

Development of Report Forms
Oracle FLEXCUBE Universal Banking

Release 14.4.0.0.0

Part No. F20443-01

[May] [2020]



Contents

1.	Preface	3
1.1.	Audience	3
1.2.	Related Documents	4
2.	Introduction.....	4
3.	Overview of FLEXCUBE Reports	4
4.	Designing Report Form.....	4
5.	RTF and XDO Files	14
6.	Coding in Hook Package	14

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:

<i>Proficiency</i>	<i>Resources</i>
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](#)

[05-Development WorkBench Screen Development-II.docx](#)

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

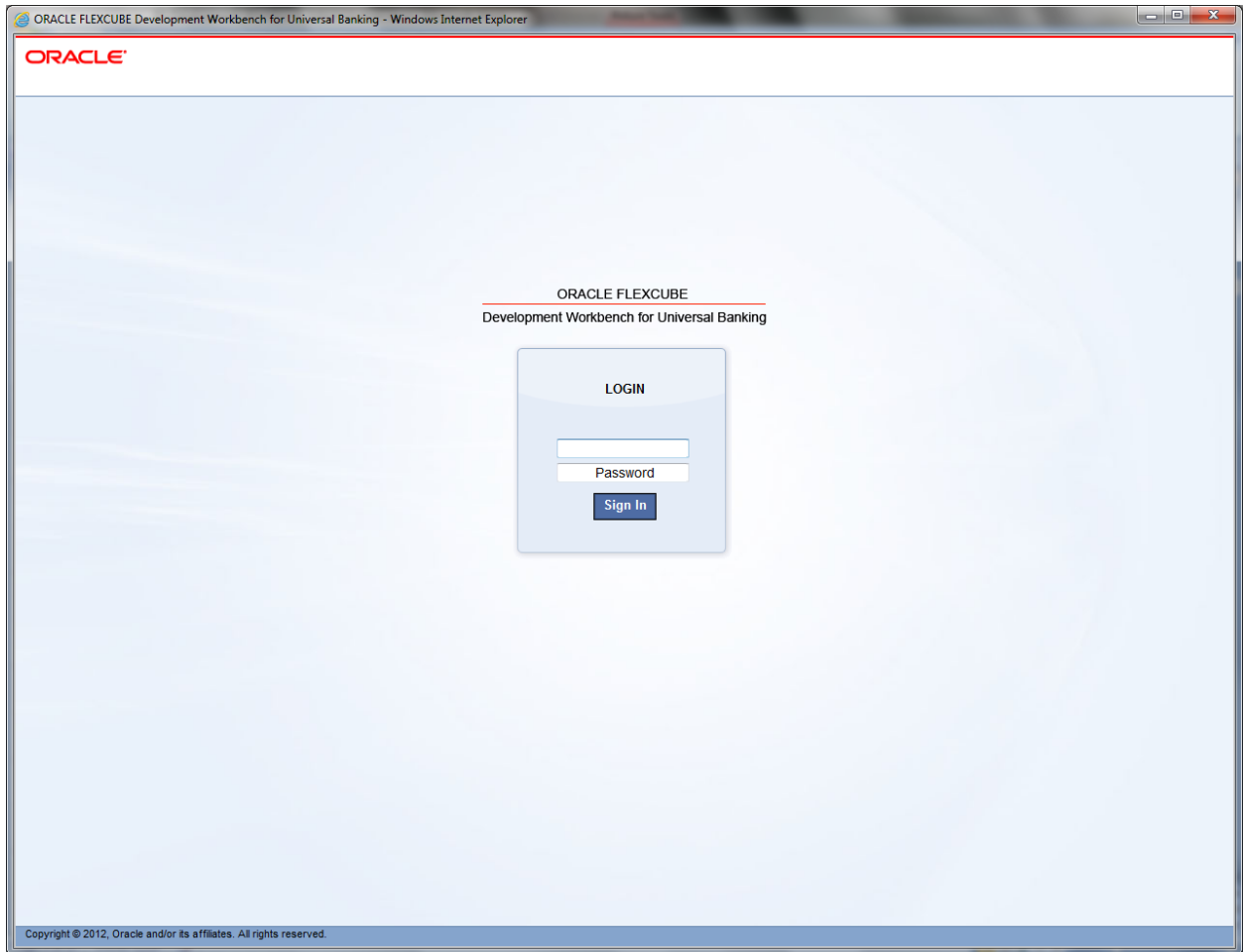


Fig 4.1 Login Page

2. From browser, select 'Function Generation'

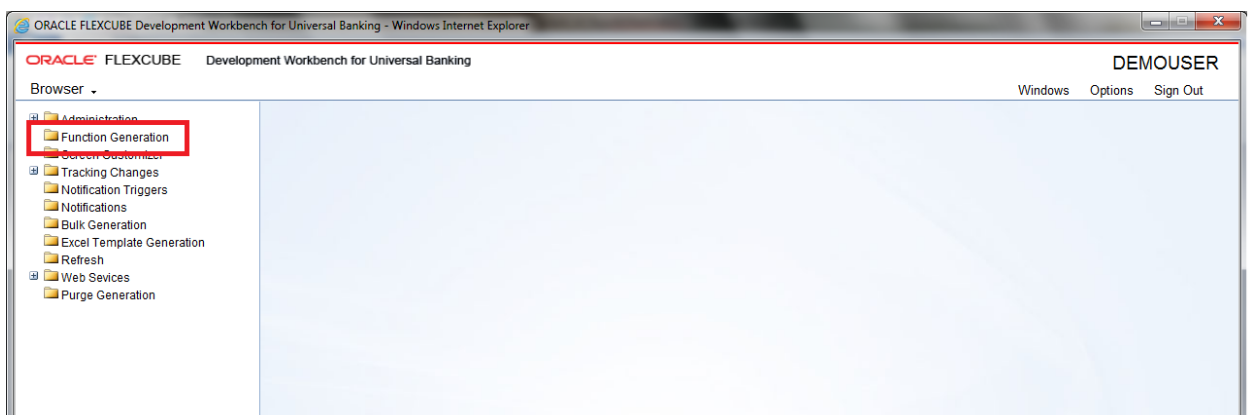


Fig 4.2: Function Generation Screen

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'.

The screenshot shows the 'Function Generation' window with the following configuration:

- Action:** New
- Function Id:** STRCU000
- Save XML Path:** D:\RADTOOL
- Function Type:** Parent
- Parent Function:** (empty)
- Parent Xml:** (empty)
- Function Category:** Report
- Header Template:** None
- Footer Template:** None

The **Preferences** section includes:

- ☐ Head Office Function
- ☐ Logging Required
- ☐ Auto Authorization
- ☐ Tank Modifications
- ☐ Field Log Required
- ☐ Multi Branch Access
- ☐ Excel Export Required

The **Module** section includes:

- Module:** ST
- Module Description:** Static Maintenance
- Branch Program Id:** (empty)
- Process Code:** (empty)
- SVN Repository URL:** (empty)
- Transaction Block Name:** Choose Block
- Transaction Field Name:** Choose Field

The **Table** section shows the following data:

Function Id	Module *	Module Description
STRCU000	ST	Static Maintenance

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.

