

# Custom RAD Extensibility Transaction Screens

Oracle Banking Payments

Release 14.5.4.0.0

[April 2022]



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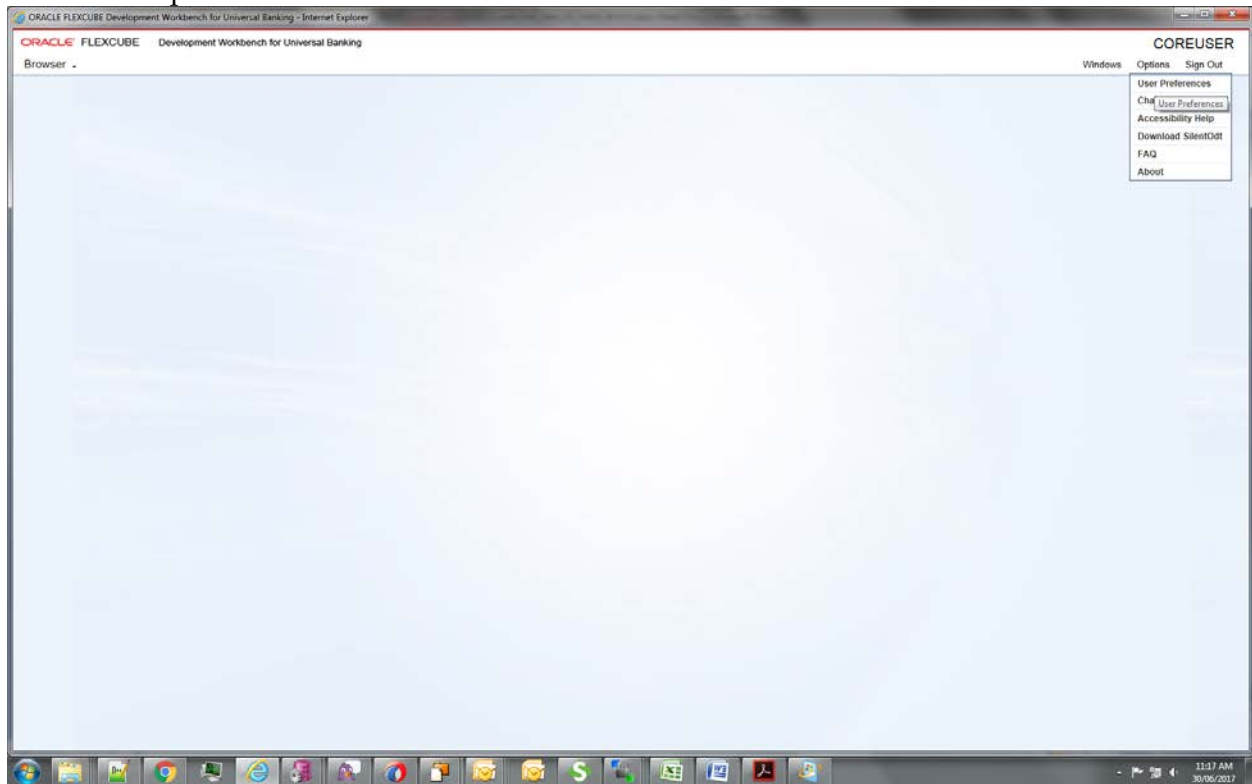
# 1 Preface

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

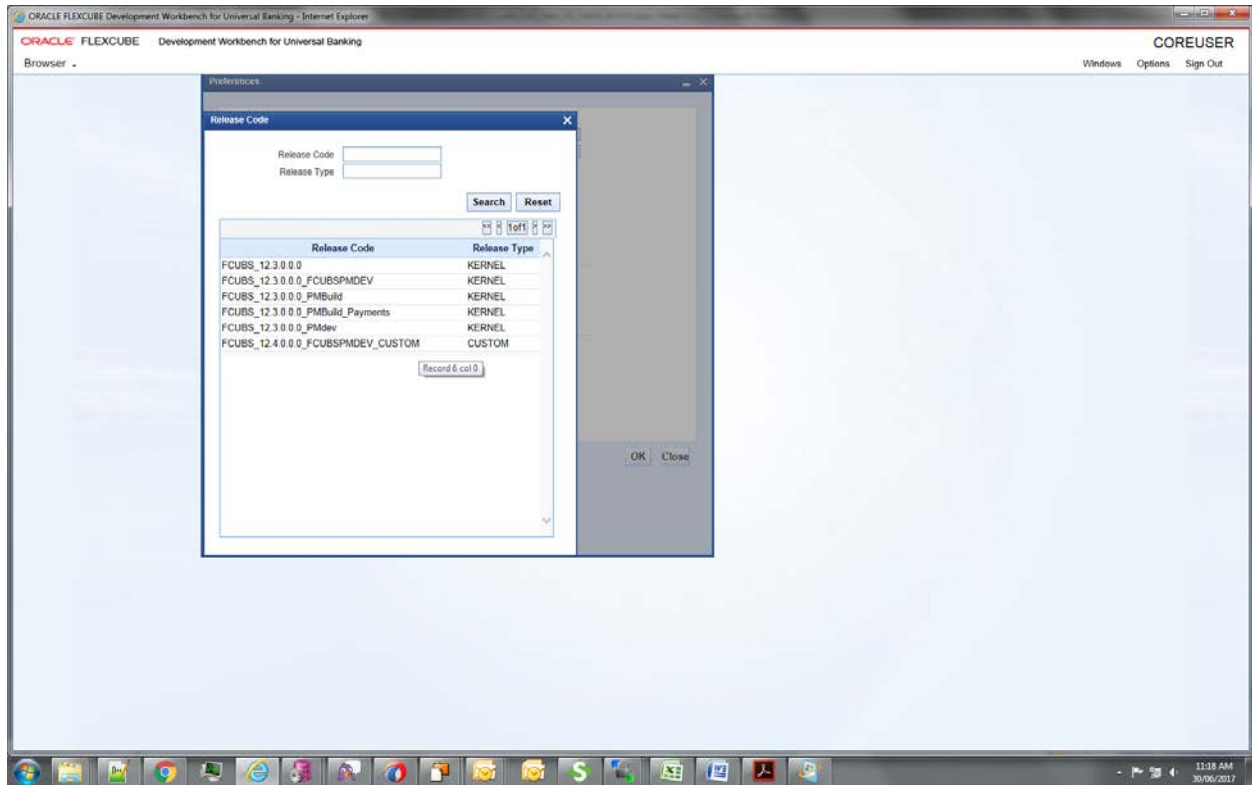
## 2 Approach

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.

