

Custom RAD Extensibility Transaction Screens

Oracle Banking Payments

Release 14.5.2.0.0

[September 2021]



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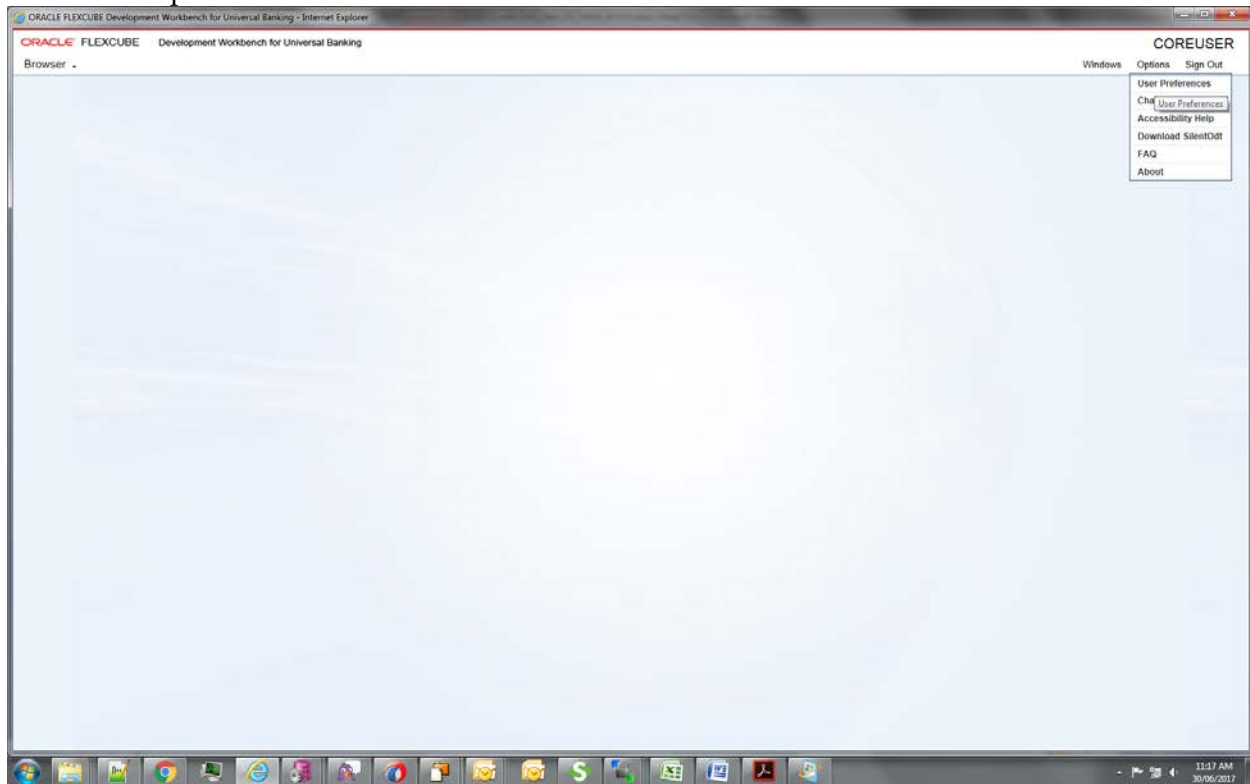
1 Preface

This document is a step by step guide to demonstrate how to make additions to existing Transaction screens/function Ids.

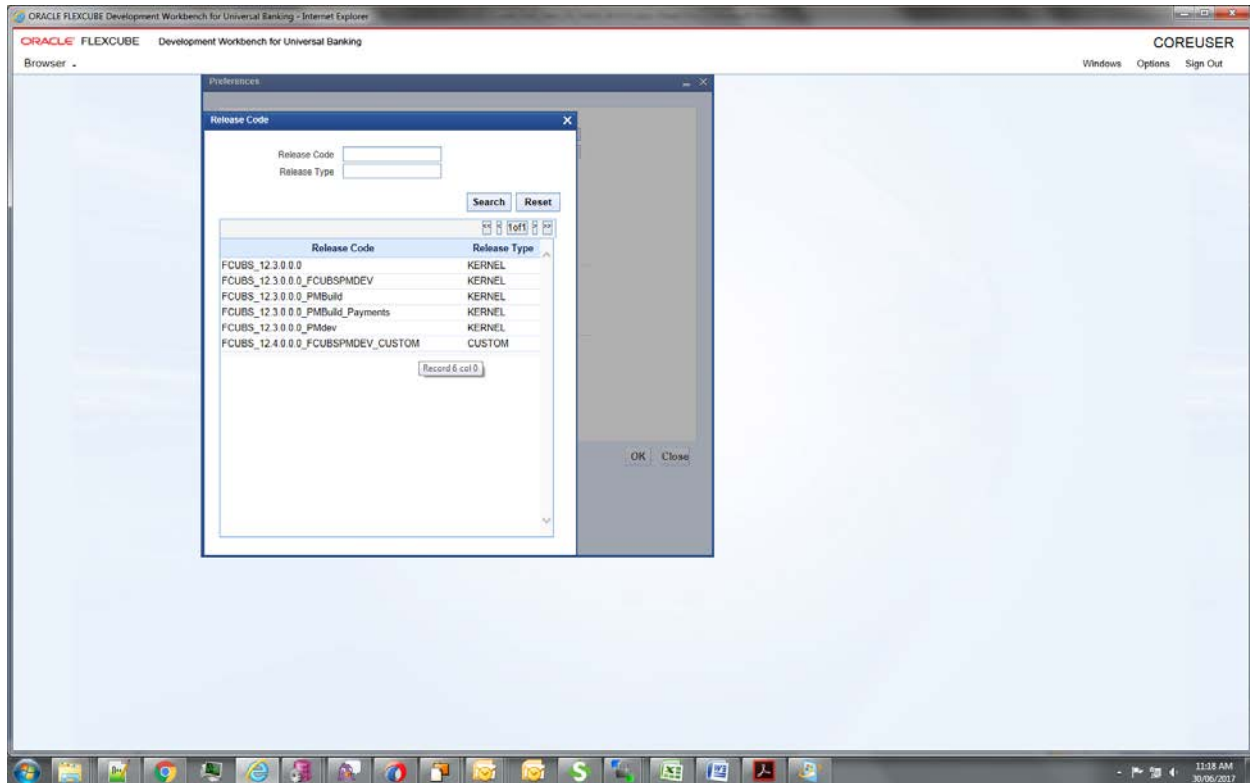
2 Approach

For demo purpose, we will be taking a transaction screen: PWDOTONL (Fedwire outgoing Transaction screen). We will create a demo table, add it to the RAD with 3 fields and then Save/query the record.

