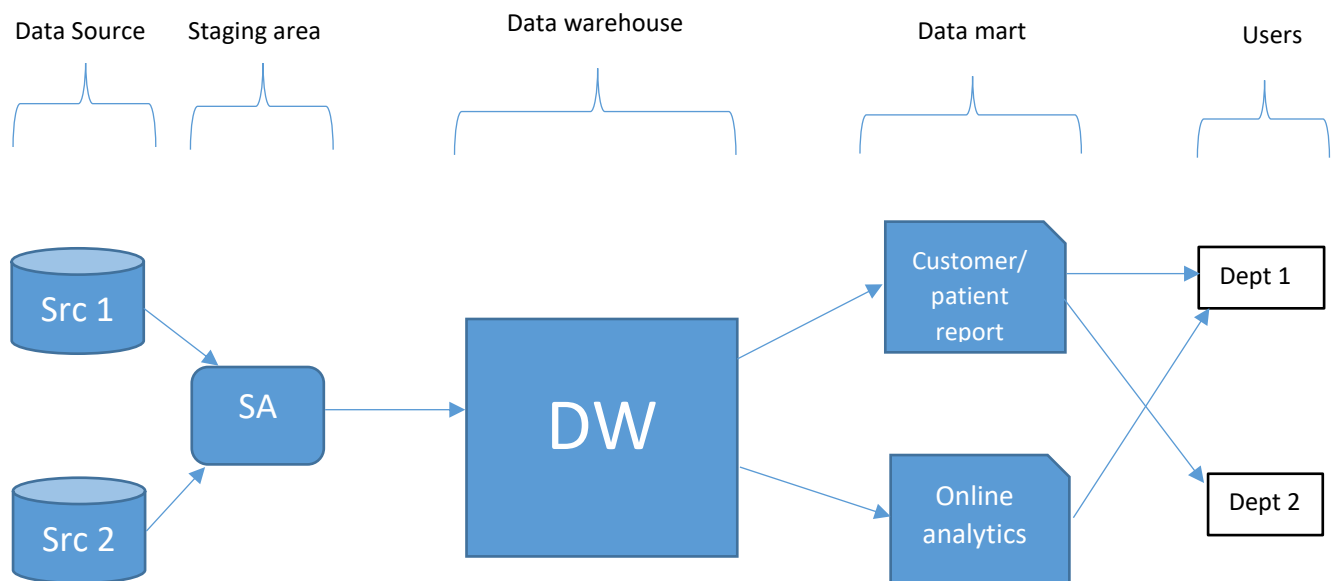**Business Use Case: E.g** To improve a certain business and reporting processes for easy decision making. A case study of company …….

Acronyms:
Src – Data Source
SA – Staging Area
DW – Data Ware house

Data Source   Staging area   Data warehouse   Data mart   Users

Key Themes:

1. **Data Source:**
   - Database with tables coming from source 1 and source 2
   - Tables PK and FK may assume to have different PK and FK codes, even with missing or accurate data.
2. **Data Staging Area:**
   - Staging area for ETL processes
     e.g Create collection and transformation processes : 1) merging of two tables. (2) data transformations.
3. **Data Warehouse creation:**
   - Applied STAR methodology to create the DW since the method is scalable.
   - Create Fact table, and related dimensions such as patients or customer, priority, time, and location.
4. **Reporting, analytics, and visualisations:**
   - Build a report or analytics/predictions from Data Warehouse datasets using reporting tools such as SSR tools, c#, and .net, ml model, python, power bi, azure etc