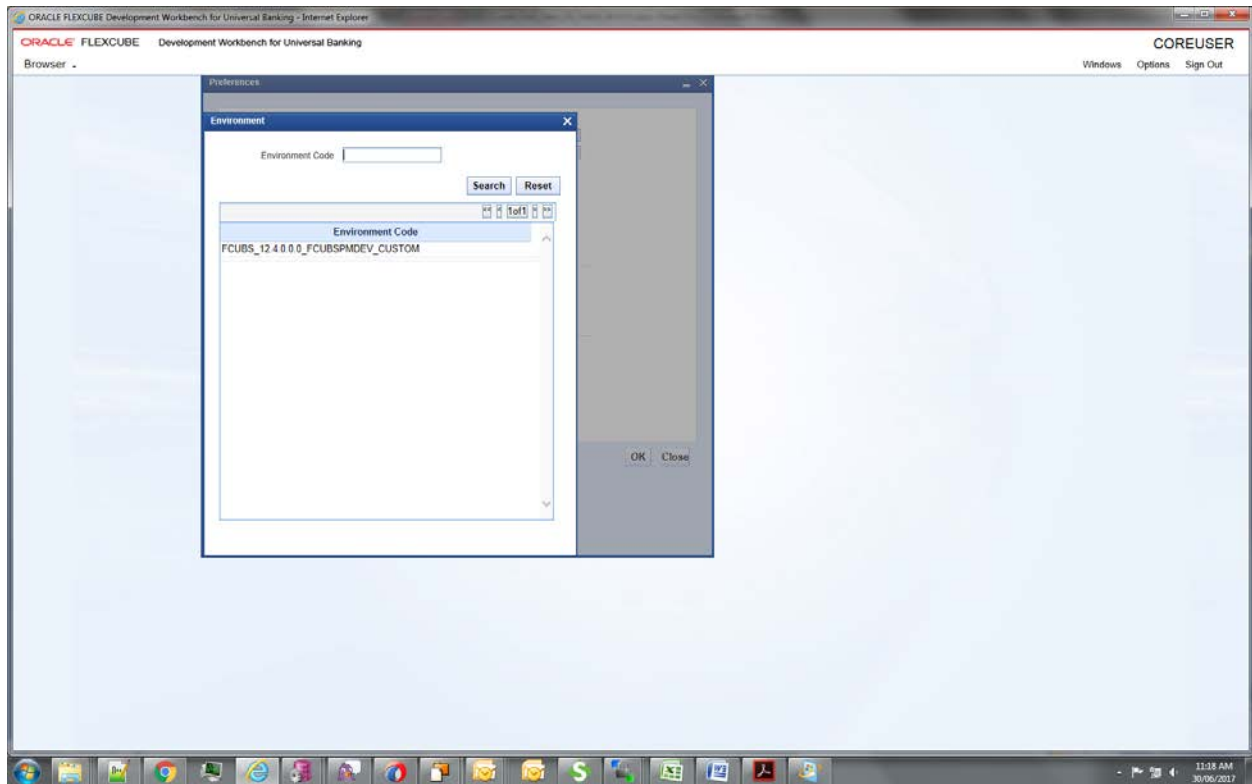
## Select Options -> User Preferences



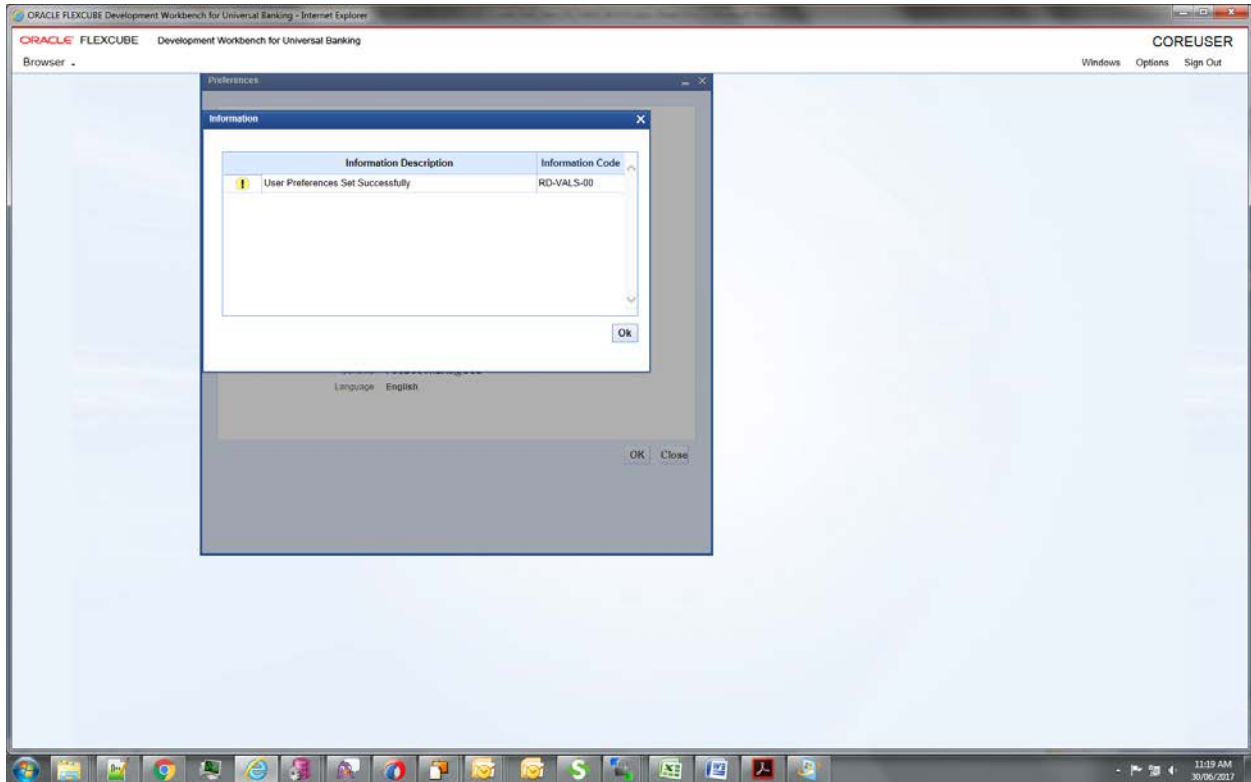
## Select the Custom release



## Select the environment

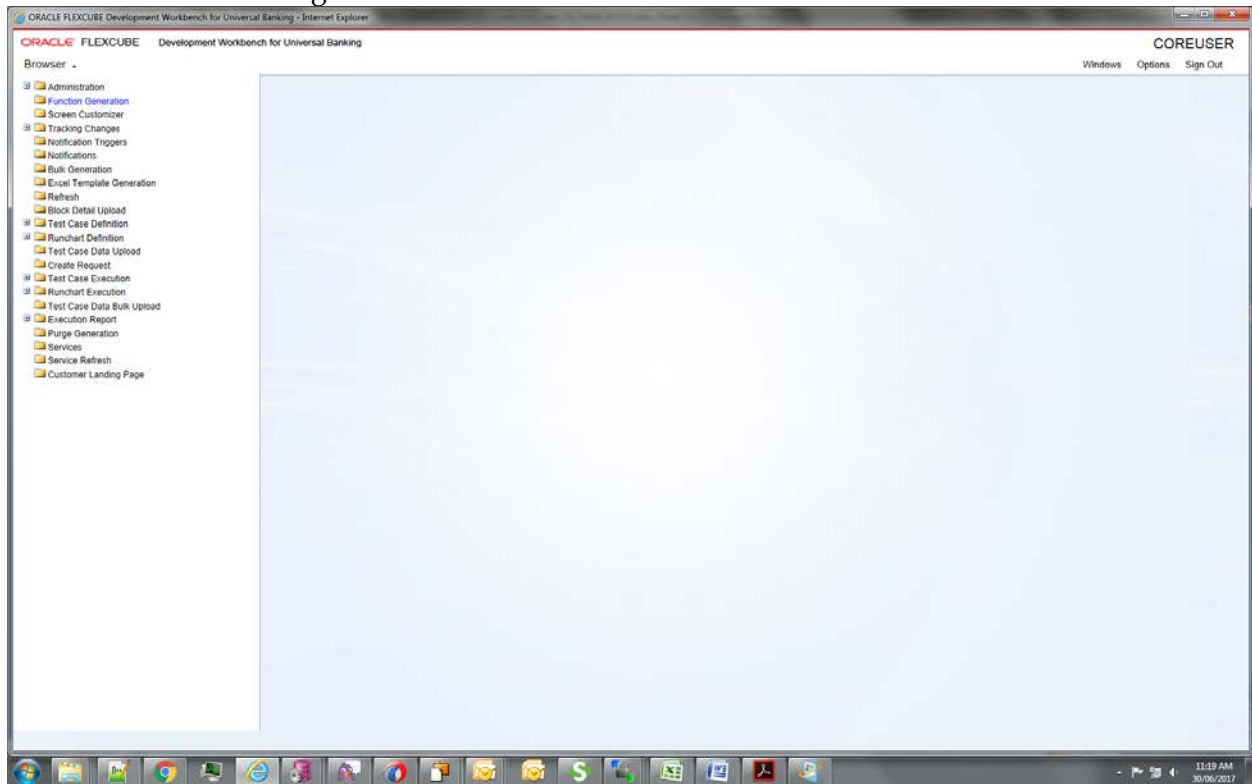


