AZURE DATAWAREHOUSE PROJECT -ADV WORKS

Datafactory epics

Name	Progress
Designing of Architecture	1
Provision of Resources	1
Authentication & Permissions	1
Build Azure Data Factory Pipelines	1
Data Transformation in Databricks	1
Data Modelling in Synapse Analytics	1
Visualization and BI	1

Datalake Tasks

Project Epics	Tasks	Checkbox
Designing of Architecture	Understand Datasets	☑
Designing of Architecture	Design Data Architecture	☑
Designing of Architecture	Design Data Flow	☑
Designing of Architecture	Design Data Model	☑
Designing of Architecture	Design Intergration Model	☑

Project Epics	Tasks	Checkbox
Provision of Resources	Create Github Repository	☑
Provision of Resources	Create Resource Group	☑
Provision of Resources	Create Data Lake Storage Gen 2	☑
Provision of Resources	Create Containers: Bronze, Silver, Gold	☑
Authentication & Permissions	Create App Registrations	☑
Authentication & Permissions	Create Certificates and Secrets	☑
Authentication & Permissions	Assign Roles	☑
Build Azure Data Factory Pipelines	Create linked services (API, DataLake)	☑
Build Azure Data Factory Pipelines	Create parameters for flexible ingestion	☑
Build Azure Data Factory Pipelines	Upload parameterized JSON files to a config container	☑
Build Azure Data Factory Pipelines	Create pipeline activities: ForEach Activity, Lookup Activity, Copy Activity	☑
Data Transformation in Databricks	Create Workspace in Azure Databricks	☑
Data Transformation in Databricks	Read from bronze layer	☑
Data Transformation in Databricks	Clean and write to silver	☑
Data Modelling in Synapse Analytics	Create Synapse Workspace: Ensure Gen2 storage selection	☑
Data Modelling in Synapse Analytics	IAM Setup: Assign roles in Synapse & DataLake	☑
Data Modelling in Synapse Analytics	Create a Serverless SQL Pool	☑
Data Modelling in Synapse Analytics	Create Schema	☑
Data Modelling in Synapse Analytics	Read Data from Silver Layer	☑

Project Epics	Tasks	Checkbox
Data Modelling in Synapse Analytics	Create Views	☑
Data Modelling in Synapse Analytics	Create Credentials	☑
Data Modelling in Synapse Analytics	Setup External Data Source	☑
Data Modelling in Synapse Analytics	Setup External File Format	☑
Data Modelling in Synapse Analytics	Write Views to External Tables in Gold Layer in Datalake	☑
Visualization and BI	Create Connection to Power Bi	☑
Visualization and BI	Load Transform and Visualize Data	☑