

# HospitalDW Documentation

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# Introduction to the project

The “[HospitalDW](#)” is advanced data warehouse for “[HospitalDB](#)” project , The database using for hospital management system.

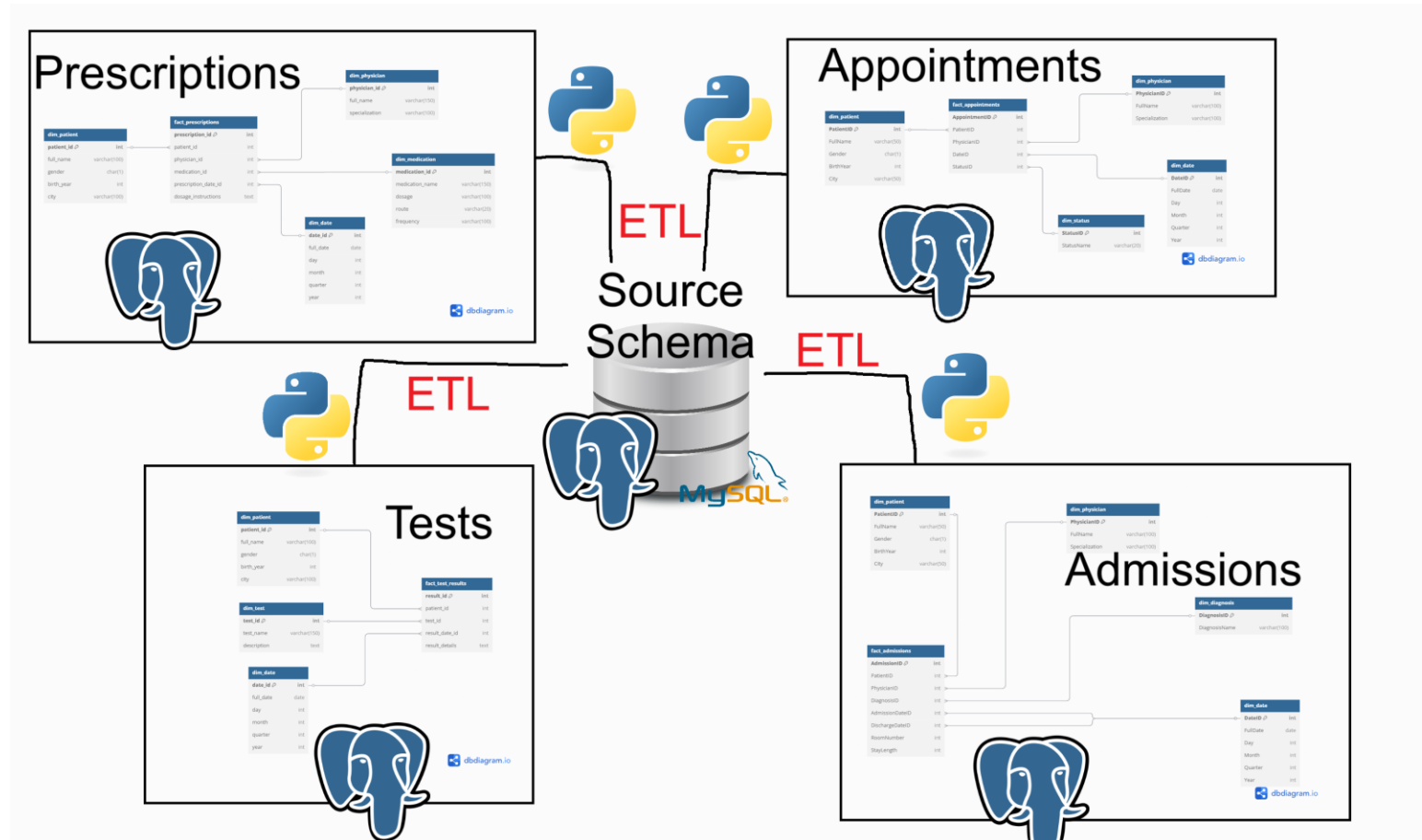
The [HospitalDB](#) is a final project for course “Fundamentals of Databases 502372-3” in “Taif University”.

# Project Requirements

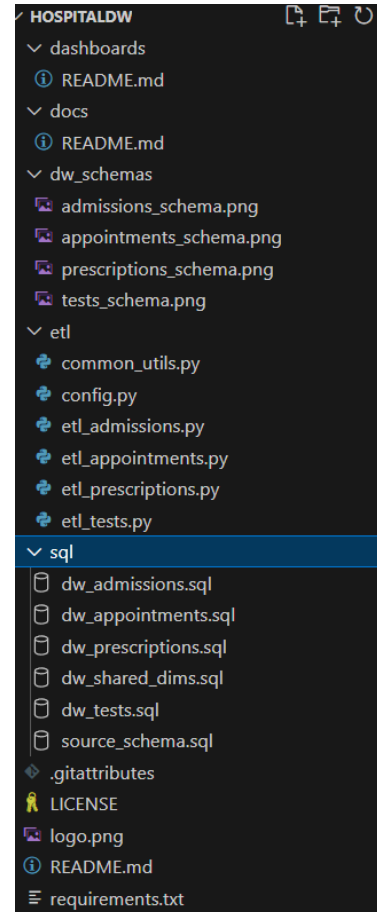
## Project Requirements

- [PostgreSQL](#) : A RDBMS system to make and management a relational databases.
- [Python](#) : Famous high-level programming language . I used it in project to ETL processing.
- [Power BI](#) : Strong bi/data visualization/business intelligence tool created by microsoft.

# Schema for the project



# Project Structure files



# Objective

- The HospitalDW project aims to design and implement a data warehouse system for a HospitalDB.

a database used for hospital management system, integrating data from multiple PostgreSQL , prescriptions, appointments, tests, and admissions. To into a central MySQL schema. And using python programming language in ETL Processing .

## The Project is About :

- Integrate the data into a unified data model as a data warehouse .
- Enable querying-reporting-analysis to multiple various healthcare and hospitals domains
- Support decision-making by transforming raw transaction data into structured, multidimensional models (fact tables and dimensions). - Visualization and make a data diagrams with business intelligence tools (such as Tableau- Microsoft Power BI) to generate useful and great visual dashboards.