And then click ok

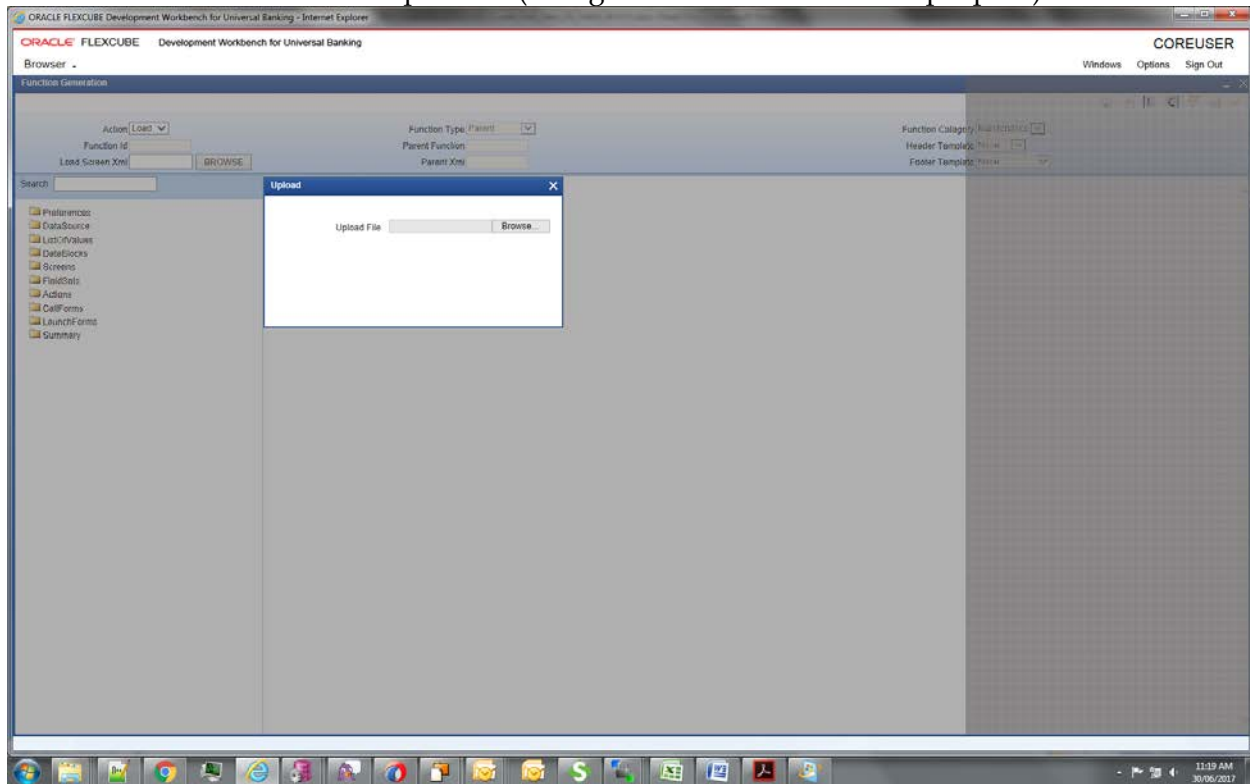




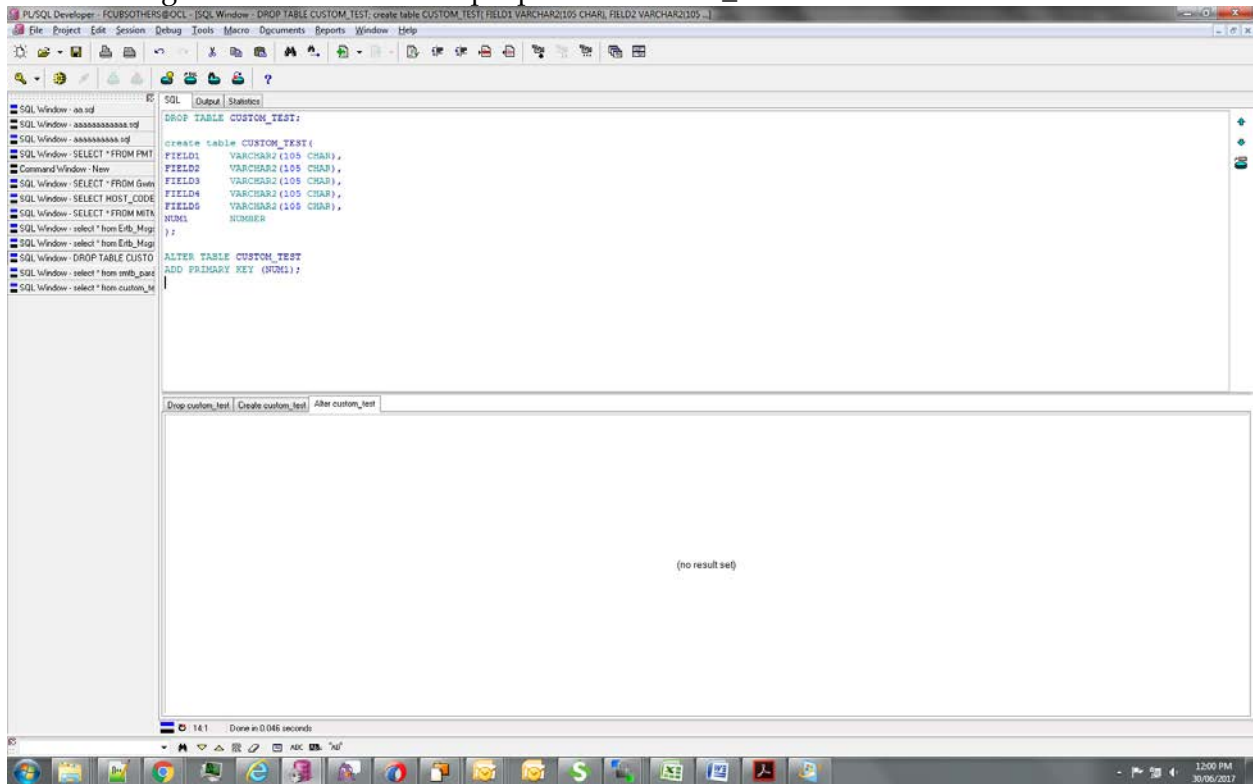
## Select the function generation



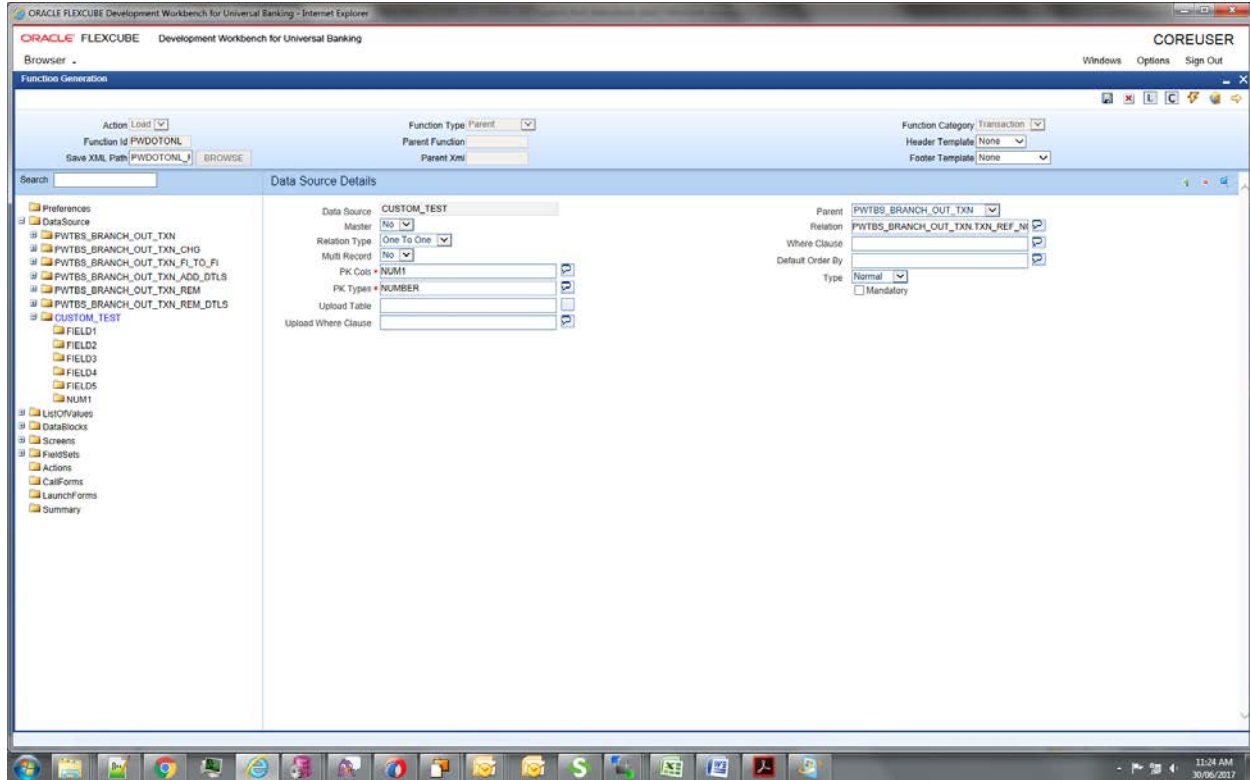
