

# **Project Requirements**

AZRetail DWH

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### Functional Requirements (*Features*)

<i>NO.</i>	<i>REQUIREMENT</i>	<i>PRIORITY</i>
1	Business users should be able to look at results, which are defined as Total Sales per order summed by slices; Product Hierarchy and Store Hierarchy. Results should be available for each quarter for both products, division and store.	HIGH
2	Business users need to look at results (defined above) for the previous year and same quarter.	HIGH
3	Business users need to look at sales YTD.	MEDIUM
4	Business users need to be able to look at historic sales per state and slice by: Product, product category, Division and Store.	HIGH
5	The reports and dashboards will have an easy-to-use and clear design.	MEDIUM
6	Business users want to be able to make their own reports and dashboards in the Power BI App.	LOW
7	Business users should be able to perform ad-hoc reports on FactOrders.	LOW

Non-Functional Requirements (*Hardware/Security, etc.*)

<i>NO.</i>	<i>REQUIREMENT</i>
1	If the nightly ETL fails, due to a power failure or other malfunction, there should be no data loss.
2	The data warehouse needs to be backed-up offline daily.
3	Results of ETL and processes need to be logged in a separate database.
4	There are a few “Power Users” like analysts who must have direct query (MDX/DAX) access.
5	Daily ETL must not occur before midnight, but can occur anytime between midnight and 4 A.M.
6	Some users can see data from only their store, while others can see all stores, or just stores in their district.
7	Sensitive data can only be viewed by upper-management.
8	Reports and queries should take no more than 30 seconds to complete.
9	Microsoft SQL Server should be used end-to-end. User should be able to access warehouse resources with single sign-on.