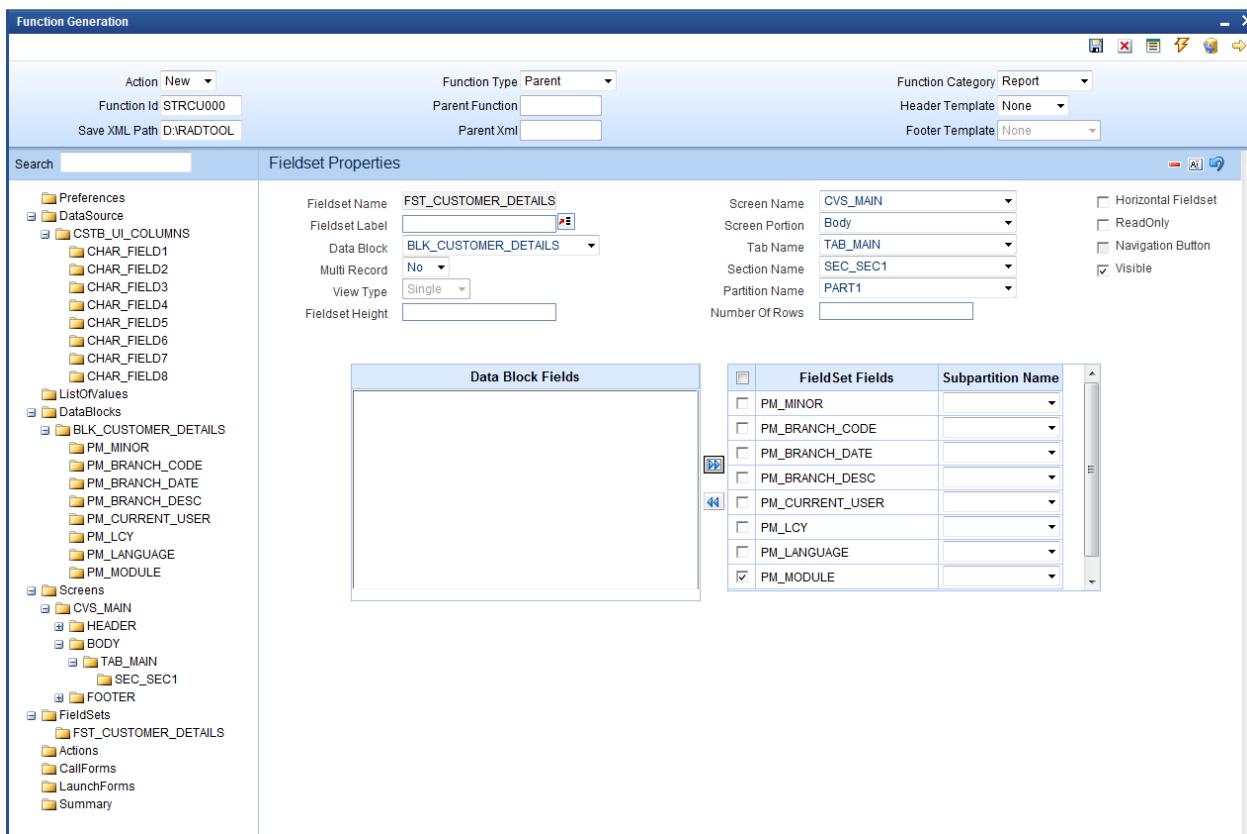


Fig 4.7: Providing Field set Properties

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

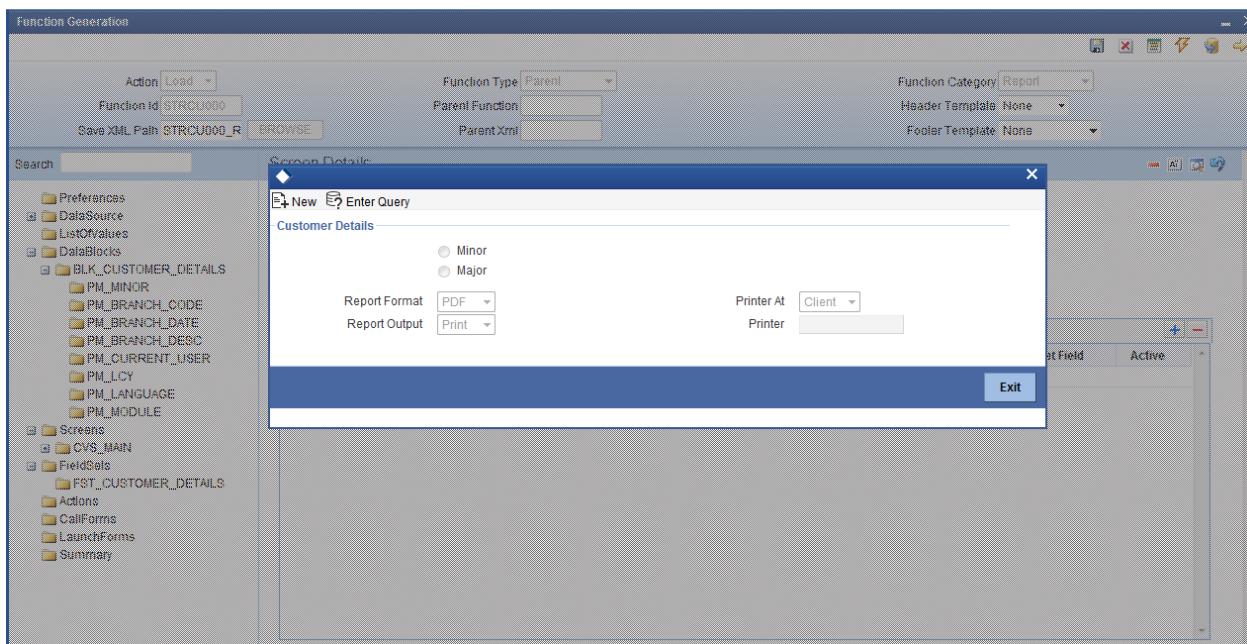


Fig 4.8: Preview of Report Form

8. Save and generate the files:

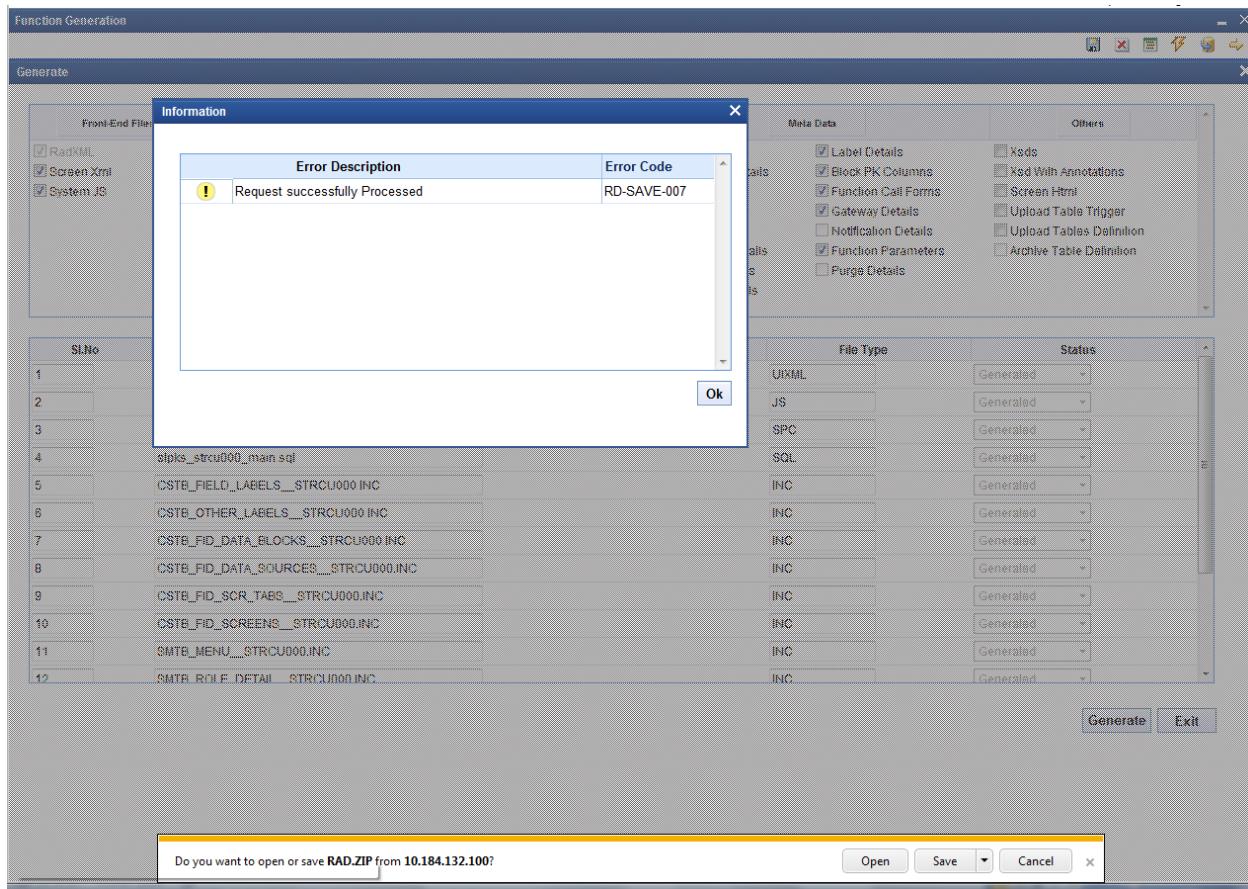


Fig 4.9: Generation of Files

9. Deploy the files

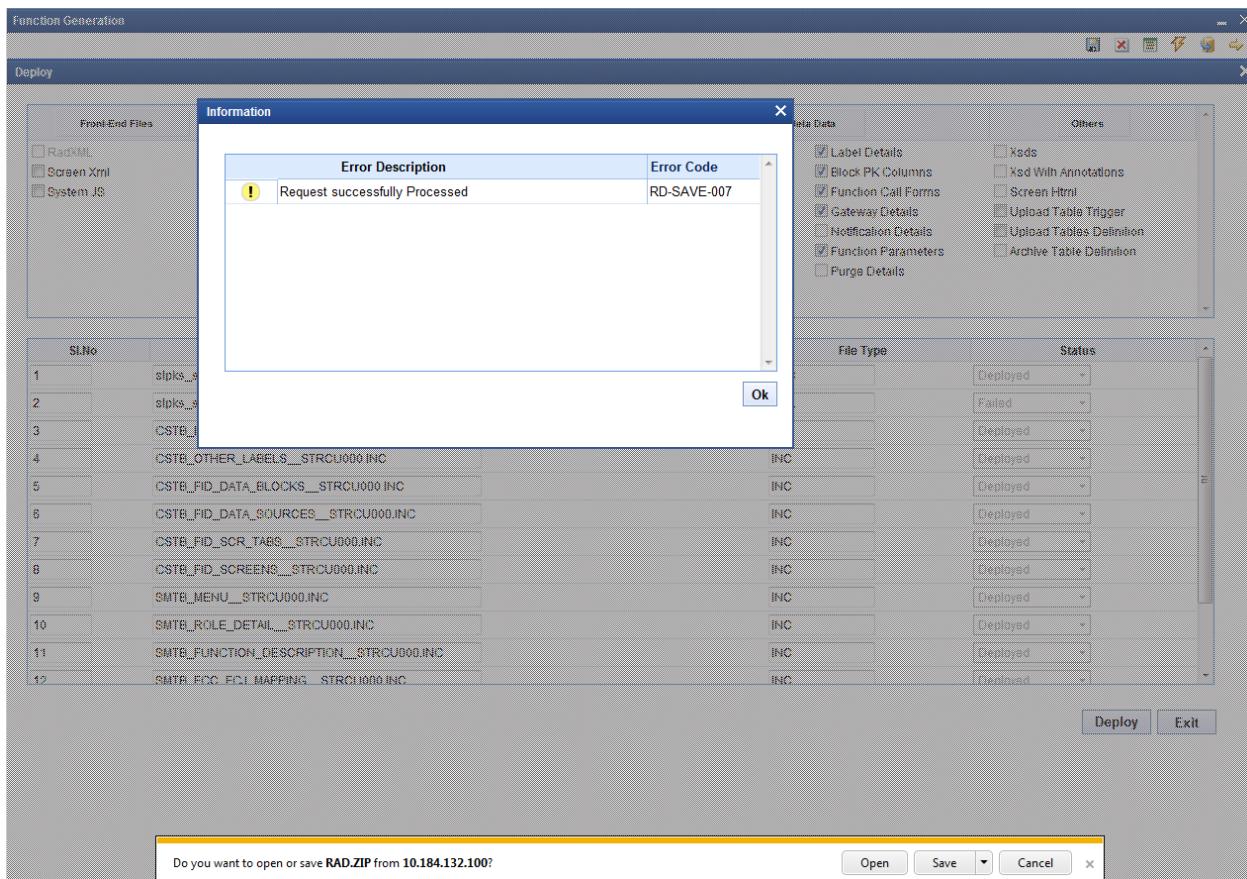


Fig 4.10: Deployed Files

### Deploying the Report Screen:

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