Select the RAD file to be uploaded (Using PWDOTONL for Demo purpose)



## 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

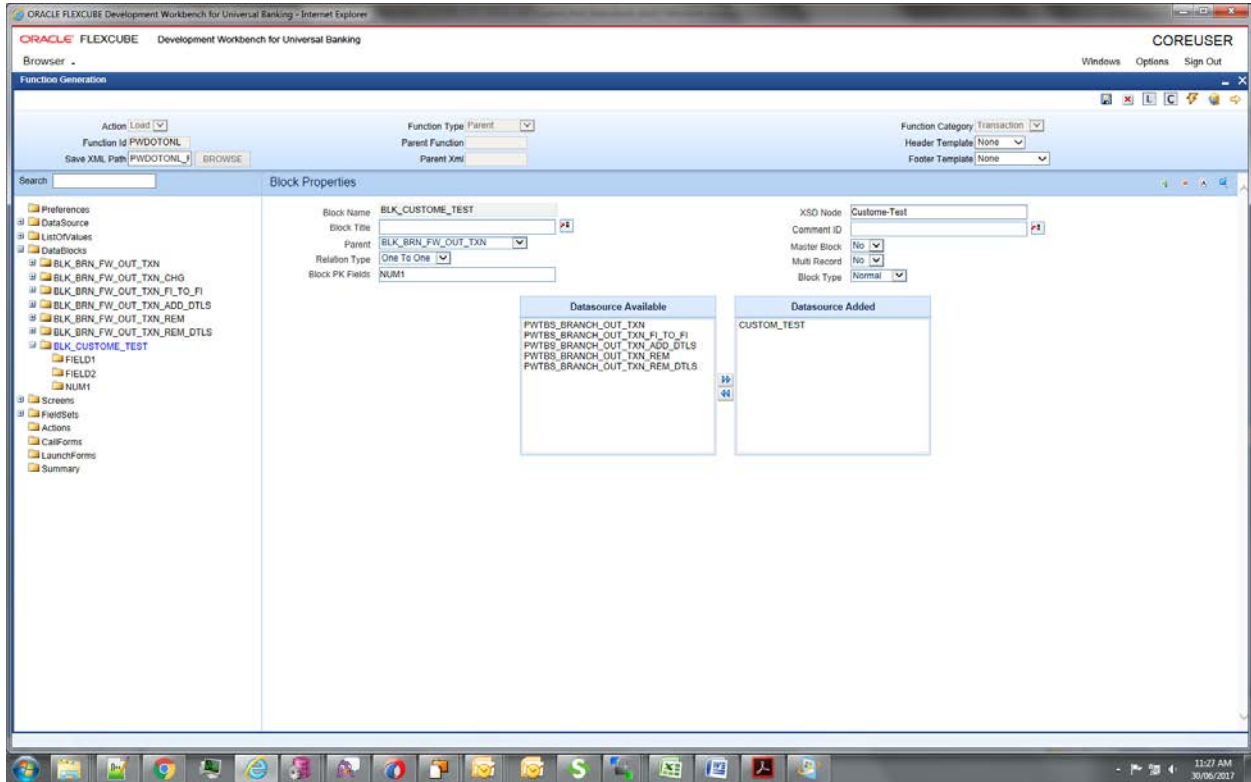


Points to note:

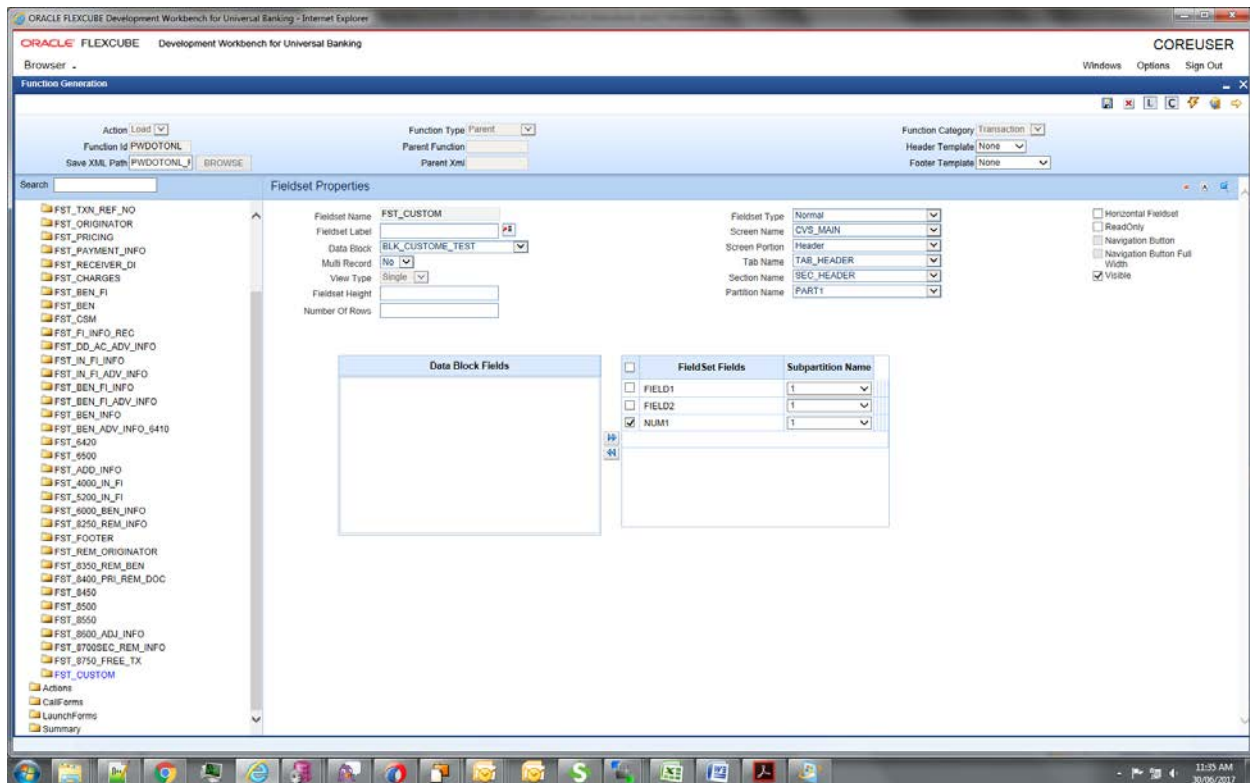
1. Here Num1 is used only for mapping with parent table. It must be part of Data Block and a fieldset (although it could be made invisible, but it has to be present in one of the fieldsets).
2. Relationship given:  
PWTBS\_BRANCH\_OUT\_TXN.TXN\_REF\_NO=CUSTOM\_TEST.NUM1

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.

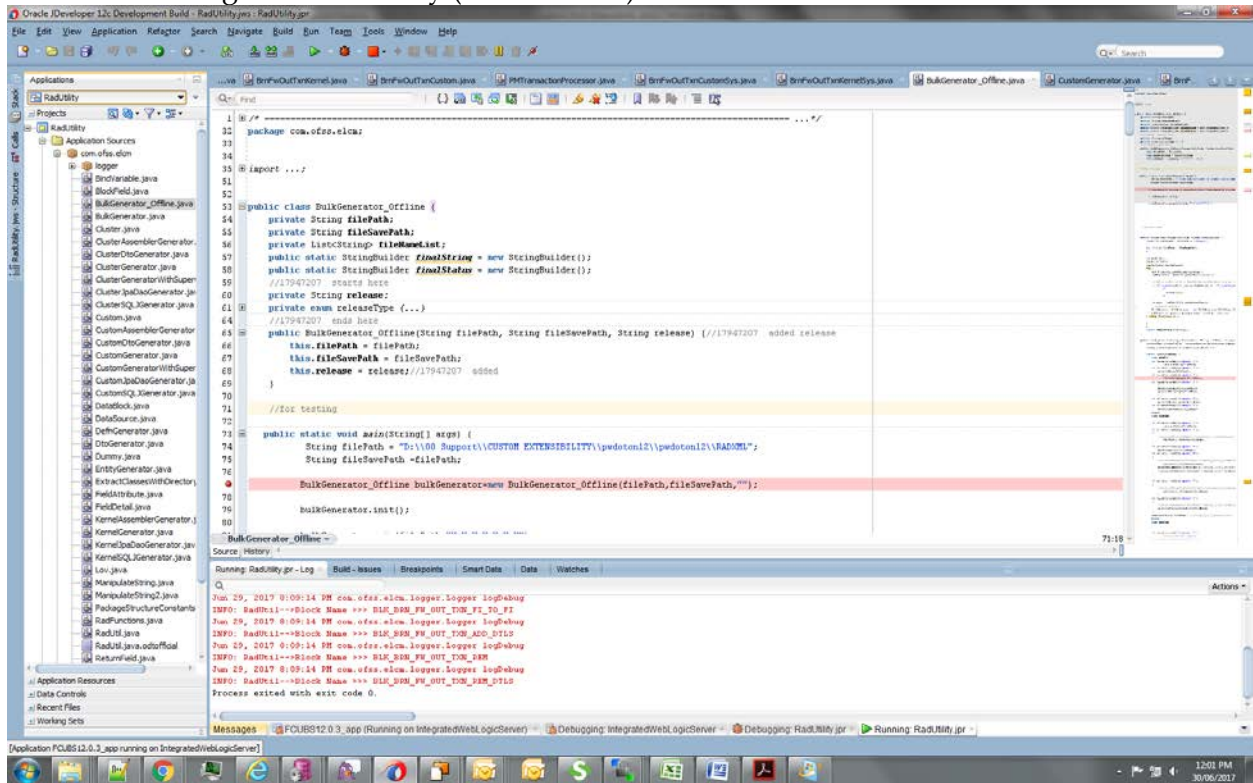


Created a new Field set FST\_CUSTOM and added all the three fields to it. Added it in the Header section.



## Generated files:

### 1. Using the RAD utility (local sources)



## 2. Using RADTOOL:

### a. Step 1: Check Java functions in preferences

The screenshot displays the Oracle FLEXCUBE Development Workbench for Universal Banking. The main window is titled "Function Generation" and shows the "Preferences" tab for the function "PWDOTONL". The "Function Type" is set to "Parent". The "Function Category" is "Transaction". The "Header Template" and "Footer Template" are both set to "None".

The "Preferences" section includes several checkboxes:

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

The "Module" field is set to "PM". The "Module Description" is "Flexcube Payments". The "Module Group" is also set to "PM".

