**UNIT TESTING: -**

1. **TEST CASE 1 (Trends of Eating):**

**Test case Purpose:**

Validate Mapping 🡪 m\_map\_Eating\_trend

**Test Procedure:**

* Open Informatica PowerCenter Mapping Designer
* Go to Mapping Designer
* Mapping Designer menu 🡪 click on Validate

**Input Value/Test Data:** Source and target are connected

* Source: VISITORS\_GRP3, ORDER\_GRP3, FOOD\_GRP3
* Target (flat file): TRG\_EATING\_TREND
* Mapping: m\_map\_Eating\_Trend
* Session: s\_ m\_map\_Eating\_Trend
* Transformation:

1. Expression: Conversion function TO\_CHAR() is used

to convert the time of visitors into years.

1. Aggregator: COUNT aggregator is used to count the

number of visitors using V\_ID.

**Expected Results:** Message in Mapping designer status bar

“Mapping m\_map\_Eating\_trend Valid.”

**Actual Results:** Message in Mapping designer status bar

“Mapping m\_map\_Eating\_trend Valid.”

**Remarks:** Succeeded

Tester Comments: The output displays the trend of eating

habit of visitors over time.

1. **TEST CASE 2 (Purchasing habits):**

**Test case Purpose:**

Validate Mapping 🡪 m\_map\_PURCHASE

**Test Procedure:**

* Open Informatica PowerCenter Mapping Designer
* Go to Mapping Designer
* Mapping Designer menu 🡪 click on Validate

**Input Value/Test Data:** Source and target are connected

* Source: VISITORS\_GRP3, PURCHASE\_GRP3, PRODUCT\_GRP3
* Target (flat file): TRG\_PURCHASING\_HABBIT
* Mapping: m\_map\_PURCHASE
* Session: s\_ m\_map\_PURCHASE
* Transformation:

1. Expression: Conversion function TO\_CHAR() is used

to convert the time of visitors into years.

2. Aggregator: COUNT aggregator is used to count the

number of visitors using V\_ID.

**Expected Results:** Message in Mapping designer status bar

“Mapping m\_map\_PURCHASE Valid.”

**Actual Results:** Message in Mapping designer status bar

“Mapping m\_map\_PURCHASE is Valid”

**Remarks:** Succeeded

**Tester Comments:** The output displays the trend of

purchasing habit of visitors.

1. **TEST CASE 3 (Visitors type):**

**Test case Purpose:**

Validate Mapping 🡪 m\_map\_visitor\_type

**Test Procedure:**

* Open Informatica PowerCenter Mapping Designer
* Go to Mapping Designer
* Mapping Designer menu 🡪 click on Validate

**Input Value/Test Data:** Source and target are connected

* Source: VISITORS\_GRP3, VISIT\_GRP3, BRANCH\_GRP3
* Target (flat file): TRG\_V\_TYPE
* Mapping: m\_map\_visitor\_type
* Session: s\_ m\_map\_visitor\_type
* Transformation:

1. Joiner: To join three tables - VISITORS\_GRP3,

VISIT\_GRP3 andBRANCH\_GRP3 by first applying

joiner on VISITORS\_GRP3 and VISIT\_GRP3 using

Joiner1 and then by applying joiner on Joiner1

and BRANCH\_GRP3.

1. Expression: To set the value of visitor type in column V\_TYPE by using informatica if condition (IIF) to compare the value of visitor city i.e V\_CITY and branch city i.e B\_CITY.

**Expected Results:** Message in Mapping designer status bar

“Mapping m\_map\_visitor\_type is Valid.”

**Actual Results:** Message in workflow manager status bar

“Mapping m\_map\_visitor\_type is Valid.”

**Remarks:** Succeeded

**Tester Comments:** The output displays the visitor type of each

visitor i.e whether they are ‘LOCAL’ or ‘TOURIST’.

1. **TEST CASE 4 (PEAK HOURS):**

**Test case Purpose:**

Validate Mapping 🡪 m\_map\_Peak\_hr

**Test Procedure:**

* Open Informatica PowerCenter Mapping Designer
* Go to Mapping Designer
* Mapping Designer menu 🡪 click on Validate

**Input Value/Test Data:** Source and target are connected

* Source: VISITORS\_GRP3, VISIT\_GRP3, BRANCH\_GRP3
* Target (flat file): TRG\_PEAK\_HR
* Mapping: m\_map\_Peak\_hr
* Session: s\_ m\_map\_Peak\_hr
* Transformation:

1. Joiner: To join three tables - VISITORS\_GRP3,

VISIT\_GRP3 and BRANCH\_GRP3 by first applying

joiner on VISITORS\_GRP3 and VISIT\_GRP3 using

Joiner1 and then by applying joiner on Joiner1

and BRANCH\_GRP3.

1. Expression: To set the value of time of visit by using

conversion function TO\_CHAR(V\_TOV) on time of

visit and resulting it to hours.

1. Aggregator: COUNT aggregator is used to count peak hours and by applying group by hours and branch.
2. Rank: To appear top 5 rank according to branch.

**Expected Results:** Message in Mapping designer status bar

“Mapping m\_map\_Peak\_hr is Valid.”

**Actual Results:** Message in workflow manager status bar

“Mapping m\_map\_Peak\_hr is Valid.”

**Remarks:** Succeeded

**Tester Comments:** The output displays the peak hours of

visitors visiting the branch.