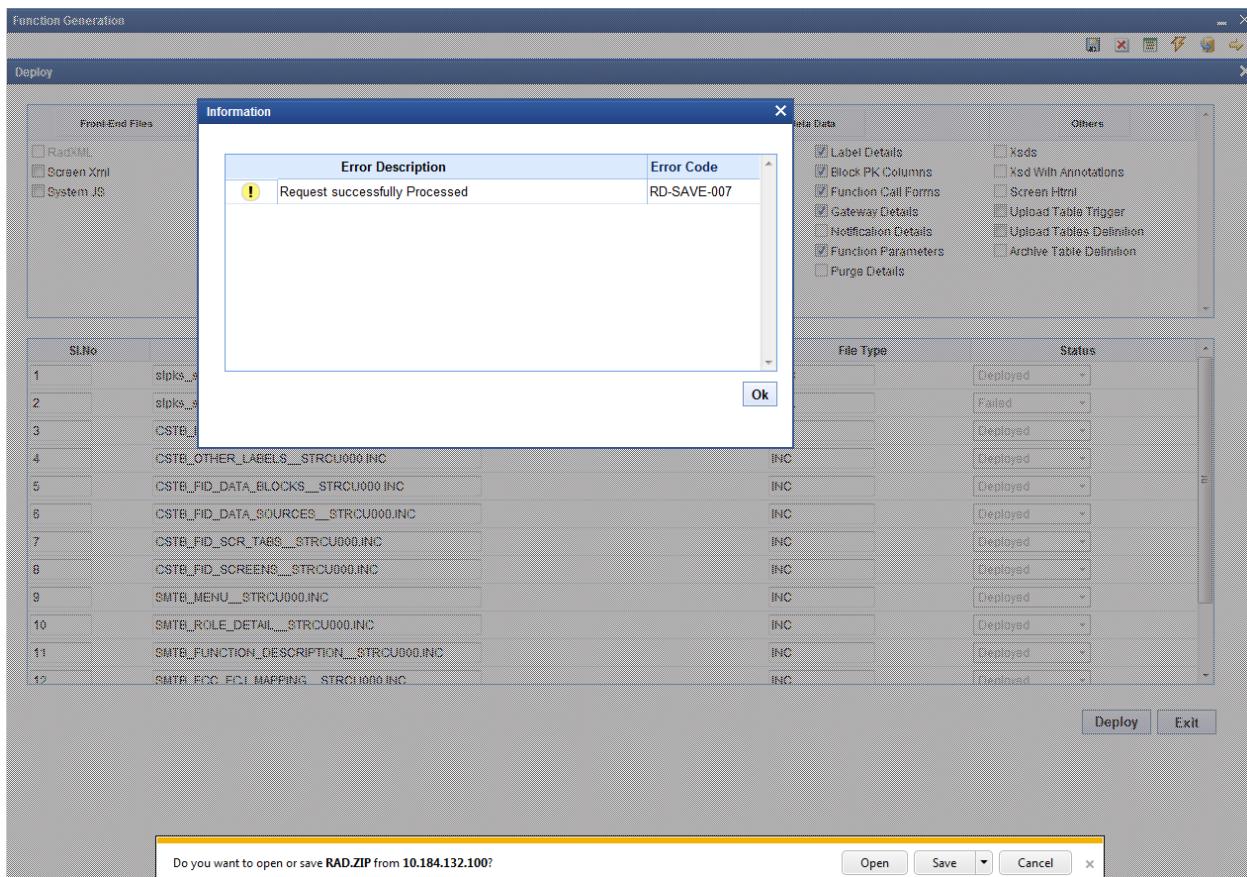


Fig 4.11: Deployment of Screens

### A sample report screen:

Customer Details

Branch	000	Branch Date	2012-03-01	Page	1
User Id	FCUBS3	Date & Time	13-MAR-2012 03:09:24	Module	ST

**Customer Details**

Customer	00000001	Short Name	Mayank
Customer Name	Mayank	Country	GB
Date of Birth	10-MAR-12	Nationality	AU
Customer Type	I	Language	ENG
Gender	M		

Location	GB	Address Line2	4 ROYAL MINT COURT,
Address Line1	BARGB99	Address Line4	ENGLAND
Address Line3	LONDON EC3 NHJ		

Customer	00900001	Short Name	CHARLES
Customer Name	CHARLES	Country	AU
Date of Birth	24-MAR-12	Nationality	AU
Customer Type	I	Language	ENG
Gender	M		

Location	AU	Address Line2	570 CHURCH STREET,
Address Line1	ANZBAU99	Address Line4	AUSTRALIA
Address Line3	MELBOURNE 3121		

Location	GB	Address Line2	PLATZ DER EINHEIT 1,
Address Line1	CAMHDE99	Address Line4	GERMANY
Address Line3	FRANKFURT AM MAIN		

-END OF REPORT-

## 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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Oracle Corporation  
World Headquarters  
500 Oracle Parkway  
Redwood Shores, CA 94065  
U.S.A.

Worldwide Inquiries:

Phone: +1.650.506.7000

Fax: +1.650.506.7200

[www.oracle.com/financial\\_services/](http://www.oracle.com/financial_services/)

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