First I speak about my project.

- My project name is Argos Retail Domain, client name Albertsons from United States.
- They have massive network connection through retailers, stockist etc.

Here we have heterogeneous sources some are in flat file and DB. (A Flat File database is also known as the text database.)

- Once it is landed in to root folder of landing area, from that point actual ETL mechanism is going to start to check the naming convention of file, time stamp and perform Meta-Data validation for name of attribute, data type, size and constraints.
- Once it meet the all the requirement then it moves to the standardization table, at the same time one copy send to archive folder for future references (Up to 30 days).
- If it is not meet our requirements then the data's are move to reject folder, from that we sent back to respective sources with error description by email triggering system.
- Whatever data present in the standardization table it move to the staging layer where we can Cleansing the data and apply the business logic. (Business Rules).

- Now data's are loaded into data ware layer.

Now data are loaded in to data warehouse, where we can perform the data validations such as

1. Compare the record count between source and target,
2. Make ensure that any duplicate values populated in target or not
3. Make ensure that any NULL values populated in target or not.
4. We perform column mapping using minus query, we make sure that the expected data loaded into target as per requirement. Then we expect the zero rows return.

- And also done the SCD type 2 validation for initial and incremental load.
- And also validate that data's according to business logics.
- Based on specific subject oriented, data's are stored separately in data mart layer.

Based on specific subject oriented, data′s are stored separately is called **data mart layer.**