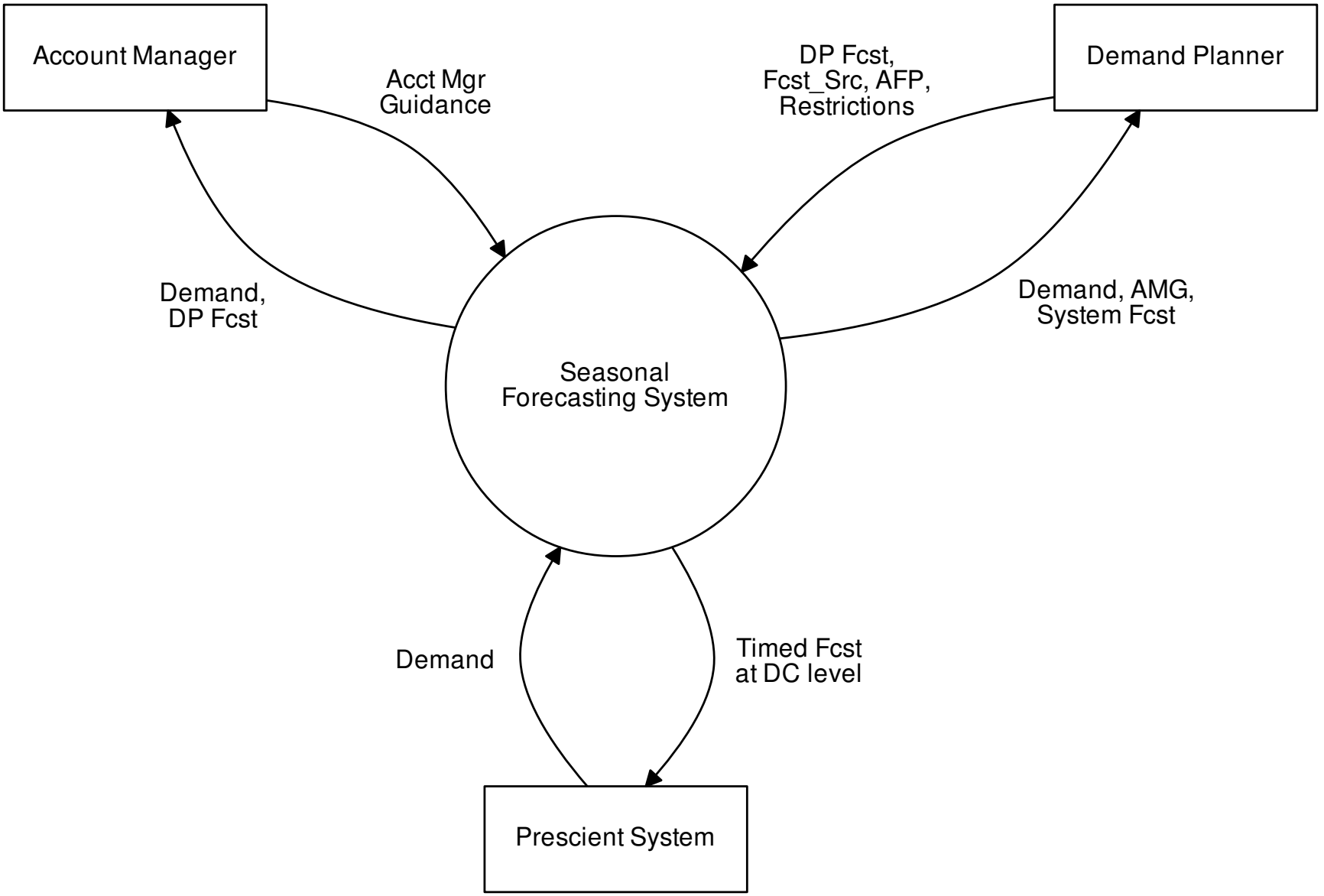
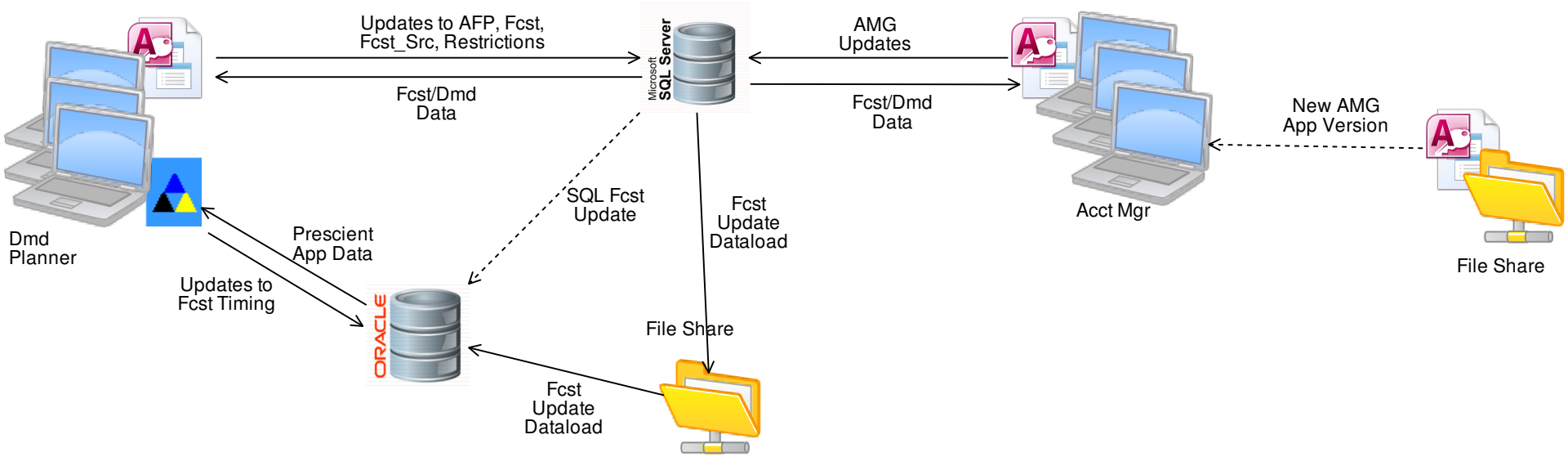