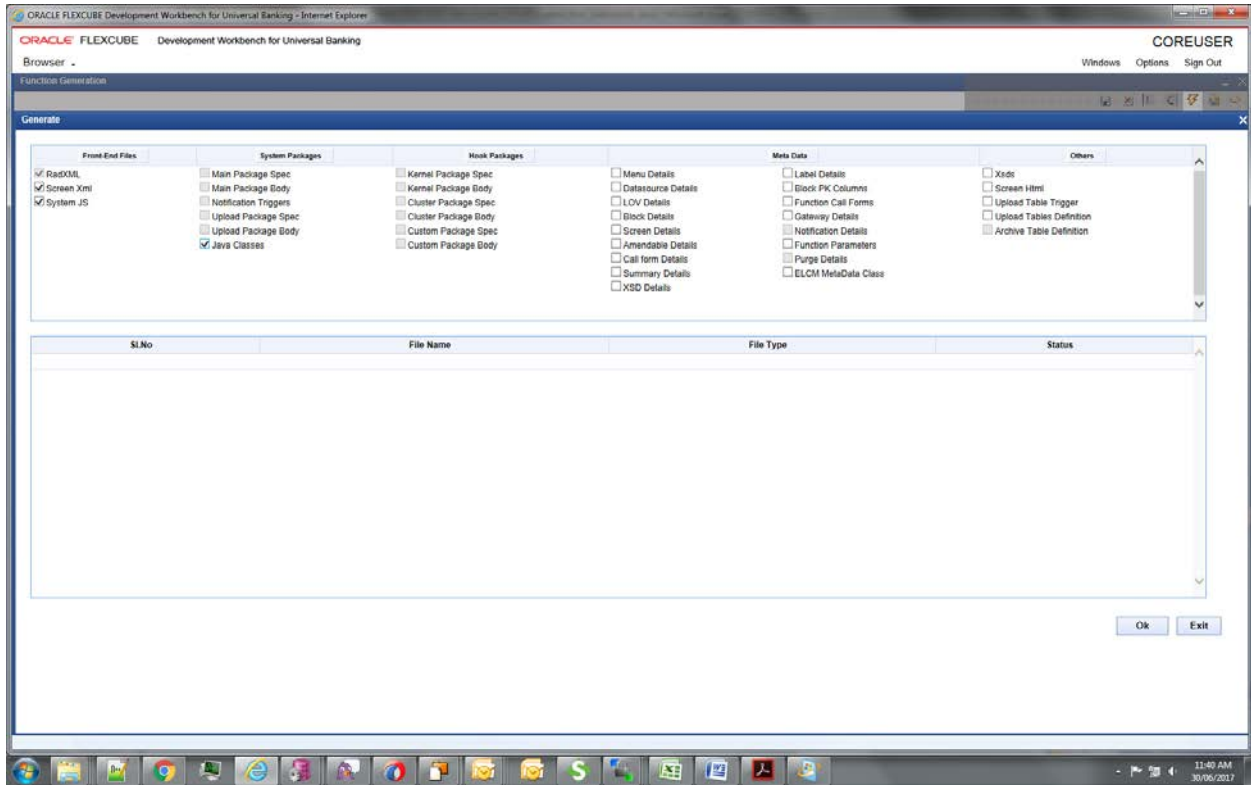
The "Parameter Value Mappings" section shows a table with the following data:

Function Id	Module	Module Description
<input type="checkbox"/> PWDOTONL	PM	Flexcube Payments
<input checked="" type="checkbox"/> PWSOTONL	PM	Flexcube Payments

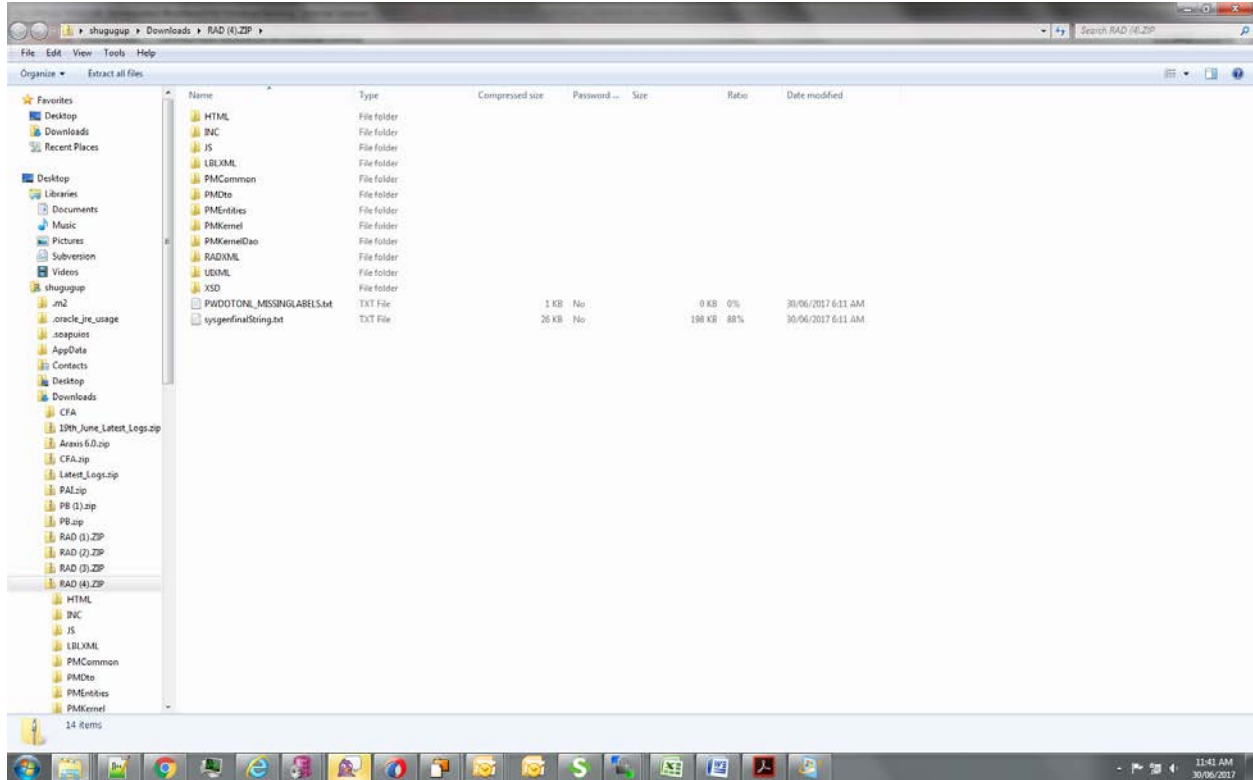
The Windows taskbar at the bottom shows the system clock as 11:49 AM on 30/06/2017.