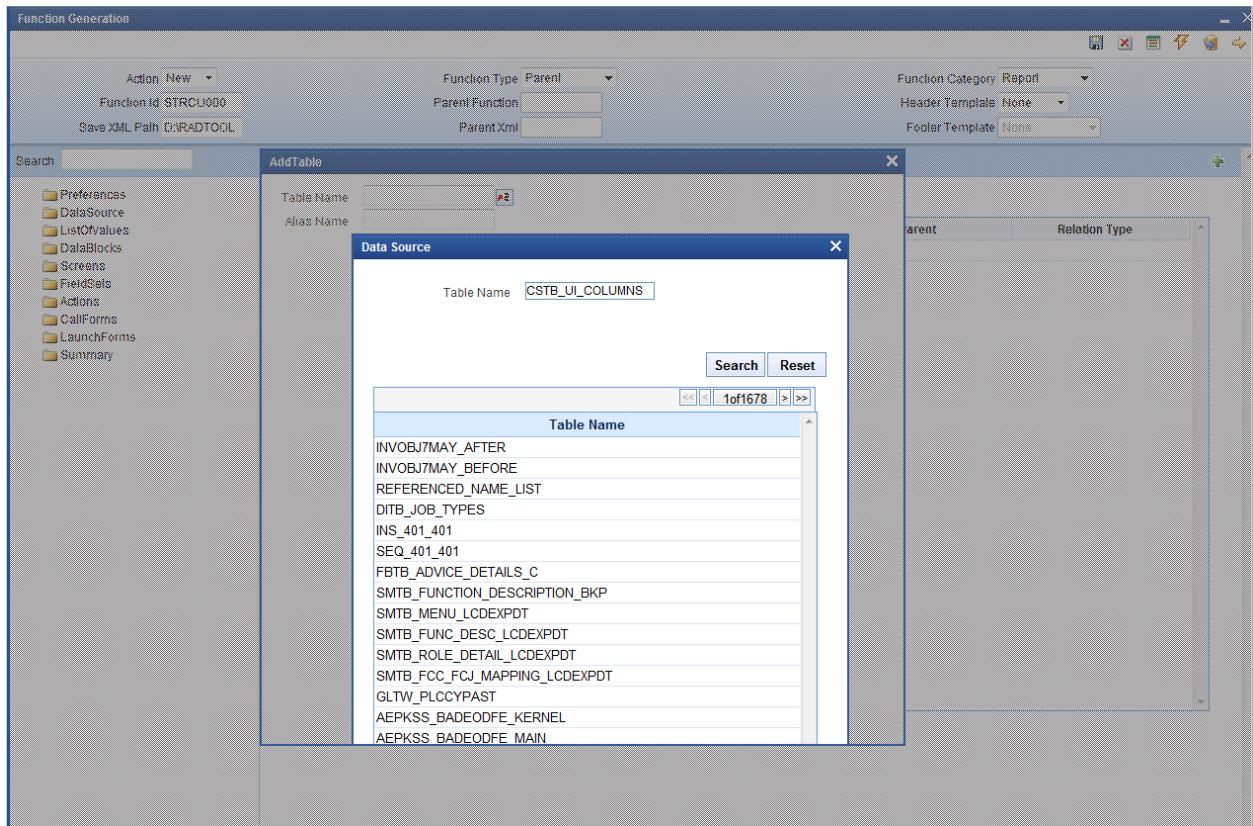


Fig 4.4: Adding Data Sources

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

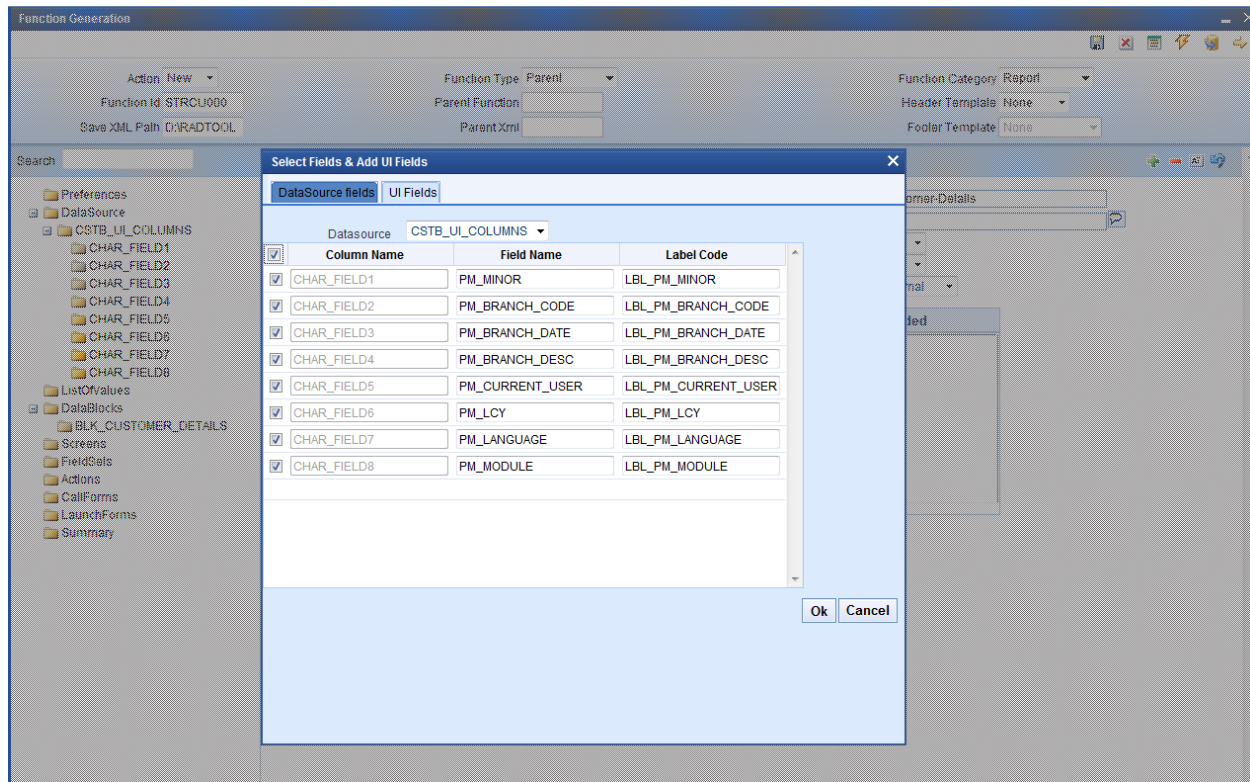


Fig 4.5: Adding Data Block Fields

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.

