**TDG**

**Flow 1: (Dictionary Upload [Meta Data])**

Upload Dictionary

Validate Dictionary

DB2

My SQL

Oracle

TDG Data Base

Yes No

**Validate Dictionary:** In this phase, all the column names, table names and credentials of target DB will get validate (whether respective column, table are exist in DB or not). User will get message as success or fail based on validation.

**Flow 2: (Data Generation Process Diagrams)**

TDG Data Base

Get Data

Read Data for GUI

Oracle

DB2

My SQL

Process to Generate GUI

1. Give the required fields values (meta data).

Manual Input Data

1. Enter the Generate records count and do process.

Trace a request whether fail or success

Process to generate data

If generation is successful then history will get entry in TDG database.

**Flow 3: (Processing Data Generation [Technical flow])**

Start

Get stored data & input data to dump data into DB

TDG Engine Respective DBs

Generating the data, based on all input criteria’s and do dump data

Oracle

DB2

Generate Primary keys based on dictionary passed values or else take max+1 value from DB of the table

Generate unique key values if input data not passing (not null constraint or unique constraint) or else have suffix random value to passed one.

Manual Dictionary Data (if exist)

Arranging the tables in sequence based on relationship (primary, foreign keys)

Get all tables from DB using dictionary data

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Read all required data Processing data Dump data into DB