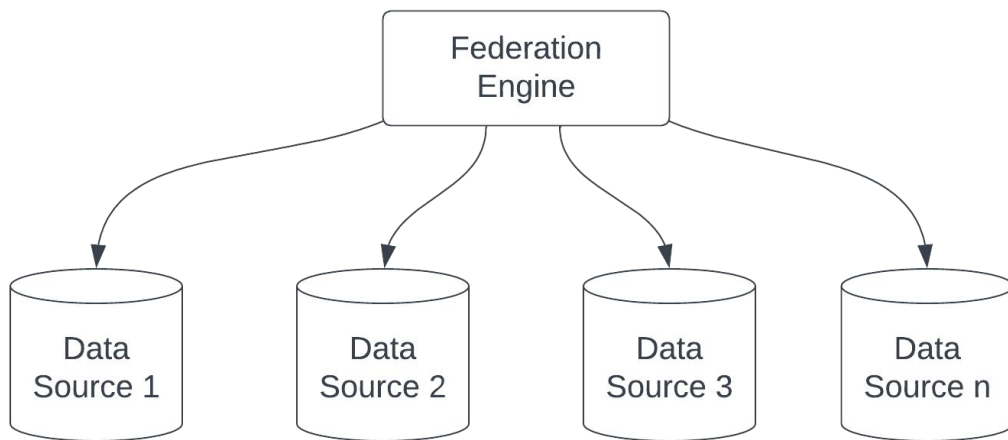# Class 11 Final Project

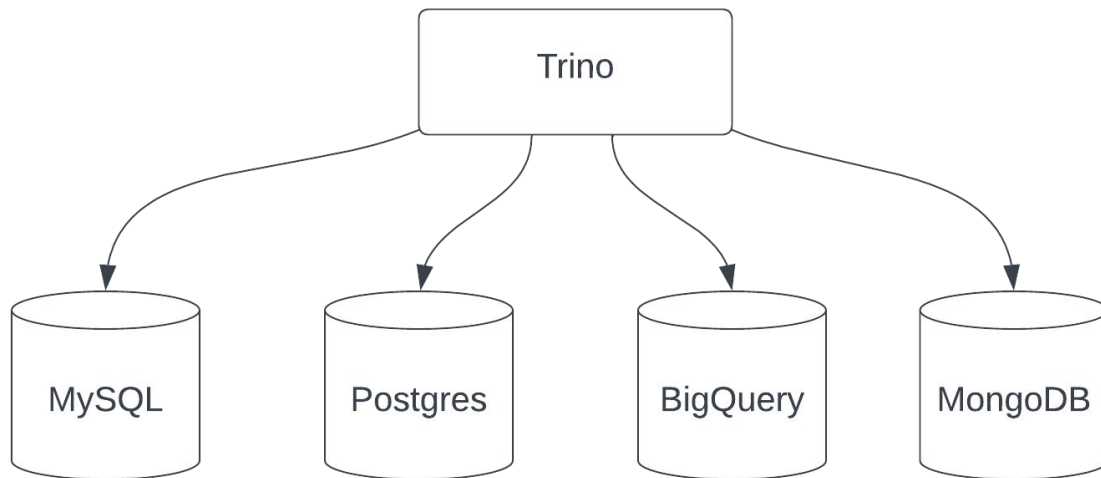## Elements of Databases

Nov 17, 2023

Problem Space

- Data is siloed across my multiple database and file systems
- Replicating data into a warehouse or lake is both time consuming and expensive
- Moving from one query language to another is also expensive and time consuming
- There is a growing desire and push to simplify the data landscape

Query Federation

- Single interface

- Dialect mapping

- Type mapping

- Predicate pushdowns

Query Federation

Trino

MySQL   Postgres   BigQuery   MongoDB

- Single interface

- Dialect mapping

- Type mapping

- Predicate pushdowns

Trino documentation: https://trino.io/docs/current

Next Steps

- Two milestones: [Milestone 1](#) and Milestone 2
- Work collaboratively with your partner
- Work independently as a team
- We're here to guide you, not co-develop
- We've assigned each group a [breakout room](#)
- Come to the main room if you get stuck and need help
- We will regroup ~3:45pm to share lessons learned