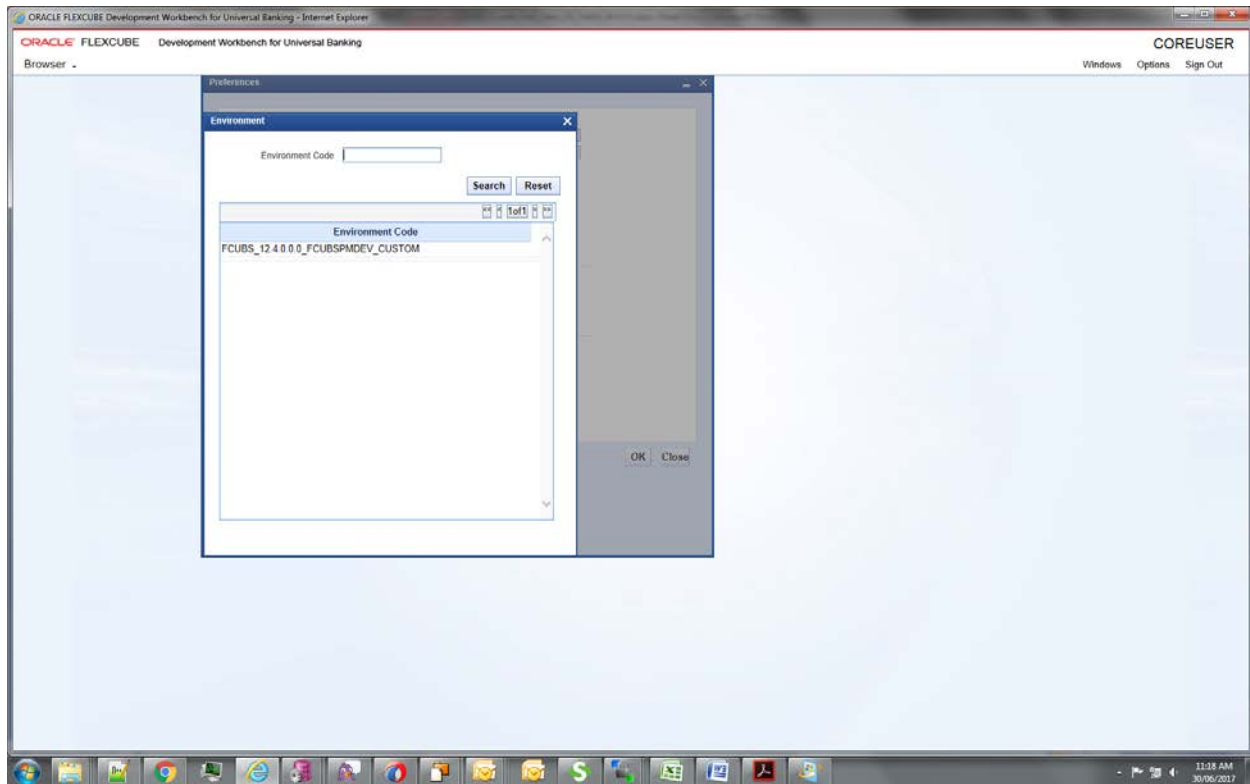
Select Options -> User Preferences



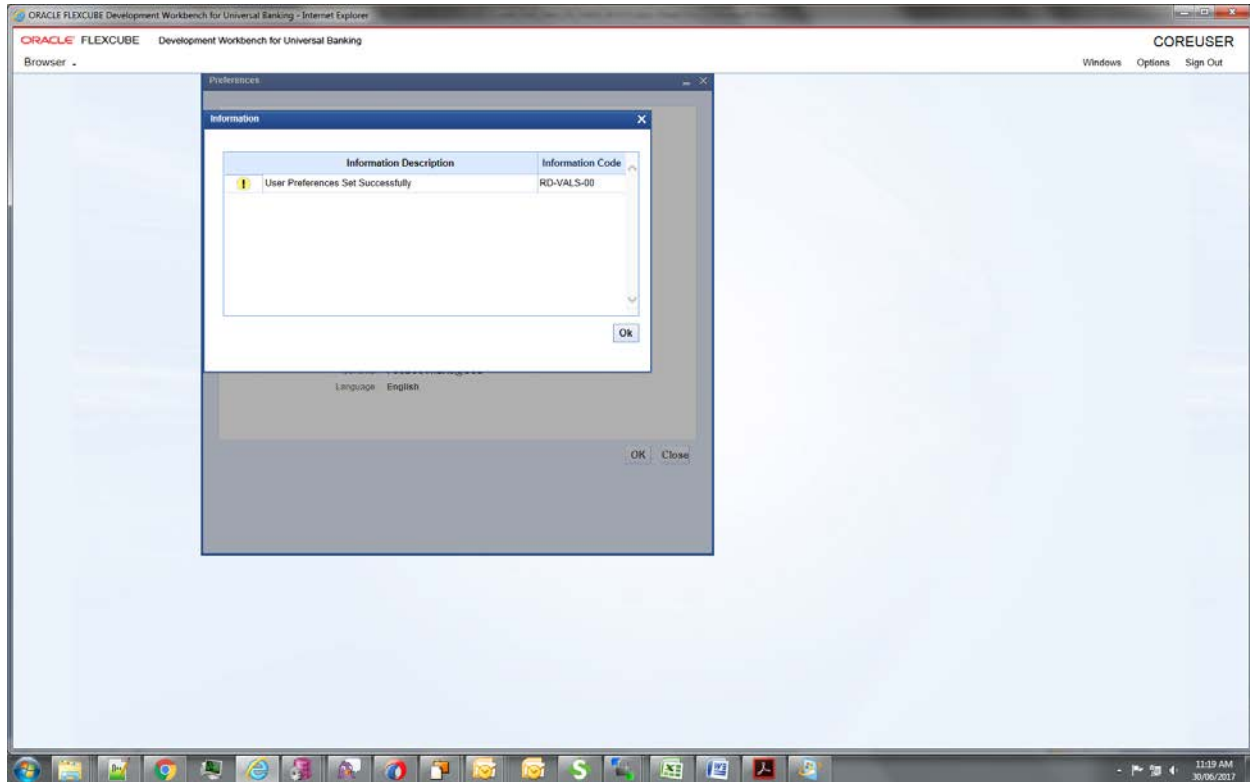
Select the Custom release



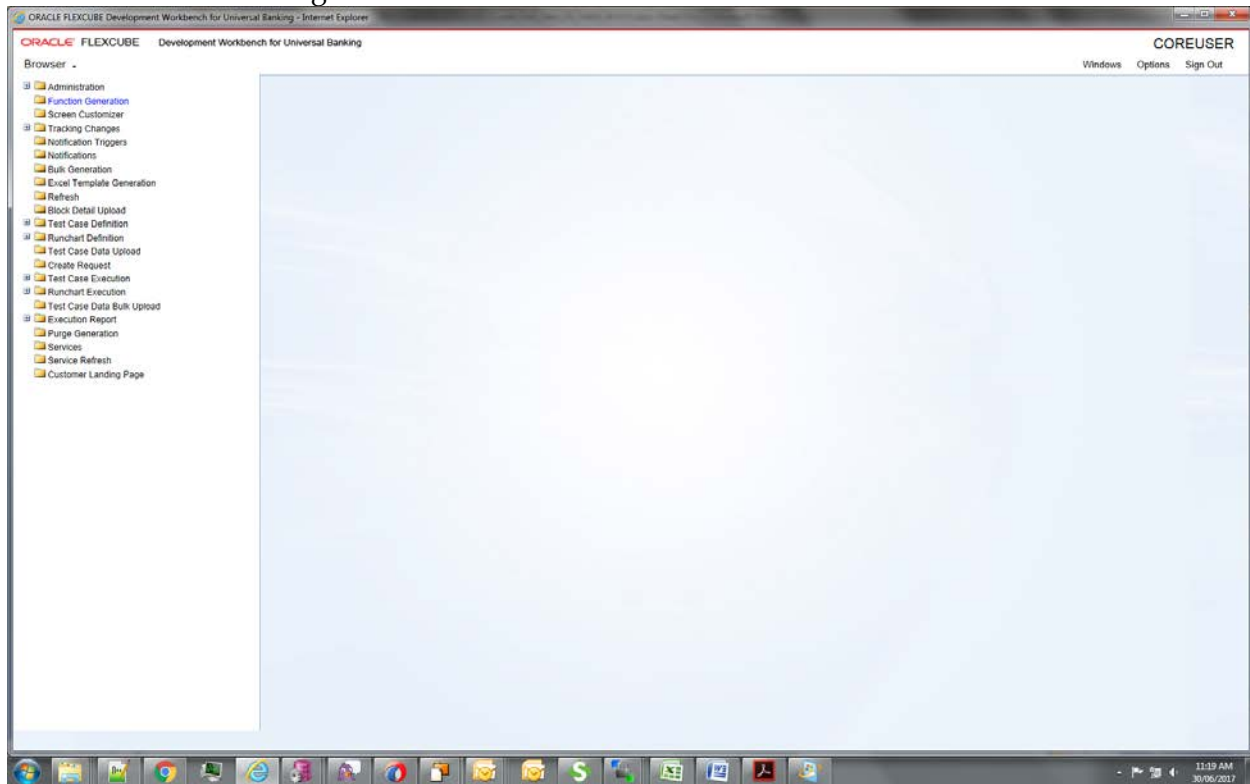
Select the environment



