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| , RD Dep.  **introduction to dwh and etl** |
| BUSINESS LAYER DIMENSIONAL MODEL |

# Analytical task – DM

1. Based on the model built in 3nf, design dimensional layer (no need to think about exact physical structure for the moment).

Check that you have added all **required** columns in you dimensions and facts (only those that are needed, check with Naming\_Conventions.docx):

As example

* SURR\_ID
* SRC\_ID
* START\_DT
* END\_DT
* IS\_ACTIVE
* INSERT\_DT
* UPDATE\_DT
* etc

1. Since the DATE dimension is considered to be a unique and special dimension, it will not be populated from the normalized layer like other dimensions. Instead, it needs to be populated only once in its lifetime. Your task is to create a script for the DIM\_DATES table and populate it with the necessary data.
2. Describe all your metrics.

Add at least one calculated metric to the fact table, based on the metrics you have (as example: ONE FCT COST/PRICE+SALES+QUANTITY).

# Results

Result of this lab work should be:

1. Update chapter in document (3. BUSINESS LAYER DIMENSIONAL MODEL) with the dimensional model.
2. Provide SQL script for creating DIM\_DATES.
3. Under the DM diagram, describe all your metrics.