Project Design Phase
Solution Architecture

Date	24 june 2025
Team ID	LTVIP2025TMID49786
Project Name	Visualizing Housing Market Trends An Analysis of Sale Prices and Features using Tableau
Maximum Marks	4 Marks

⬤ **Example - Solution Architecture Diagram:**

V/isuilizing Housing market Trends

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Goals

- Identify housing price trends and influencing features
- Present data-driven insights to stakeholders
- Enable easy data refresh, scalable analysis and secure access

Solution Components

Data Sources
- Real estate datasets (CSV/API)
- External APIs (for location, interest rate, damographics

ETL Process
- AWS Glue / Apache Airflow / Python scripts

Data Storage
- Raw Data: AMS AR/S RDS or Snowtlake

Data Visualization
- Tablau: Taualue Amazoun RDS (Auzore Blob)

Monitoring & Logging
- CloudWatch / StackDriver / Azure Monitor

CSV/API (hous/Ing) → ETL Proces Python/Glue) → CTalauɑi Dashoocess → End Users (Web)