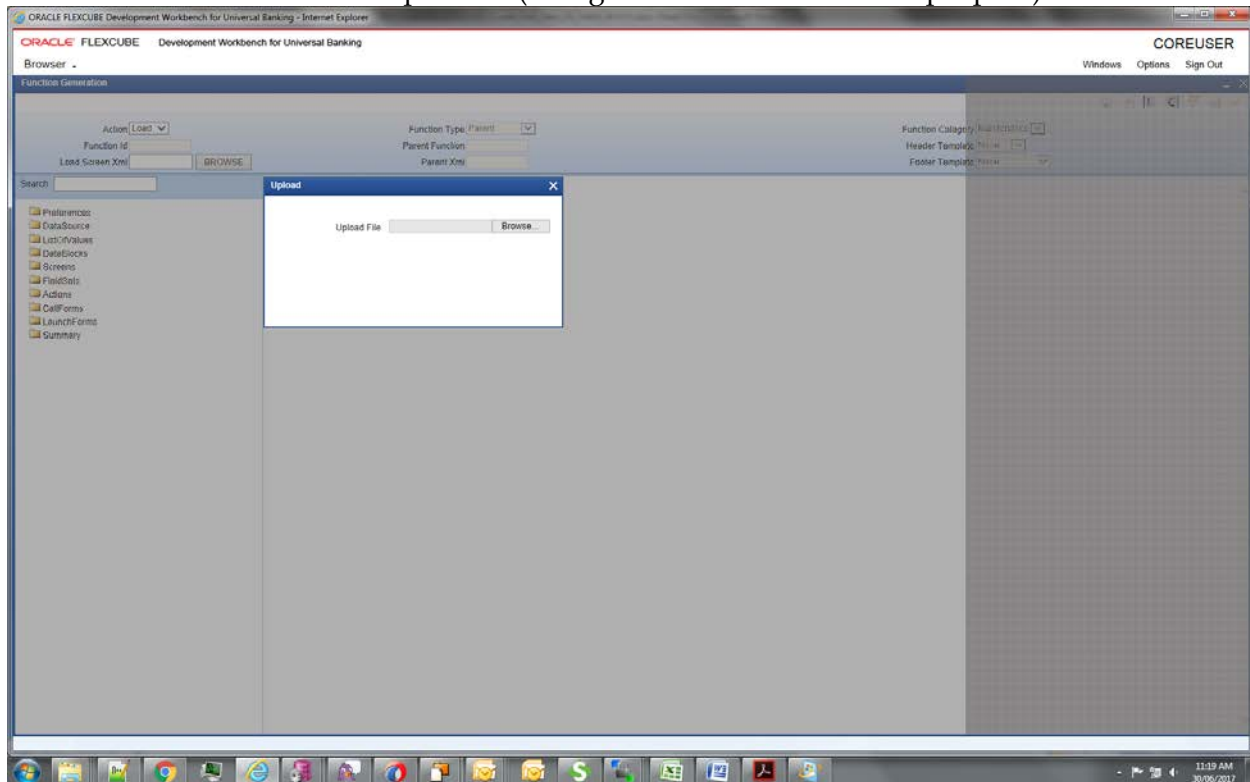
And then click ok



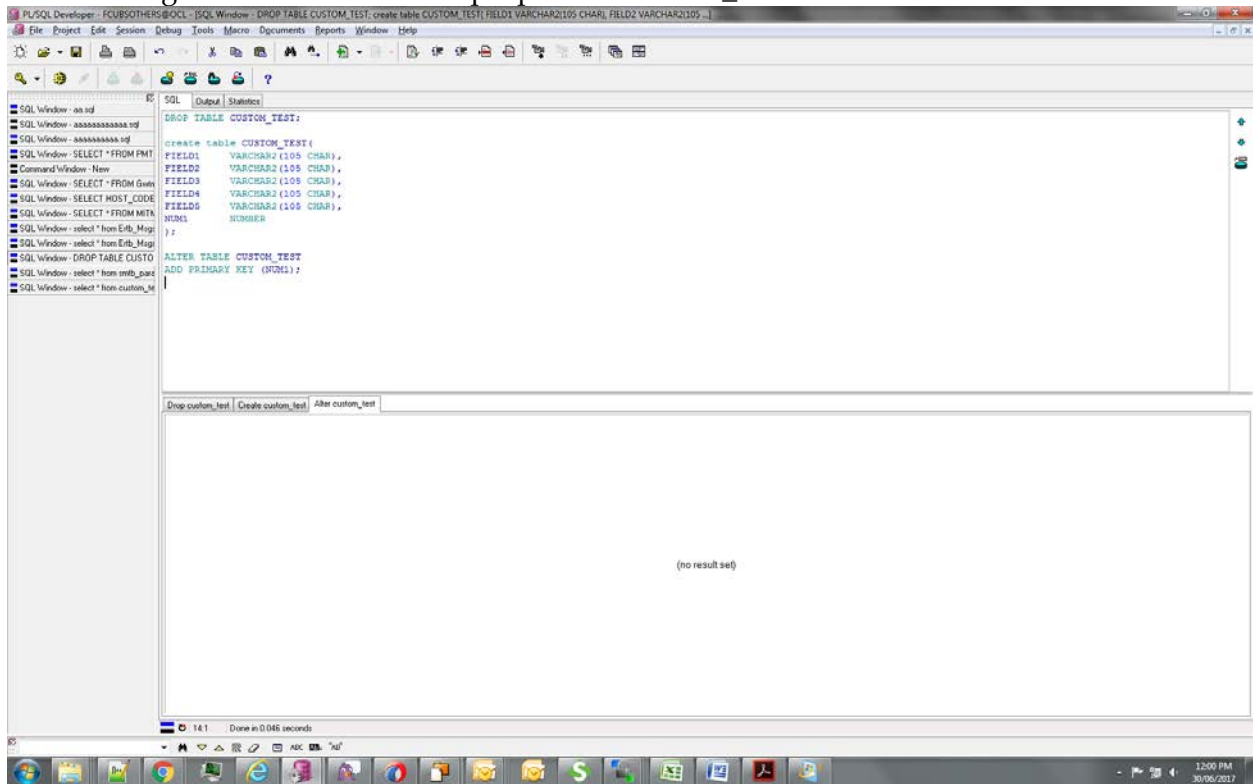
Select the function generation



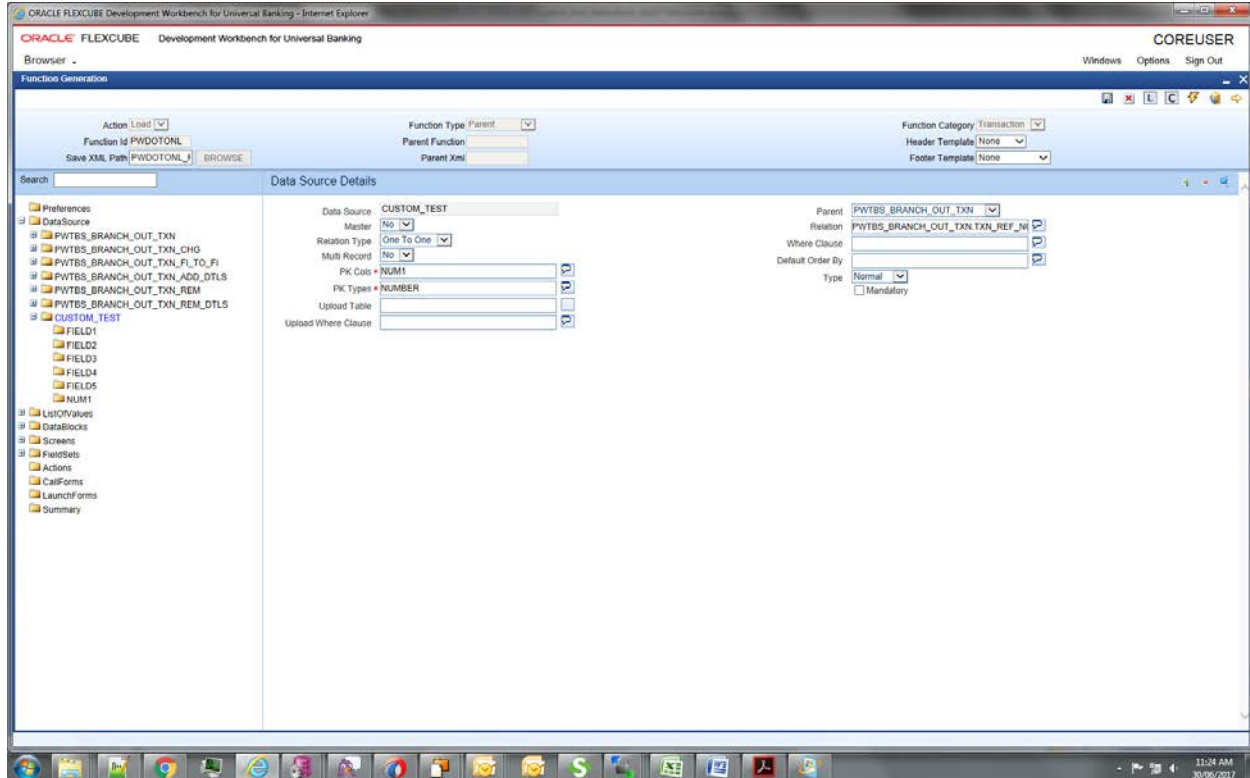
Select the RAD file to be uploaded (Using PWDOTONL for Demo purpose)