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



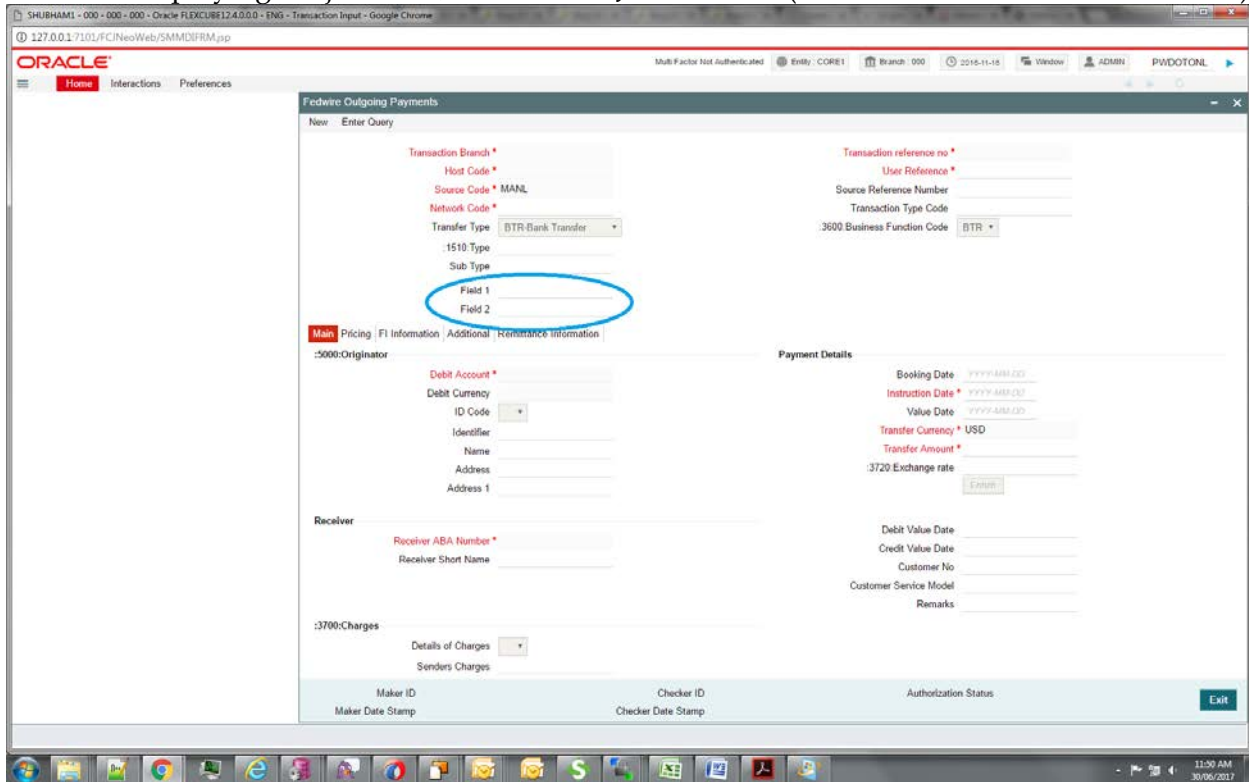
## Generated folders



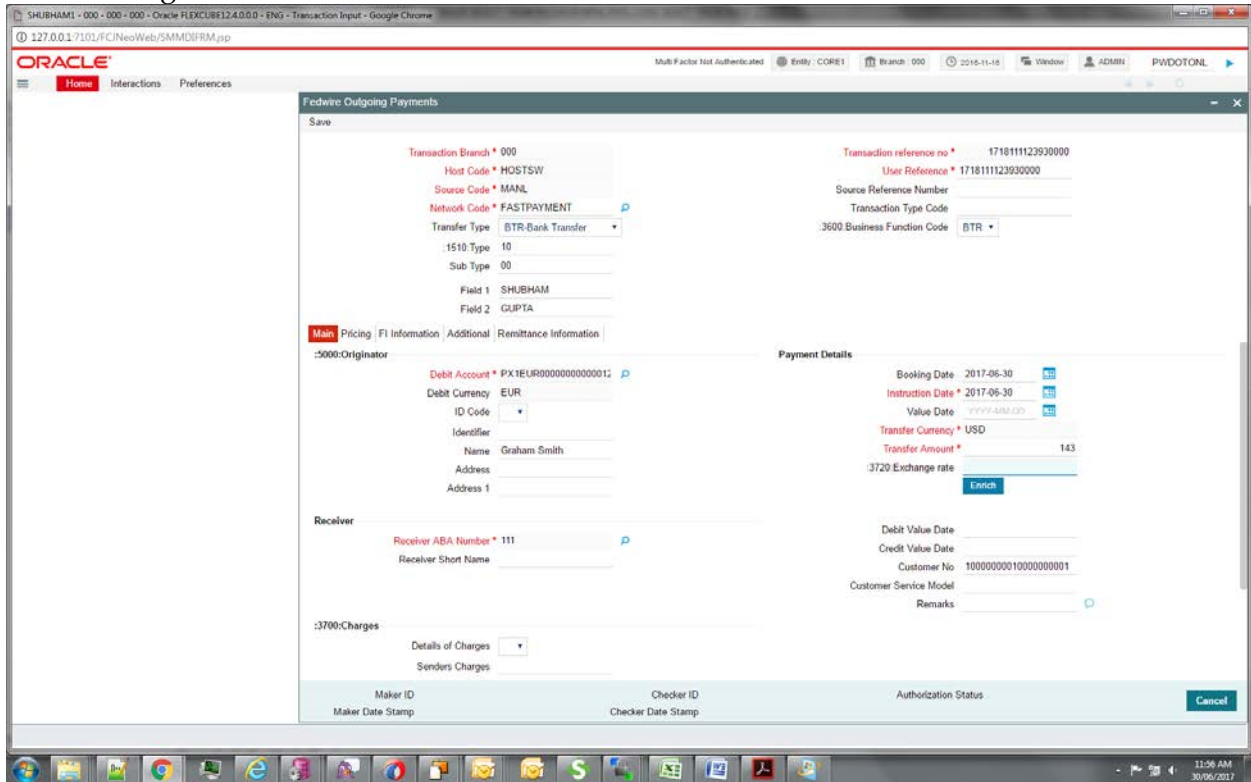
### Points to Note:

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).

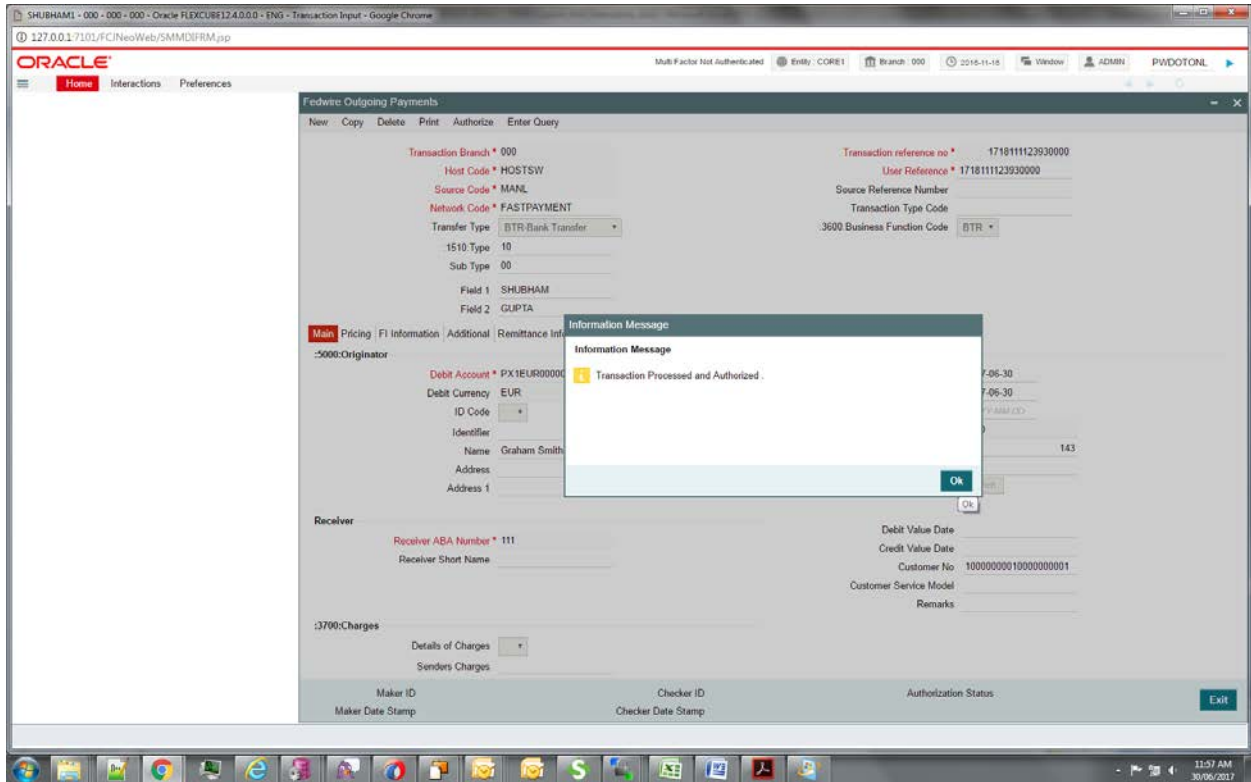
After deploying the java files, UIXML and JS the screen (Blue Circled are the Custom fields)