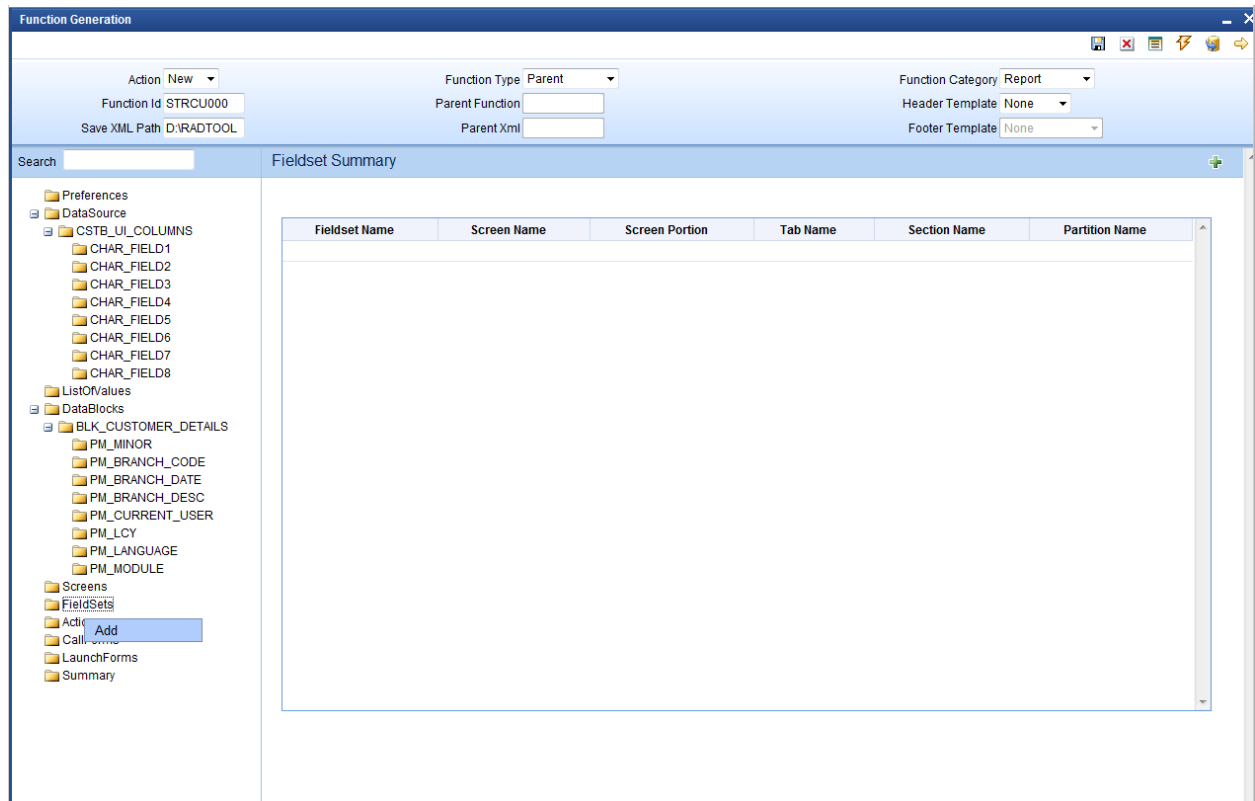


Fig 4.6: Adding field sets

7. Give field set properties:

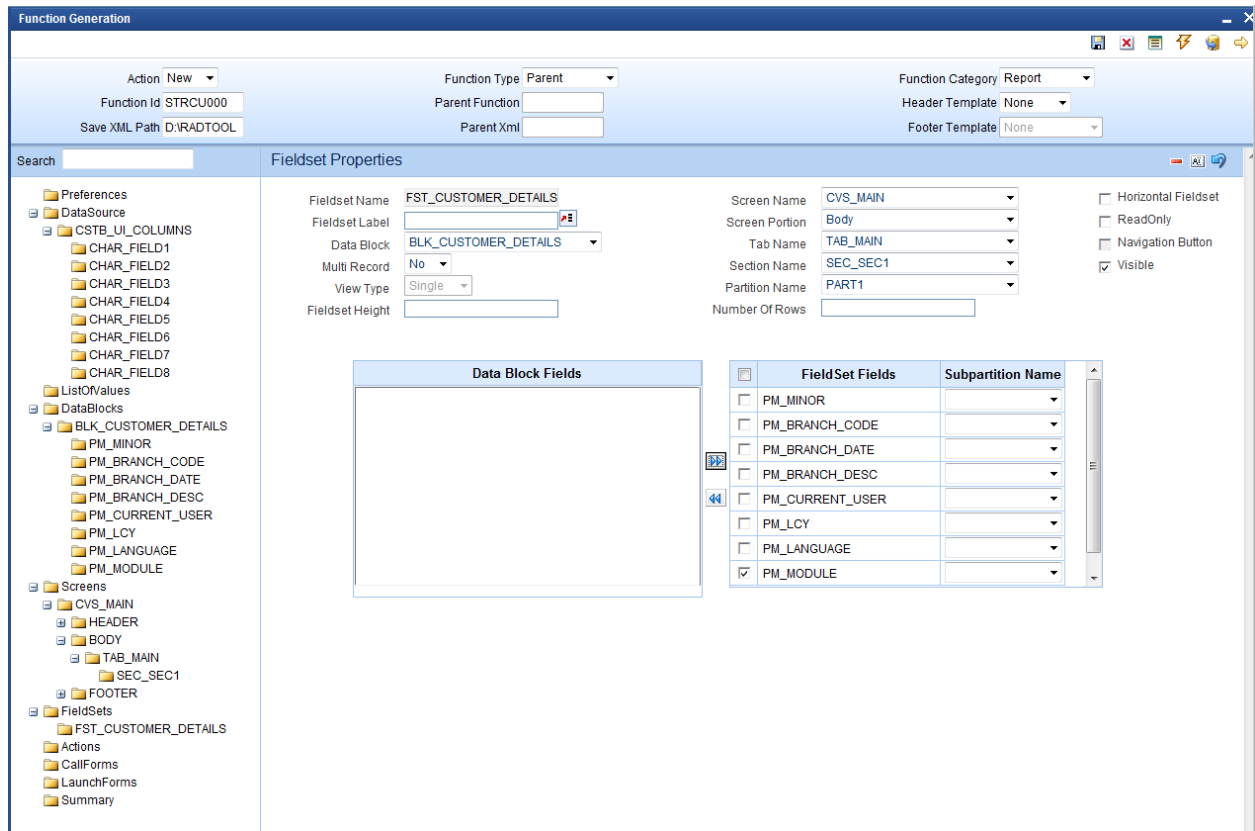