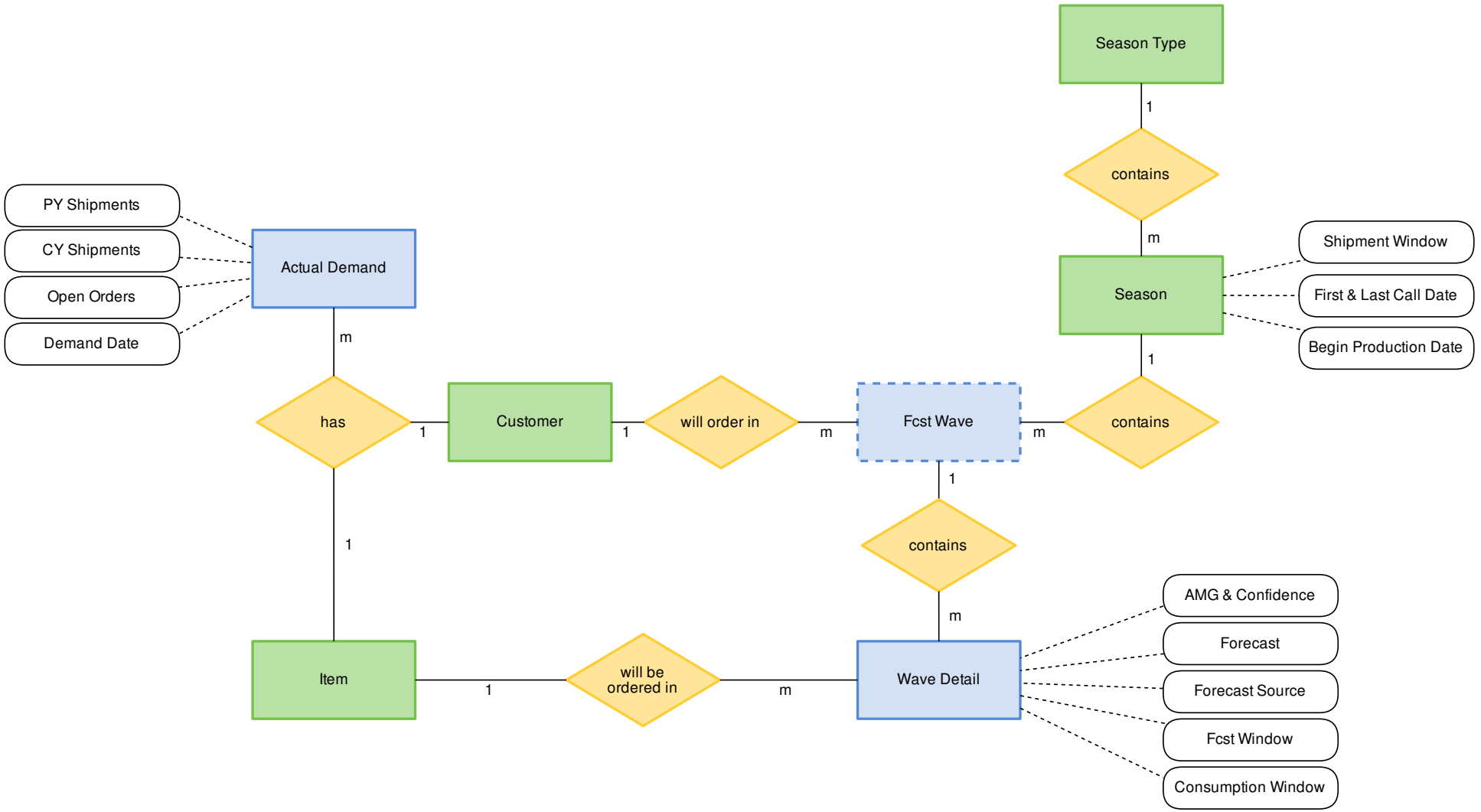
Seasonal Forecasting System - Context Diagram