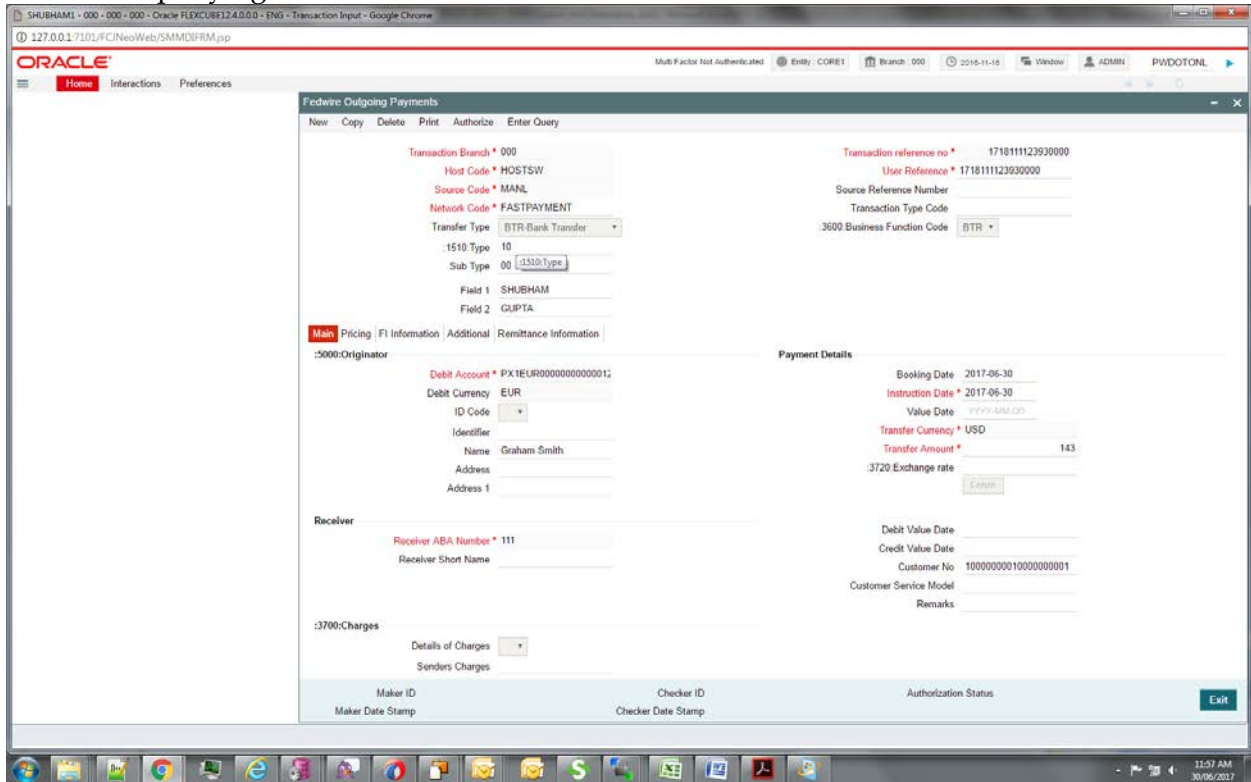
# Creating a new record:



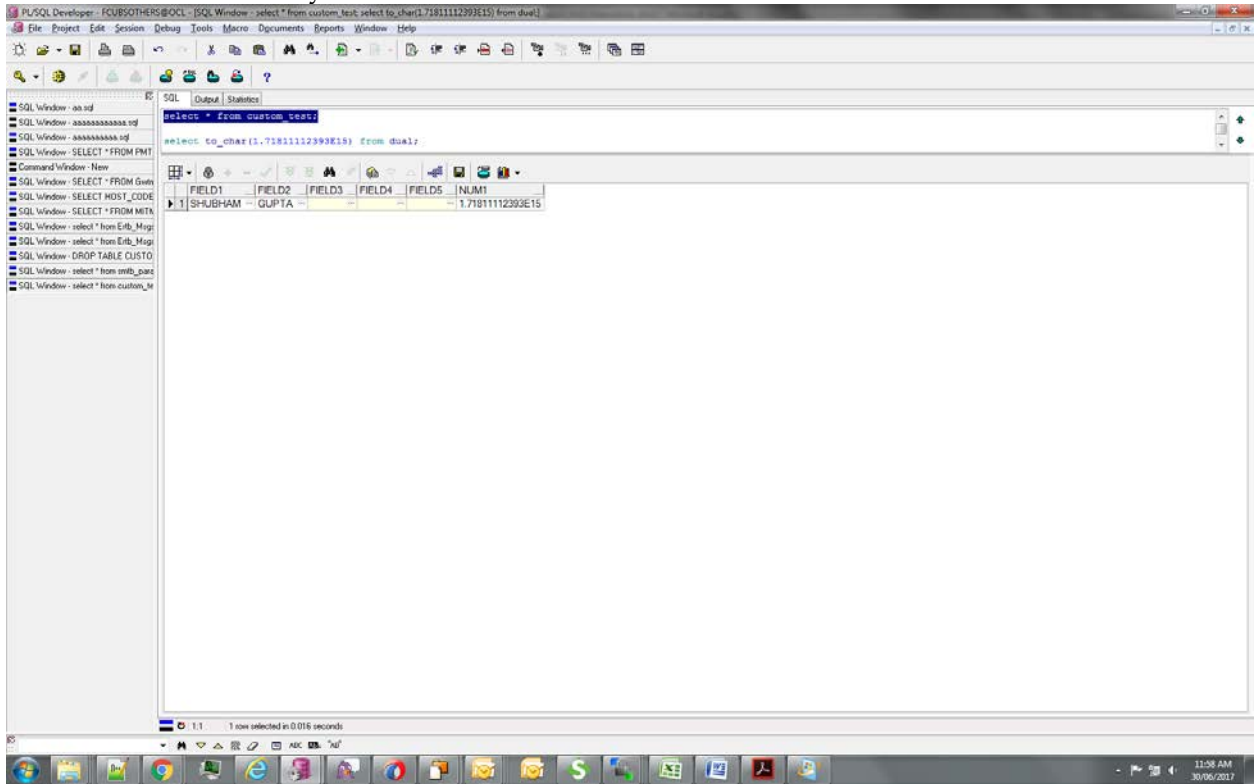
Record saved



# While querying the record



# Backend table Entry





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[April 2022]  
Version 14.5.4.0.0

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