Fig 4.7: Providing Field set Properties

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

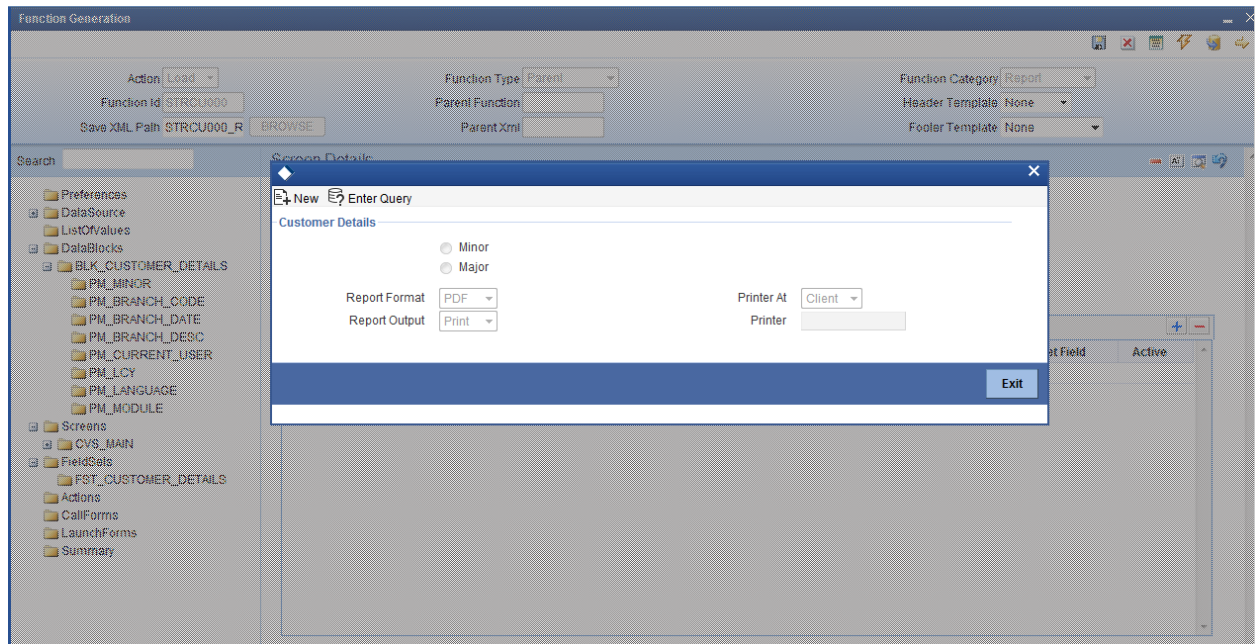