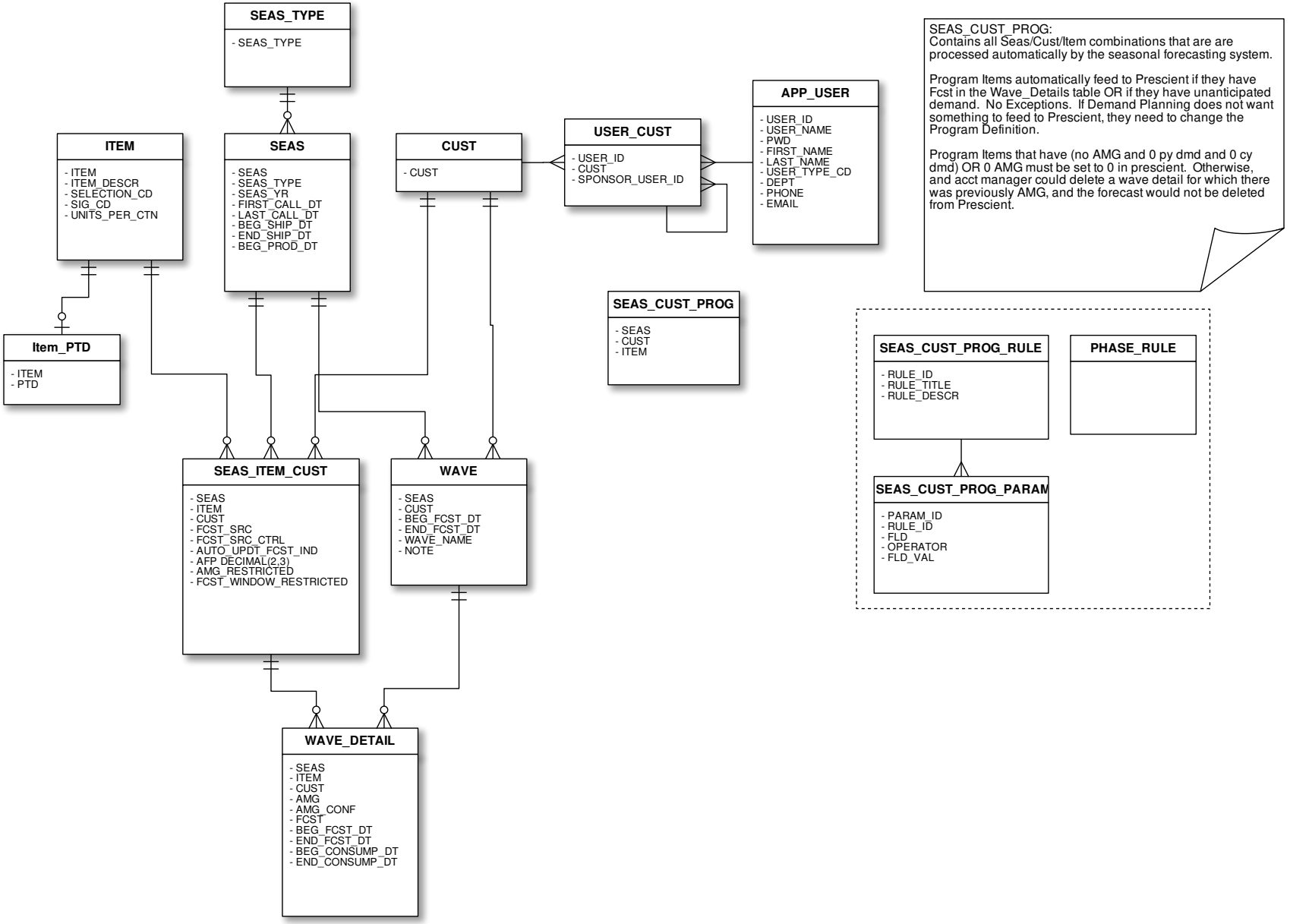
Seasonal Forecasting System - System View