Creating a new table for Demo purpose- CUSTOM_TEST:



Added a new data source in the data source list and added fields for it. New table name CUSTOM_TEST

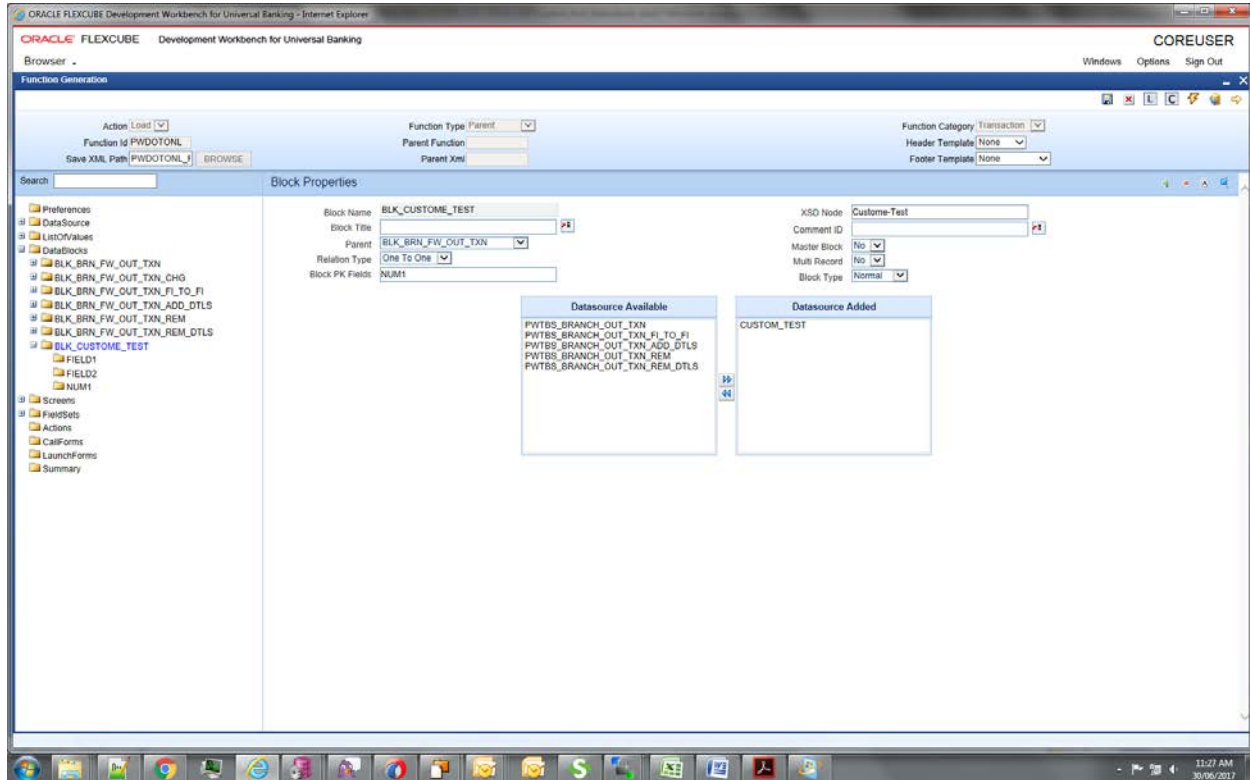


Points to note:

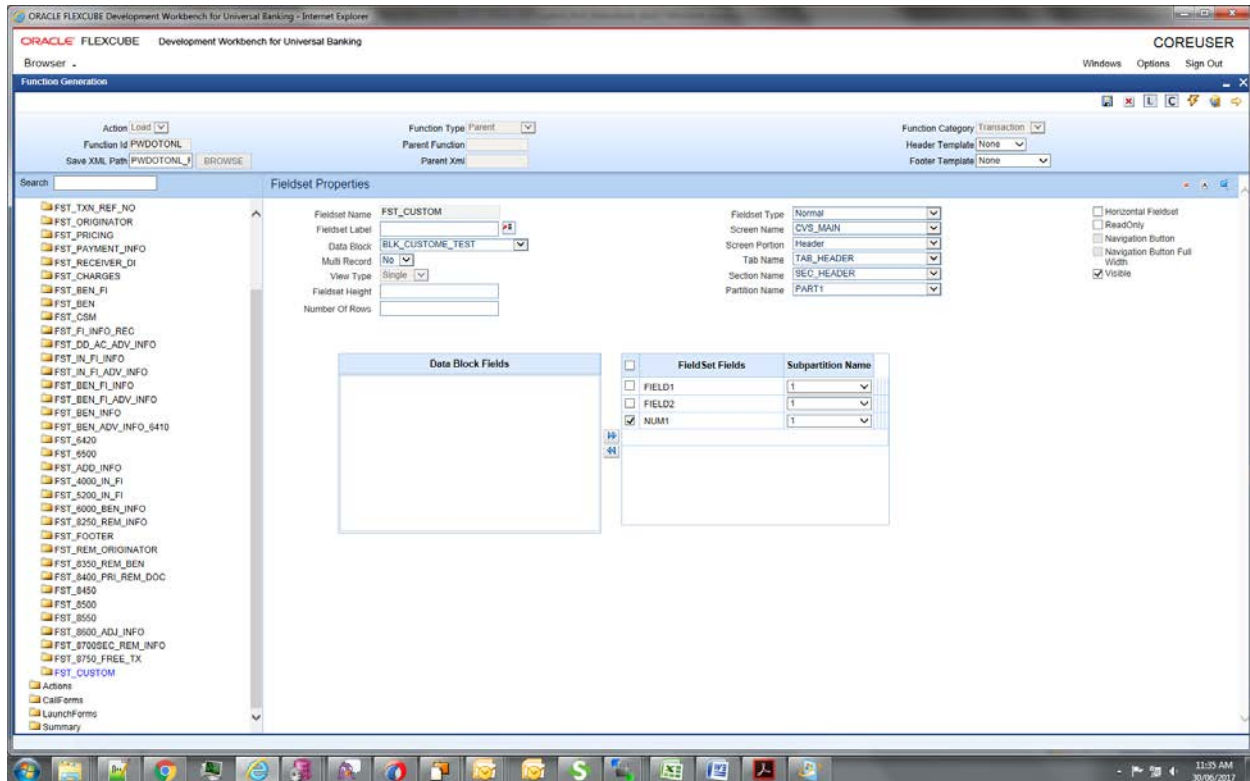
1. Here Num1 is used only for mapping with parent table. It must be part of Data Block and a fieldset (although it could be made invisible, but it has to be present in one of the fieldsets).
2. Relationship given:
PWTBS_BRANCH_OUT_TXN.TXN_REF_NO=CUSTOM_TEST.NUM1

Added new Data Block- CUSTOM_TEST and then added three fields to it- Field1, Field2 and Num1 (PK field, and to be used for entity/table mapping). Make sure the PK is mentioned in Block PK fields.

Field1 and Field2 are visible, Num1 is made invisible.

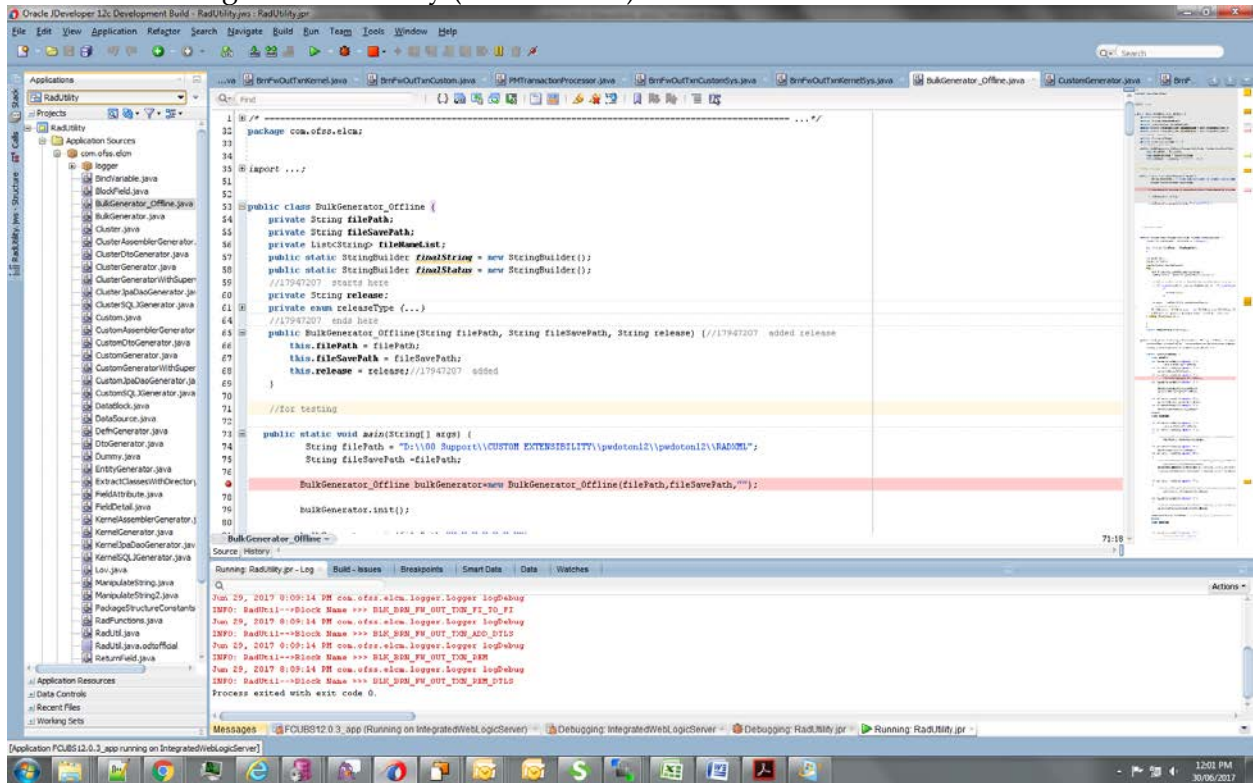


Created a new Field set FST_CUSTOM and added all the three fields to it. Added it in the Header section.