Fig 4.8: Preview of Report Form

8. Save and generate the files:

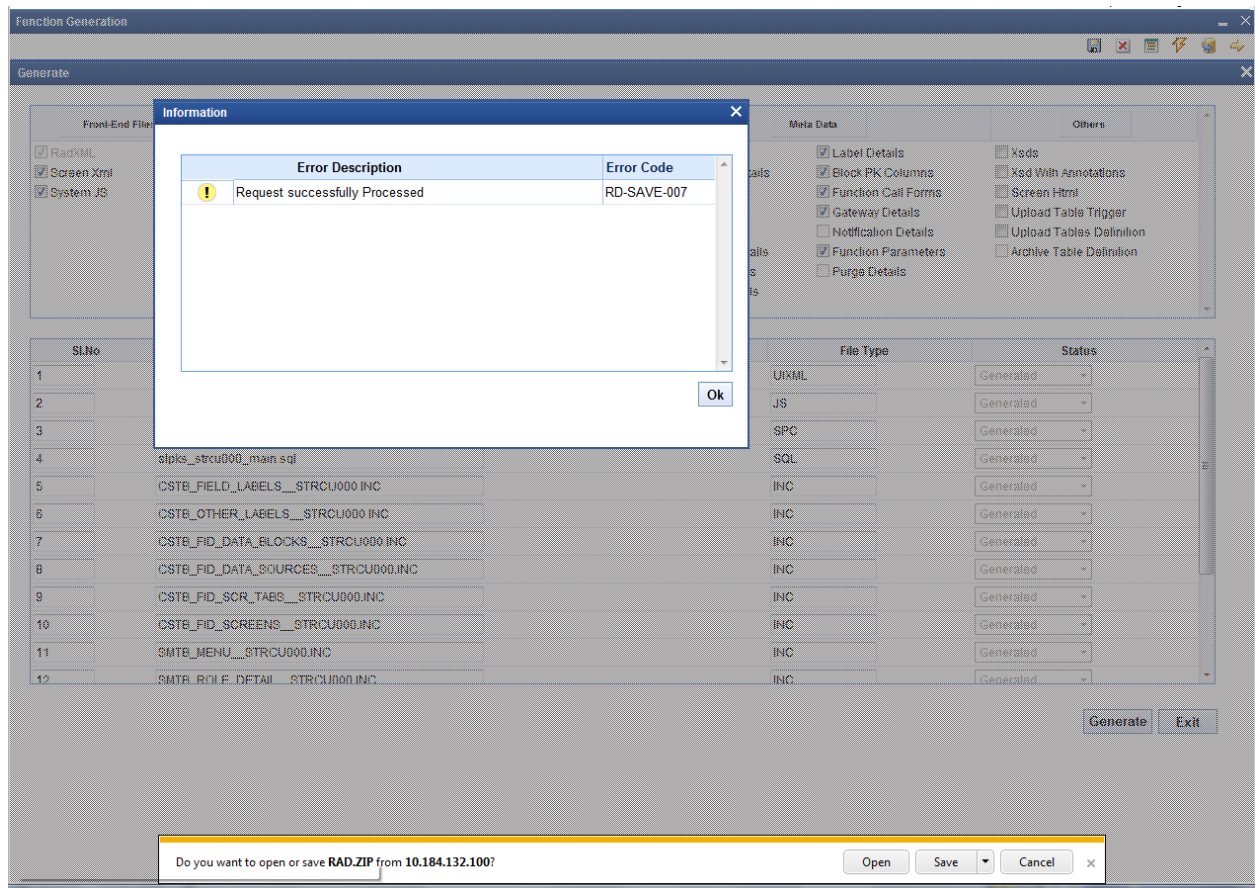


