Project Title: ETL for Data Load Reconciliation

Project Overview:

The "ETL for Data Load Reconciliation" project aims to automate the reconciliation process between source systems and a target database. It involves data extraction, validation, reporting, and automated notifications to ensure data integrity.

Databases:

Source Systems:

1. Oracle Database:

• Schema

• Tables

• Data Extraction Method

2. MySQL Database:

• Schema

• Tables

• Data Extraction Method

Target Database:

• Microsoft SQL Server:

• Schema

• Tables

• Data Loading Method

Notification API:

• Email: Automated email notifications are sent using [Email API/Service].

Project Workflow:

1. Data Extraction: Data is extracted from source systems

2. Data Validation: Validation rules are applied using [Validation APIs].

3. Error Handling: Erroneous data is stored in error and exception tables.

4. Reconciliation: Row count and value-based reconciliation is performed.

5. Report Generation: Reconciliation reports are generated.

6. Automated Notifications: Email notifications are sent via [Email API/Service] when discrepancies are detected.