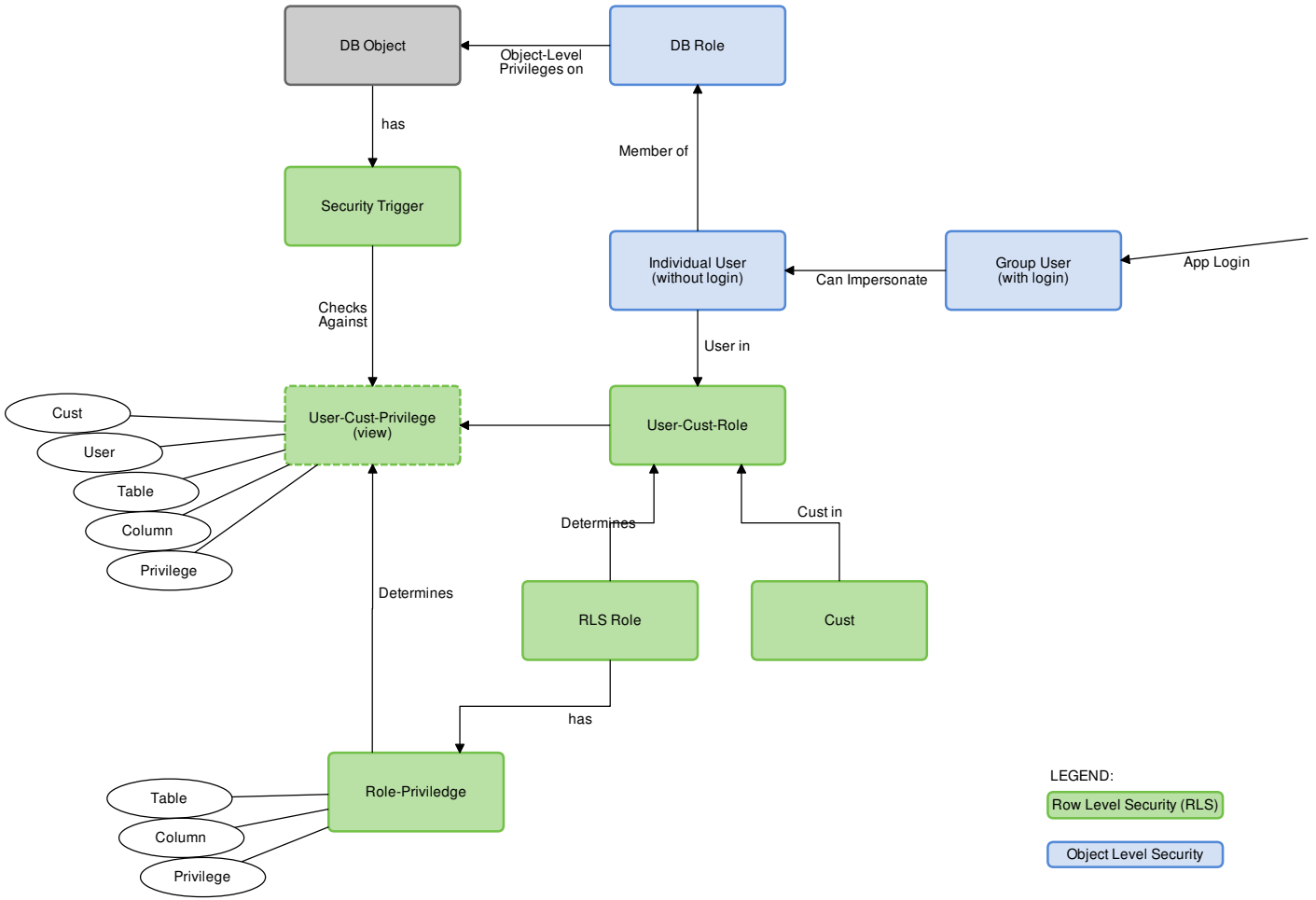
Seasonal Forecasting System - ERD



Seasonal Forecasting System - Logical Data Model



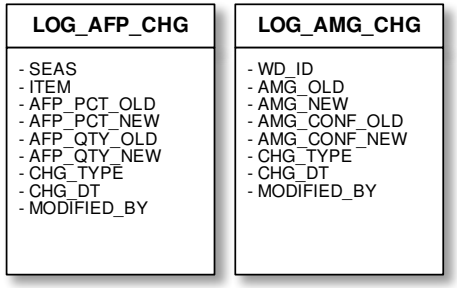
Seasonal Forecasting System - Security Scheme



New User Process:
- CREATE USER <USER> WITHOUT LOGIN
- ALTER ROLE <ROLE> ADD MEMBER <USER>
- GRANT IMPERSONATE ON USER::<USER> TO <GROUP_USER>
- INSERT USER_CUST_ROLE VALUES (<USER>,<CUST>,<ROLE>)

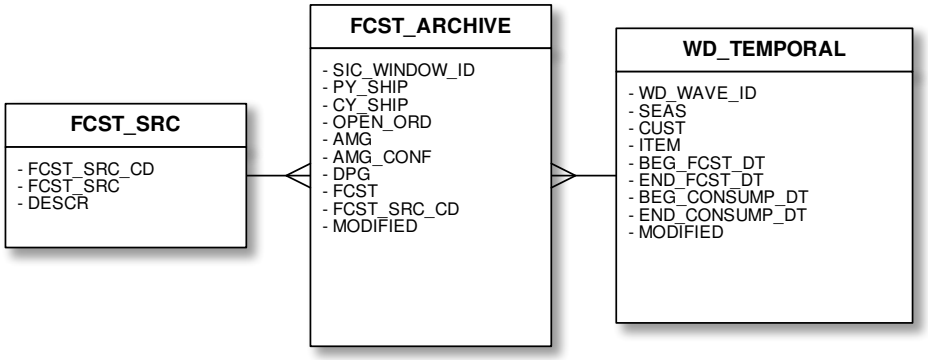
Seasonal Forecasting System - Archiving

Audit Logs: Record who and when



- Augit Logs are updated each time the data changes. Multiple changes to the same data point can be recorded in the same day.
- Logging is executed inside table triggers.

Snapshot Log: Records daily snapshot of changed records



- Snapshot Log and Wave Detail Temporal are daily snapshots of changes.
- They are updated via a stored procedure run once daily.
- Stored Proc checks the most recent records in these tables against the existing "most current" data, and adds records if there are changes to demand, DPG, AMG, or FCST.
- Used primarily for measuring accuracy and trends over time.