Fig 4.9: Generation of Files

9. Deploy the files

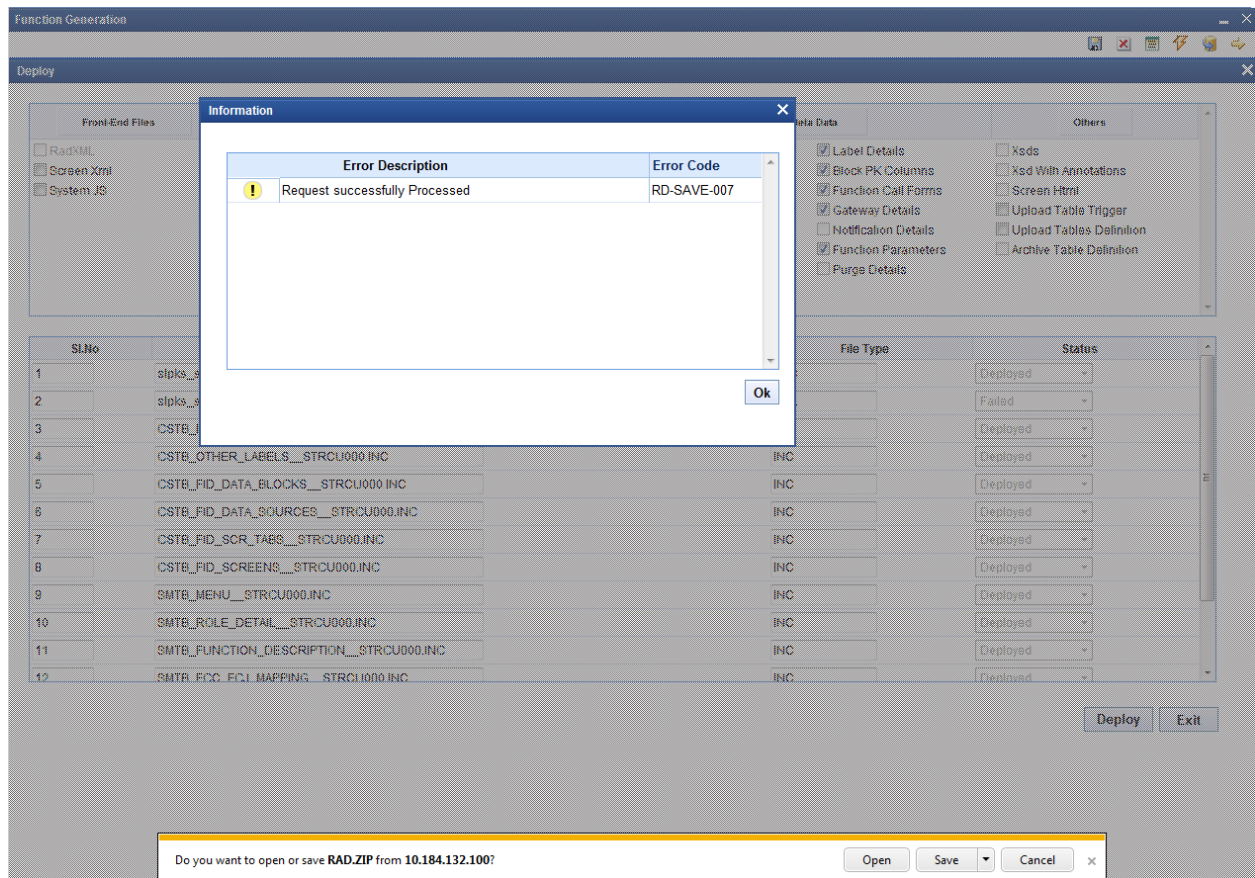


Fig 4.10: Deployed Files

Deploying the Report Screen:

