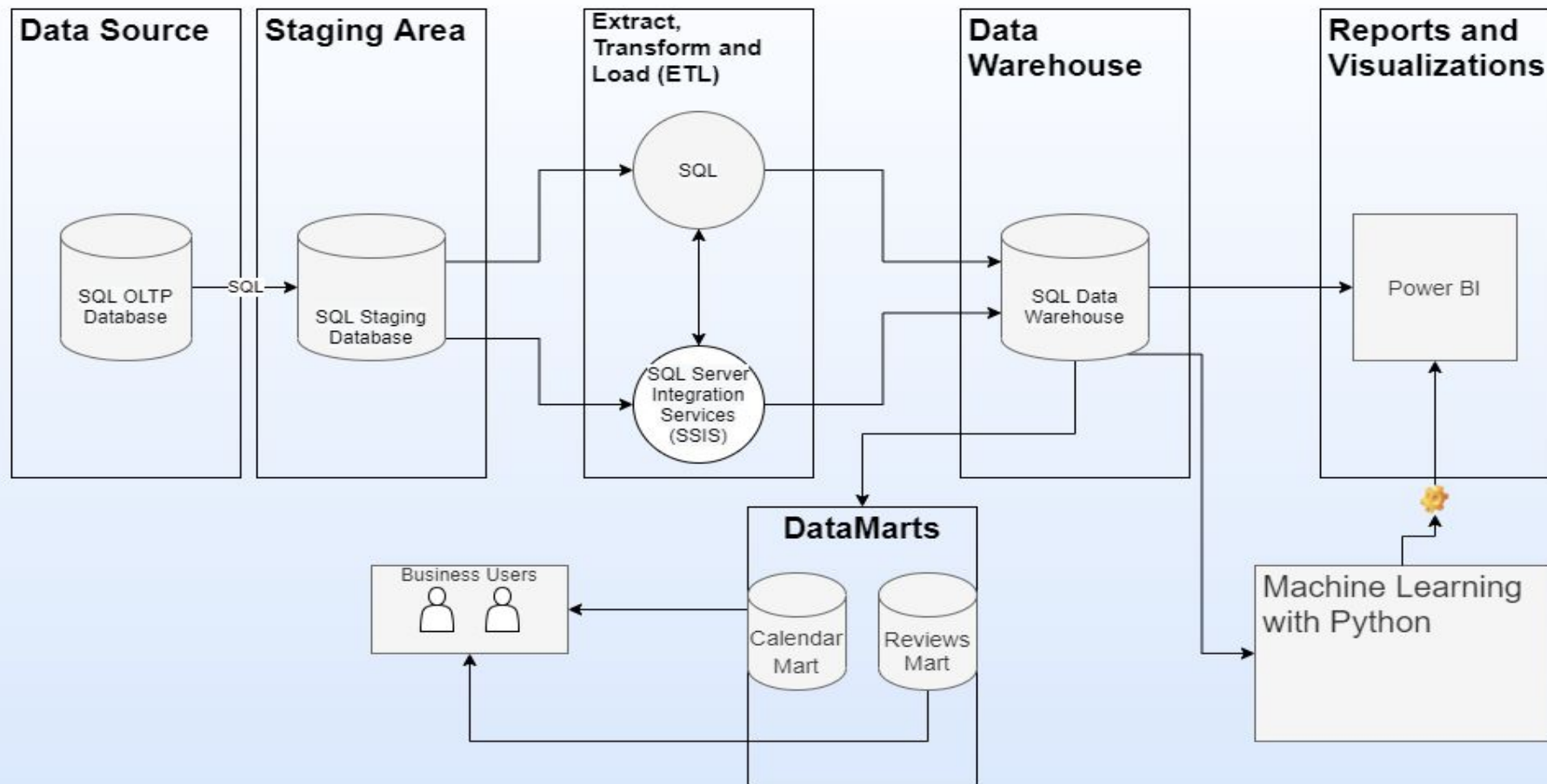




# BI System Architecture

Business Intelligence & Analytics  
Project Future 5  
Team 7

# BI Architecture



## Appendix

- Data Source: OLTP system provided from the business
  - Processed by 1NF on the LTP system
- Staging Area: intermediate storage area between the OLTP and DW databases used for data processing during the (ETL) process.
- ETL process: Extract, Transform and Load Data to the final Data Warehouse
- Data Warehouse: Transformed Data that are loaded in a Database
- Data Marts: Two Data Marts (separate databases) for two different business departments
- Machine Learning: Train on our data to associate properties' attributes with price (property-price model) to provide price based information
- Reports & Visualizations: Provide Data from Python and Data Warehouse in PowerBI to generate live analytics dashboards