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IMT 577
23 April 2025

Project Schedule

APRIL

- 4/23/2025 – Project Planning
 - Scope – Explore data and potential visuals
 - Review business problem and BI system scope
 - Draft initial OKRs
- 5/1/2025 – Data Profiling & Source Data
 - Perform data profiling
 - Identify key fields to support business questions

MAY

- 5/7/2025 – Dimensional Data Model
 - Design a dimension data model for project
 - Create star schema and ERD
 - Define fact and dimension tables with surrogate keys
- 5/14/2025 – Loading dimension and fact tables
 - Load and transform source data into staging tables
 - Clean and prepare for dimensional load
 - Load final fact and dimension tables with unknown members
 - Validate integrity
- 5/21/2025 – Data Access Layer
 - Create secure SQL views (pass-through + analytical)
 - Begin query testing
 - Submit final data warehouse
- 5/27/2025 – Data Visualization and final insights
 - Build dashboards for Store 10 and 21, showcasing sales trends, bonus analysis, performance summary
 - Finalize insights and recommendation logic on store closures, expansion strategy
 - Submit individual BI solution and get peer feedback
- 5/31/2025 – Group Synthesis & Presentation preparation
 - Collaborate on team dashboard and presentation for final delivery

JUNE

- 4/6/2025 - Presenting Business Analysis and Recommendations