**Integration Testing-**

# It is a type of Software testing in which the different units, modules, or components of a software application are tested as a combined entity.

We will check here functionality of the mappings.

**There are 2 mappings:**

1. m\_mapp\_spr1
2. m\_mapp\_spr2
3. **Test Case ID: M1**

**Test Case Purpose**: Validate Mapping, m\_mapp\_spr1, Validate Workflow, wf\_m\_mapp\_spr1

**Test Procedure:**

* + - * Go to Mapping
      * Connect Source and Target
      * Use Transformation
      * Connect All and then Save it
      * Go to menu> mapping> Click on validate

**Input Value/Test Data:**

Sources: CUSTOMER\_INFO\_GRP7, L\_APPL  
Targets: L\_APPROVE, L\_DECLINE, CRED\_SCORECARD  
Transformations:

* For target table: L\_APPROVE

1. JOINER: JOINER transformation used for joining two sources

Here sources joined with condition C\_ID1=C\_ID

1. ROUTER: ROUTER transformation used for approving loan applications having credit score greater than 500

* For target table: L\_DECLINE

1. JOINER: JOINER transformation used for joining two sources

Here sources joined with condition C\_ID1=C\_ID

1. ROUTER: ROUTER transformation used for declining loan applications having credit score less than equal to 500

* For target table: CRED\_SCORECARD

1. RANK: RANK transformation used for ranking top 10 loan applications based on the credit score

**Expected Results:**Check Mapping> Mapping is valid

Message in workflow manager status bar: “Workflow WF\_S\_M\_MAPP\_SPR1 is valid “

**Actual Results:**Message in workflow manager status bar: “Workflow WF\_S\_M\_MAPP\_SPR1 is valid “

**Remarks: Pass**

**Tester Comments:**

Retrieved the data from source tables CUSTOMER\_INFO\_GRP7 and L\_APPL grouped it in 2 category approved loan and declined loan applications using transformations. The output is useful to identify the approved loans from which further loan process can be easier and top ranking also help to retrieve data more flexibly.

1. **Test Case ID: M2**

**Test Case Purpose**: Validate Mapping, m\_mapp\_spr2, Validate Workflow, wf\_m\_mapp\_spr22

**Test Procedure:**

* + - * Go to Mapping
      * Connect Source and Target
      * Use Transformation
      * Connect All and then Save it
      * Go to menu> mapping> Click on validate

**Input Value/Test Data:**Sources and targets are available and connected  
Sources: CUSTOMER\_INFO\_GRP7, L\_APPL  
Targets: CUST\_APPL, LOAN\_INFO

Transformation:

* For target table: CUST\_APPL

1. JOINER: JOINER transformation used for joining two sources

Here sources joined with condition C\_ID1=C\_ID

1. Aggregator: To COUNT the number of applications.

* For target table: LOAN\_INFO

1. JOINER: JOINER transformation used for joining two sources

Here sources joined with condition C\_ID1=C\_ID.

1. FILTER: FILTER transformation used for retrieving data having loan amount greater than 500000

**Expected Results:**Message in workflow manager status bar: “Workflow WF\_S\_M\_MAPP\_SPR22 is valid “

**Actual Results:**Message in workflow manager status bar: “Workflow WF\_S\_M\_MAPP\_SPR22 is valid “

**Remarks: Pass**

**Tester Comments:**

Retrieved the data from source tables CUSTOMER\_INFO\_GRP7 and L\_APPL in order to find the data of applicants in which the loan amount is greater than a given parameter value. The output table CUST\_APPL will give the output in a flat file about the number of applications submitted by each customer.