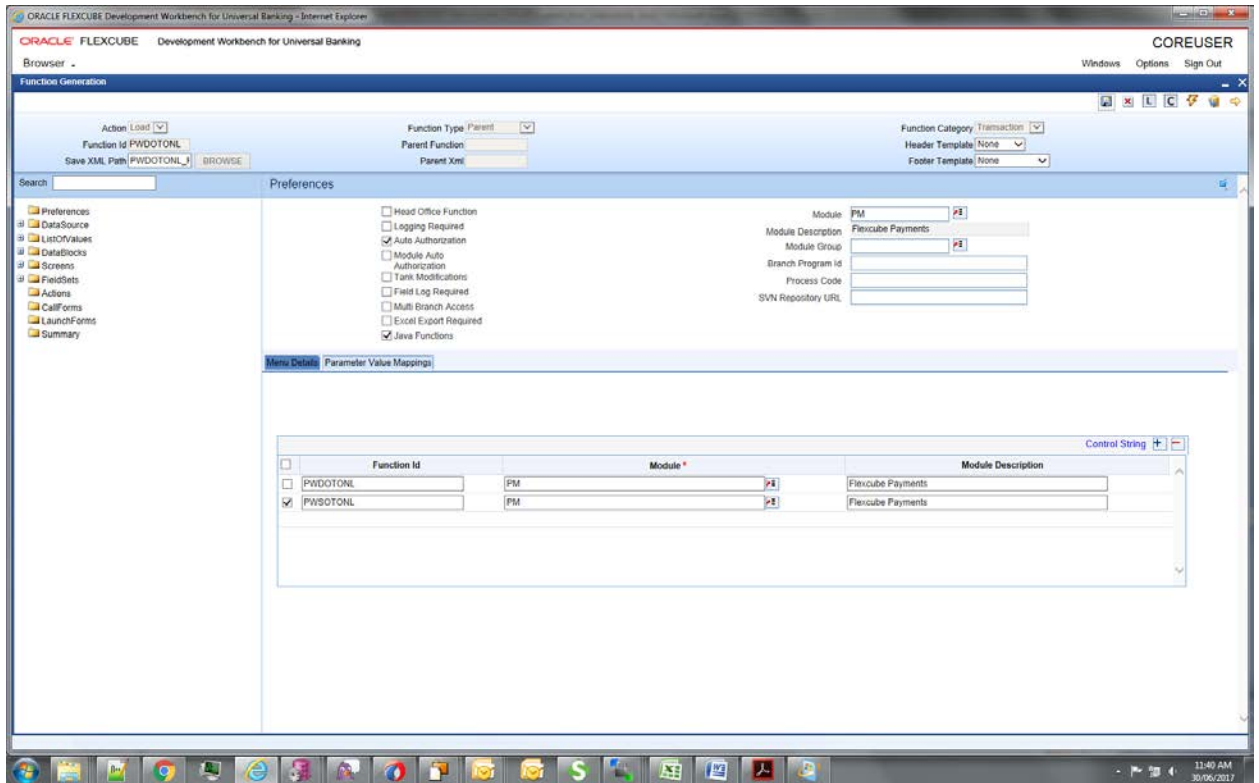
Generated files:

1. Using the RAD utility (local sources)

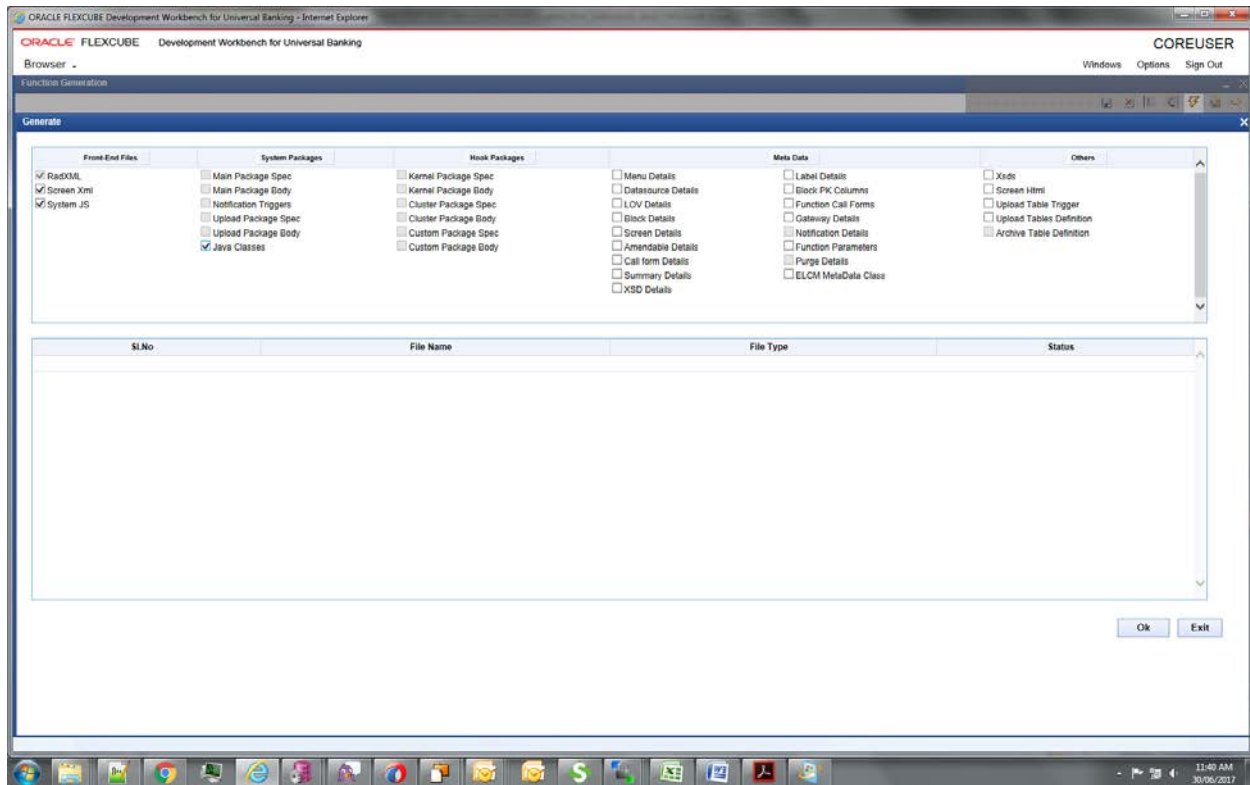


2. Using RADTOOL:

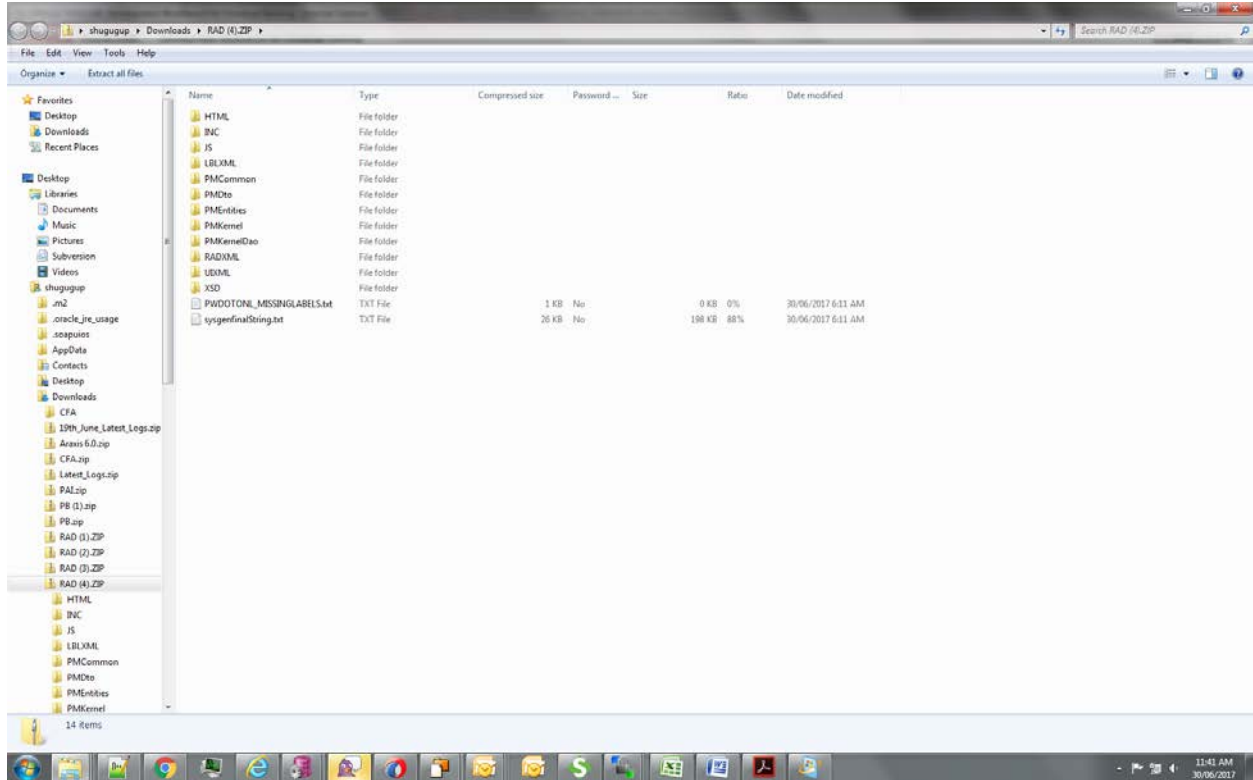
a. Step 1: Check Java functions in preferences



b. Step 2: While generating, check Java Classes.



Generated folders



Points to Note:

1. The generated artifacts need to be added to the project.
2. Common Files and Entity files will replace existing kernel files. Others will be of different names, e.g., BrnFwOutTxnCustomSys.java (instead of BrnFwOutTxnSys.java as in case of Kernel files).
3. These files extend kernel files, and hence all kernel functionality would be retained and additional code can be added in these Custom files as need be.
4. Please note that any additional business logic/validations can be added in <MasterBlockName>Custom.java file (for example, in this case, BrnFwOutTxnCustom.java).

After deploying the java files, UIXML and JS the screen (Blue Circled are the Custom fields)

The screenshot shows the Oracle Banking Payments Custom RAD Extensibility Transaction Screens. The main form is titled 'Fedwire Outgoing Payments' and includes several sections for data entry:

- Transaction Branch:** Host Code, Source Code (MANL), Network Code, Transfer Type (BTR Bank Transfer), 1510 Type, Sub Type, Field 1, and Field 2 (highlighted with a blue circle).
- Transaction reference no:** User Reference, Source Reference Number, Transaction Type Code, and 3600 Business Function Code (BTR).
- Originator:** Debit Account, Debit Currency, ID Code, Identifier, Name, Address, and Address 1.
- Receiver:** Receiver ABA Number and Receiver Short Name.
- Charges:** Details of Charges and Senders Charges.
- Payment Details:** Booking Date, Instruction Date, Value Date, Transfer Currency (USD), Transfer Amount, 3720 Exchange rate, Debit Value Date, Credit Value Date, Customer No, Customer Service Model, and Remarks.

The bottom of the screen displays the Maker ID, Checker ID, Authorization Status, and an Exit button. The system status bar at the bottom shows the date and time as 11:30 AM on 30/06/2017.

Creating a new record:

The screenshot displays the Oracle Banking Payments Custom RAD Extensibility Transaction Screens. The browser address bar shows the URL: 127.0.0.1:7101/FC/NeoWeb/SMMCDIFRM.jsp. The Oracle logo is visible in the top left corner. The page title is "Fedwire Outgoing Payments". The form is divided into several sections:

- Transaction Details:**
 - Transaction Branch * 000
 - Host Code * HOSTSW
 - Source Code * MANL
 - Network Code * FASTPAYMENT
 - Transfer Type * BTR-Bank Transfer
 - 1510 Type 10
 - Sub Type 00
 - Field 1 SHUBHAM
 - Field 2 GUPTA
- Transaction Reference:**
 - Transaction reference no * 171811123930000
 - User Reference * 171811123930000
 - Source Reference Number
 - Transaction Type Code
 - 3600 Business Function Code BTR
- Main / Pricing / FI Information / Additional / Remittance Information:**
 - :5000:Originator
 - Debit Account * PX1EUR0000000000000012
 - Debit Currency EUR
 - ID Code
 - Identifier
 - Name Graham Smith
 - Address
 - Address 1
 - :3700:Charges
 - Details of Charges
 - Senders Charges
- Payment Details:**
 - Booking Date 2017-06-30
 - Instruction Date * 2017-06-30
 - Value Date YYYY-MM-DD
 - Transfer Currency * USD
 - Transfer Amount * 143
 - :3720 Exchange rate
 - Debit Value Date
 - Credit Value Date
 - Customer No 100000000100000000001
 - Customer Service Model
 - Remarks
- Receiver:**
 - Receiver ABA Number * 111
 - Receiver Short Name
- Footer:**
 - Maker ID
 - Maker Date Stamp
 - Checker ID
 - Checker Date Stamp
 - Authorization Status
 - Cancel

