

Functional Requirements

- The application must be able to parse CSV files.
 - The data should be parsed from the CSV file without losing it's semantics.
- The application must be able to store the data from CSV files in a staging store.
 - The data from the CSV file should be stored in the Staging table (with the relevant columns)
- The application must be able to process the Staging store data so that bi-temporal historization possible.
 - Implication of business date (Valid From and Valid Until) on the records at a business context in the customer business table..
 - Implication of business date (Valid From and Valid Until) and technical date (Changed on) in the customer technical table
- The application must be able to handle correction of data.
 - The application should handle insertion of new records so that a bi-temporal historization.
 - The application should handle deletion of records so that a bi-temporal historization.
 - The application should handle updation of records so that a bi-temporal historization.
 - The application should handle the correction of existing data (data before six months). Inserted the wrong data before six months and that data needs to be corrected now.
 - The application should be produce the same result now set as produced six months ago.
- The application must be able to visualise the data.
 - The application should provide two kinds of views : current view and historical view.
 - Current view should produce the active result set , required by the business users.
 - Historical view should produce the complete result set , with all tracks of correction and updation on data, to analyse the data history (when and which data has been corrected over time).
 - Pie chart or bar graph representation (Any Diagrammatic representation).

Non Functional/Quality Requirements

- Optimum performance (Good response times)
- Availability
- Security
- Usability and intuitive.
- Maintainability
- Portability
- Testability