### **TEMA: L3. Analytical Integration Model: Implementare OLAP views**

### Indicativ\_echipa: **SIA\_12**

Analiza datelor afacerii in primul an de la infiintare.

* **OLAP Fact View:**
  + **OLAP\_FACTS\_SALES\_AMOUNT –** reprezinta totalul vanzarilor in primul de an de infiintare. Aceasta analiza ia in calcul cantitatile vandute, calculand alaturi de acestea impreuna cu pretul pe unitate si detaliat pentru fiecare utilizator si pentru fiecare produs.
    - **Surse de date:**
      * HMS\_ORDERS [from .json file in SQL]
      * HMS\_ORDER\_ITEMS [from .json file in SQL]
      * HMS\_PRODUCTS [din .xlsx in SQL]
    - DDL SQL:

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* **OLAP Dimension View:**
  + **OLAP\_DIM\_ORDER\_CATEGORY**

Nivel de agregare: Customer\_id -> Order\_id -> order\_item\_id -> Category\_id/name

* + - **Surse de date:**
      * HMS\_USERS [SQL]
      * HMS\_ORDERS [from .json file in SQL]
      * HMS\_ORDER\_ITEMS [from .json file in SQL]
      * HMS\_CATEGORIES [din .csv in SQL]
    - **DDL SQL:**

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* + **OLAP\_DIM\_ORDER\_CITY**

Nivel de agregare: Customer\_id -> Order\_id -> city\_id/name

* + - **Surse de date:**
      * HMS\_USERS\_VIEW [SQL]
      * HMS\_CITIES\_VIEW [from .xml file in SQL]
      * HMS\_ORDER\_VIEW [from .xlsx file in SQL]
    - **DDL SQL:**

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* + **OLAP\_DIM\_CUST\_ORDER\_TRANSPORTATION**

Nivel de agregare: Customer\_id -> Order\_id -> transportation\_id

* + - **Surse de date:**
      * HMS\_ORDERS [from .json file in SQL]
      * HMS\_TRANSPORTATION\_VIEW [from .xml file in SQL]
    - **DDL SQL:**

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* + **OLAP\_DIM\_CUSTOMER\_ORDER\_ITEM\_FEEDBACK\_POSITIVE**

Nivel de agregare: Customer\_id -> Order\_id -> Feedback\_id

* + - **Surse de date:**
      * HMS\_ORDERS [from .json file in SQL]
      * HMS\_TRANSPORTATION\_VIEW [from .xml file in SQL]
    - **DDL SQL:**

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* **OLAP Analytical View: OLAP\_VIEW\_TOTAL\_SALES\_CITIES**

Nivel de agregare: Customer\_id -> Order\_id -> Feedback\_id

* + - **Surse de date:**
      * HMS\_ORDERS [from .json file in SQL]
      * HMS\_TRANSPORTATION\_VIEW [from .xml file in SQL]
    - **DDL SQL:**

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* **OLAP Analytical View: OLAP\_VIEW\_ORDER\_CATEGORY**

Nivel de agregare: Customer\_ID/Category\_Name/Sales\_Amount

* + - **Surse de date:**
      * HMS\_ORDERS [from .json file in SQL]
      * HMS\_TRANSPORTATION\_VIEW [from .xml file in SQL]
    - **DDL SQL:**

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