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

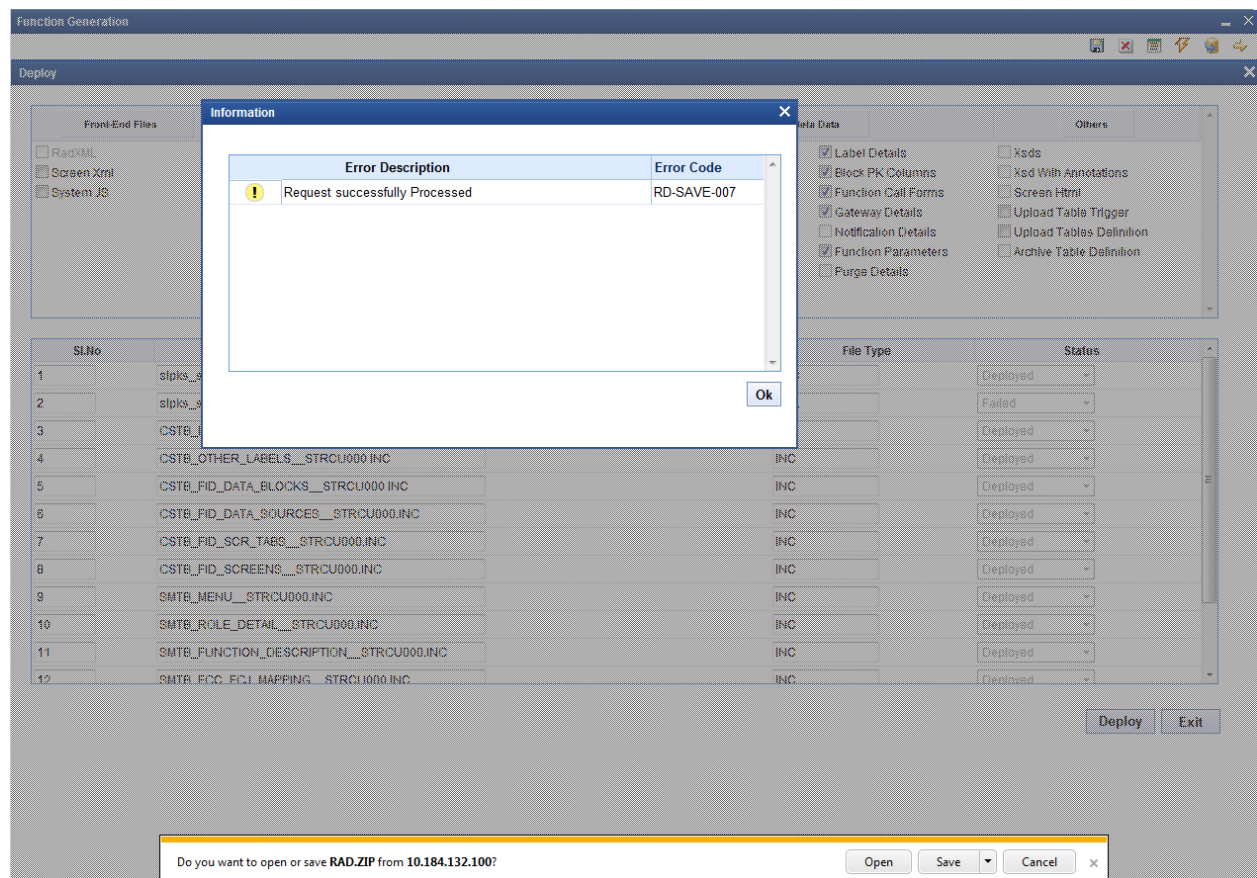
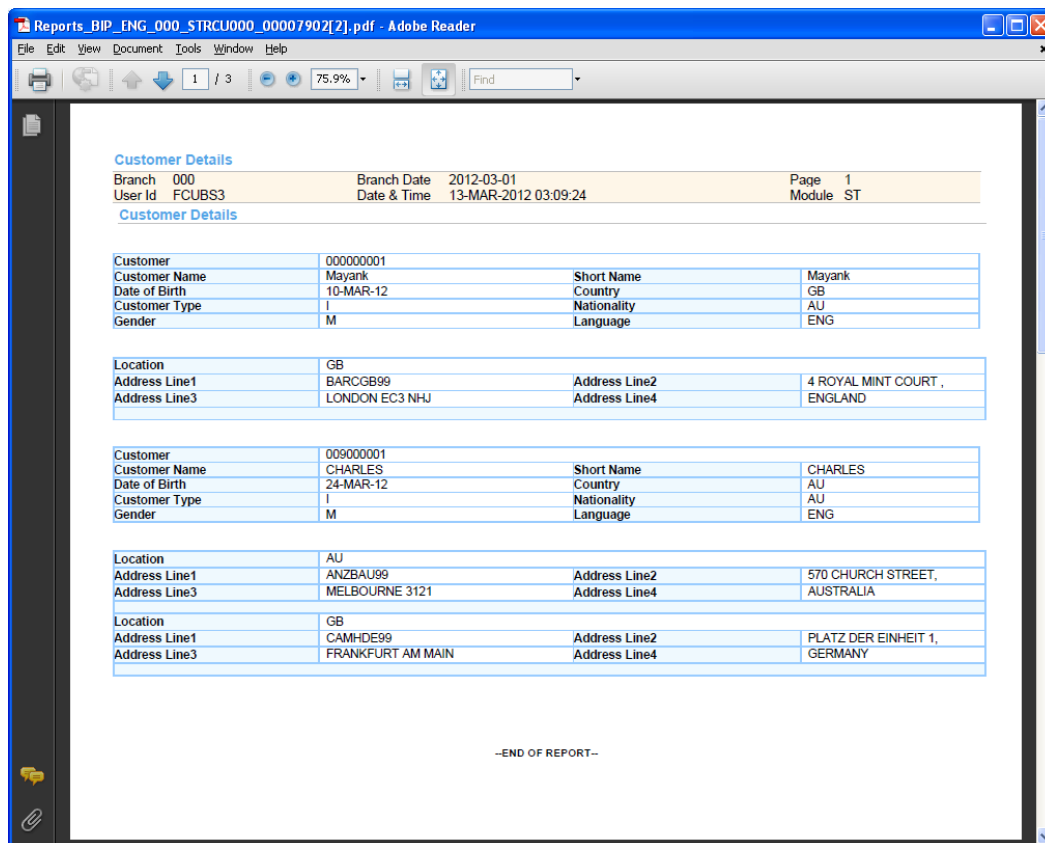


Fig 4.11: Deployment of Screens

A sample report screen:



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 need 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.



Development of Report Forms
[May] [2020]
Version 14.4.0.0.0

Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax: +91 22 6718 3001
www.oracle.com/financialservices/

Copyright © 2007, 2020, Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.