DREMIO BUSINESS INSIGHT

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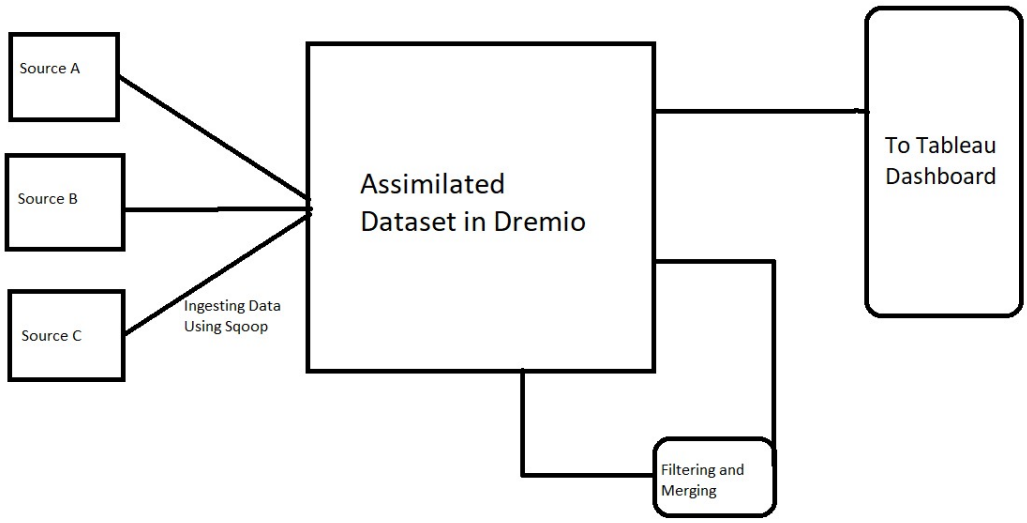
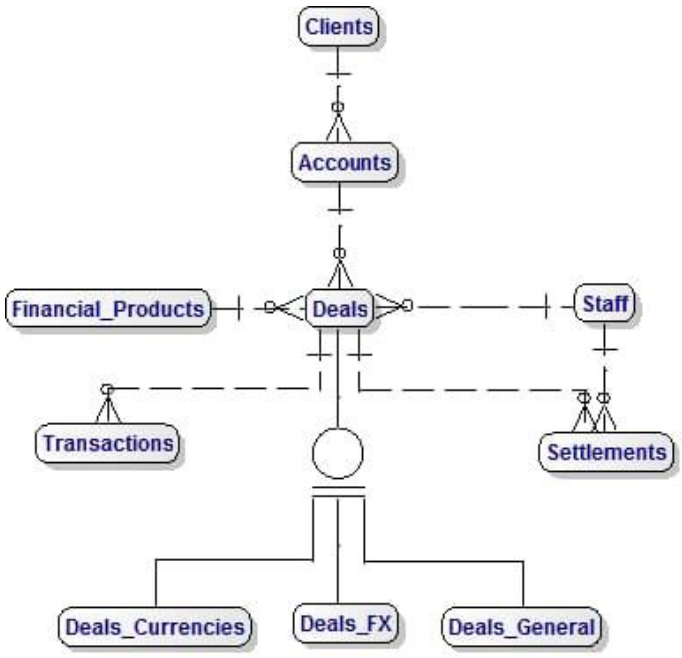
To compile data given to them in different formats into a single format, and then analyze the data, and come up with innovative insights to speed up the business process and make it more efficient.