Record saved

The screenshot displays the Oracle Banking Payments Custom RAD Extensibility Transaction Screens. The main window is titled "Fedwire: Outgoing Payments" and contains a form for entering transaction details. The form is divided into several sections: "Main", "Pricing", "FI Information", "Additional", and "Remittance Information". The "Main" section includes fields for Transaction Branch (000), Host Code (HOSTSW), Source Code (MANL), Network Code (FASTPAYMENT), Transfer Type (BTR Bank Transfer), 1510 Type (10), Sub Type (00), Field 1 (SHUBHAM), and Field 2 (GUPTA). The "Pricing" section includes fields for Transaction reference no (171811123930000), User Reference (171811123930000), Source Reference Number, Transaction Type Code, and 3600 Business Function Code (BTR). The "FI Information" section includes fields for Debit Account (PX1EUR000000), Debit Currency (EUR), ID Code, Identifier, Name (Graham Smith), Address, and Address 1. The "Additional" section includes fields for Receiver ABA Number (111), Receiver Short Name, Debit Value Date, Credit Value Date, Customer No (10000000010000000001), Customer Service Model, and Remarks. The "Remittance Information" section includes fields for :3700:Charges, Details of Charges, Senders Charges, Maker ID, Checker ID, Authorization Status, Maker Date Stamp, and Checker Date Stamp. An "Information Message" dialog box is overlaid on the form, displaying the message "Transaction Processed and Authorized." with an "Ok" button. The Oracle logo is visible in the top left corner of the application window. The browser address bar shows the URL "127.0.0.1:7101/FC/NeoWeb/SMMCDPRM.jsp". The system tray at the bottom shows the date and time as 11:57 AM on 30/06/2017.

Record saved

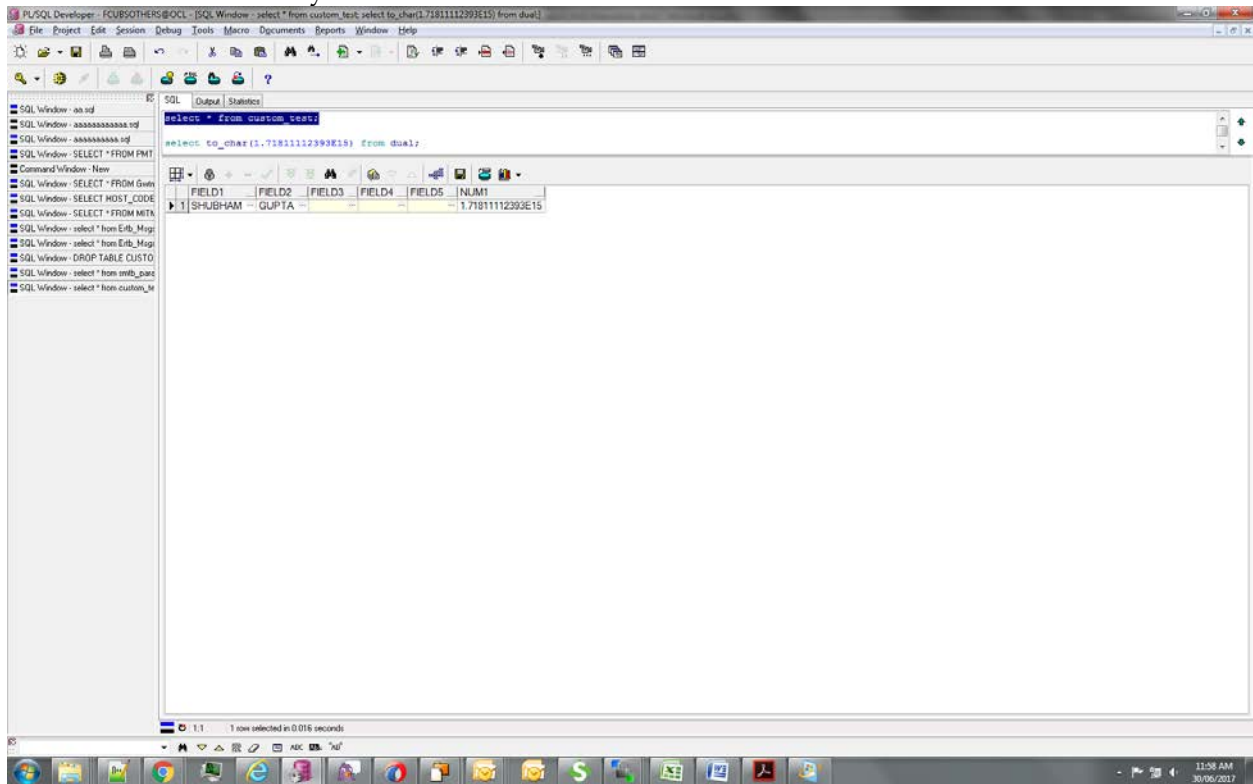
Oracle Banking Payments Custom RAD Extensibility Transaction Screens

While querying the record

The screenshot displays the Oracle Banking Payments Custom RAD Extensibility Transaction Screens. The browser address bar shows the URL: 127.0.0.1:7101/FCI/NeoWeb/SMMCDPRM.jsp. The Oracle logo is visible in the top left corner. The page title is "Fedwire Outgoing Payments". The form is divided into several sections:

- Transaction Information:**
 - Transaction Branch * 000
 - Host Code * HOSTSW
 - Source Code * MANL
 - Network Code * FASTPAYMENT
 - Transfer Type * BTR Bank Transfer
 - 1510 Type 10
 - Sub Type 00 (1510 Type)
 - Field 1 SHUBHAM
 - Field 2 GUPTA
- Payment Details:**
 - Transaction reference no * 1718111123930000
 - User Reference * 1718111123930000
 - Source Reference Number
 - Transaction Type Code
 - 3600 Business Function Code BTR
 - Booking Date 2017-06-30
 - Instruction Date * 2017-06-30
 - Value Date YYYY-MM-DD
 - Transfer Currency * USD
 - Transfer Amount * 143
 - 3720 Exchange rate
 - Debit Value Date
 - Credit Value Date
 - Customer No 10000000010000000001
 - Customer Service Model
 - Remarks
- Originator Information:**
 - 5000:Originator
 - Debit Account * PX1EUR00000000000000012
 - Debit Currency EUR
 - ID Code
 - Identifier
 - Name Graham Smith
 - Address
 - Address 1
- Receiver Information:**
 - Receiver
 - Receiver ABA Number * 111
 - Receiver Short Name
- Charges:**
 - 3700:Charges
 - Details of Charges
 - Senders Charges
- Footer:**
 - Maker ID
 - Checker ID
 - Authorization Status
 - Maker Date Stamp
 - Checker Date Stamp
 - Exit button

Backend table Entry





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