Data Structures and Logical Data Models

Data Structures and Logical Model

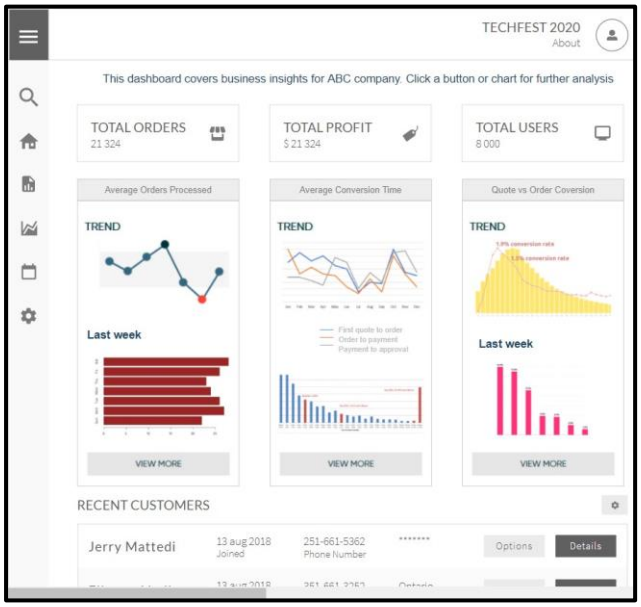


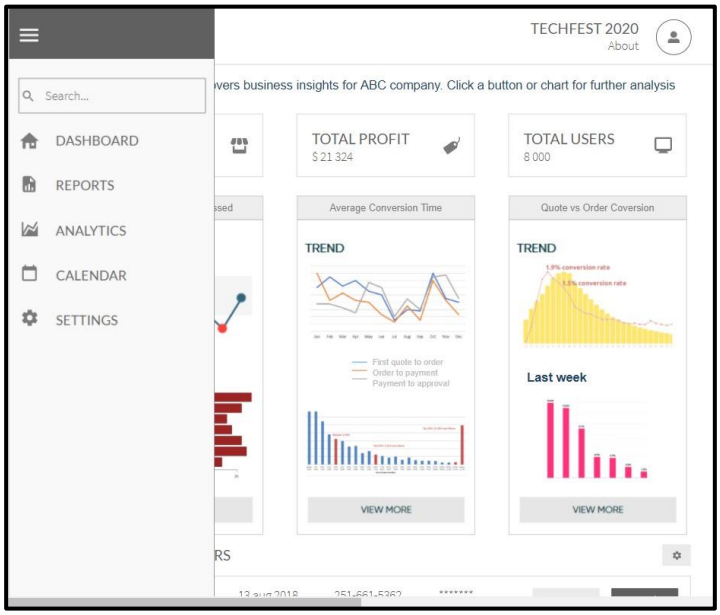


Front-end mockups and Dashboards

Front-end mockups

Home page view gives a quick glance of insights that can help in aiding company's performance and persistence to deliver bottleneck free service.





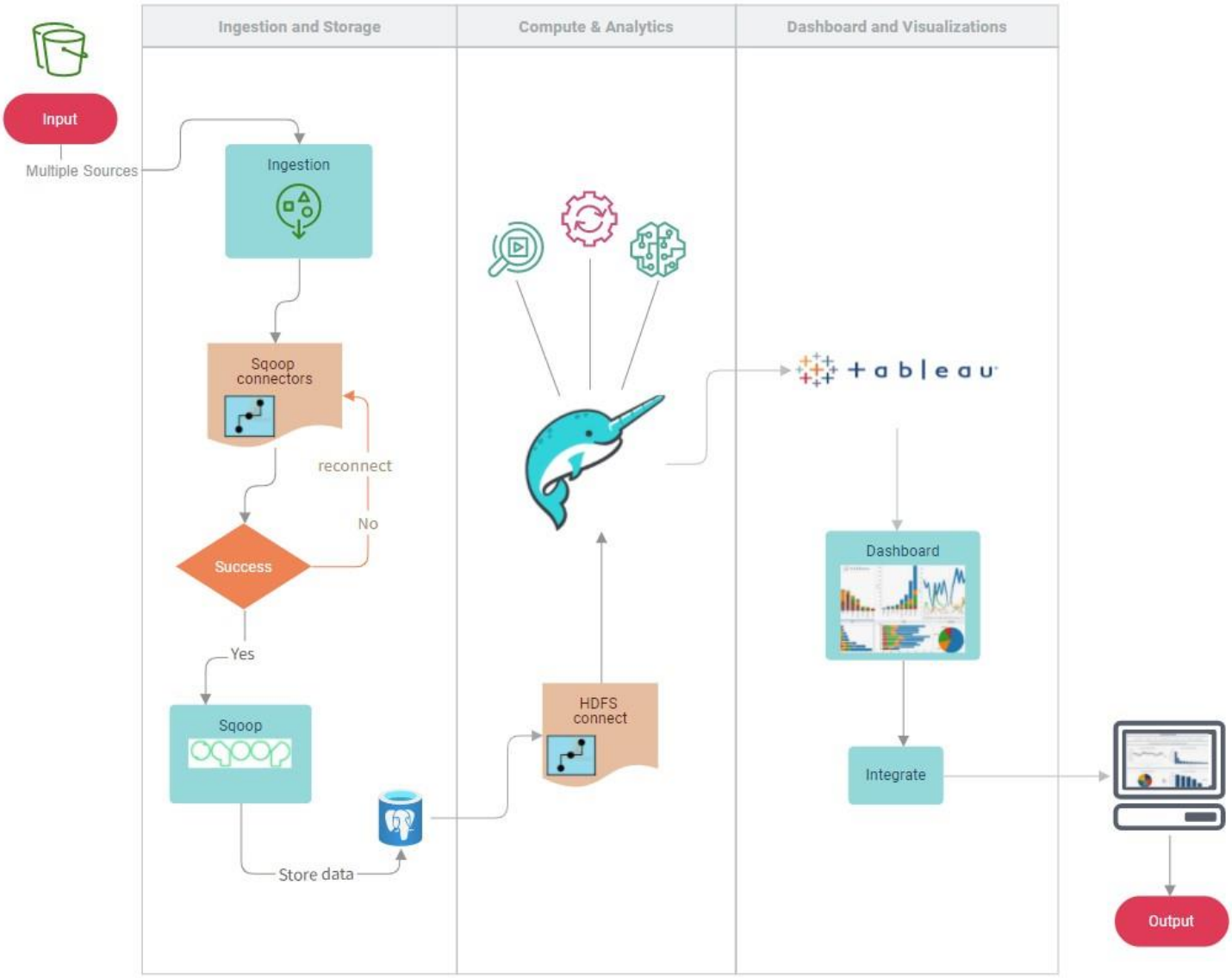
To have a detailed summary user can click 'View More' option. Users can interact with dashboard.

Technology Stack

- Sqoop
- Hadoop
- Dremio
- Tableau
- ODBC driver
- Sqoop connectors for various sources
- Tableau JavaScript api/ iframe + Tableau share link/ Tableau embed code

- HTML, CSS, JavaScript
- Python, Flask

Process Flow/ Blueprint



1. Sqoop transfers bulk data from multiple sources to a Hadoop system.
2. Dremio can then connect it using HDFS connector to initiate interactive queries directly on cloud data lake storage.
3. With all the previous steps done, we can now connect Tableau to Dremio using ODBC driver and visualize useful insights.
4. Dashboards made in previous steps can be embedded in HTML and can be controlled more effectively using Tableau JavaScript api.