

Project Design Phase-II

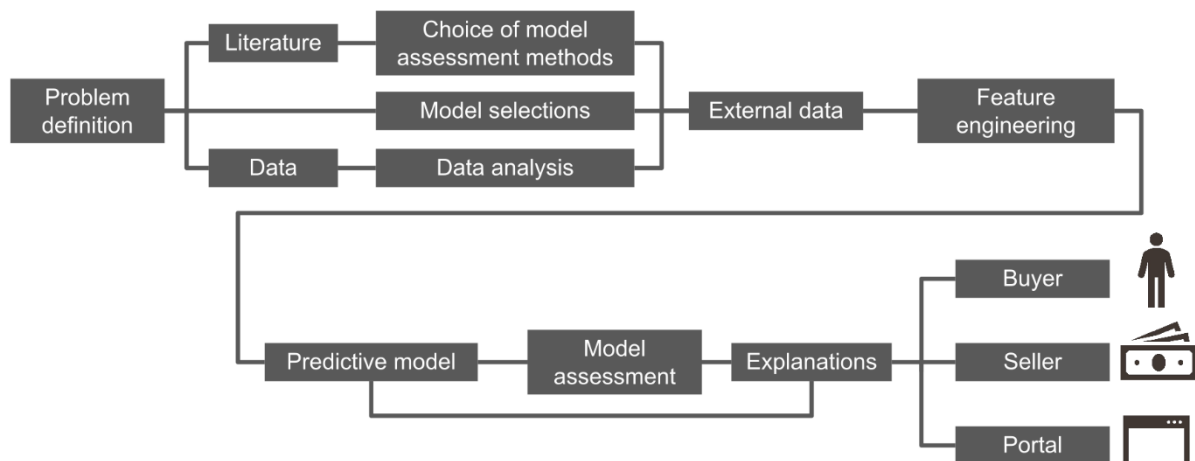
Data Flow Diagram & User Stories

Date	28 June 2025
Team Id	LTVIP2025TMID51430
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example:



User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Data Analyst	Data Collection	USN-1	As a data analyst, I want to gather comprehensive housing data from multiple sources.	Data is collected from MLS, public records, and other sources without errors.	High	Release 1.0
Data Engineer	Data Processing	USN-2	As a data engineer, I want to preprocess the data to remove inconsistencies.	Data is cleaned and transformed, with no missing or duplicate entries.	High	Release 1.0
Database Administrator	Data Storage	USN-3	As a database administrator, I want to ensure that the data is stored securely.	Data is stored in a structured database and is easily retrievable for analysis.	Medium	Release 1.0
Business User	Data Visualization	USN-4	As a business user, I want to visualize housing market trends in an interactive dashboard.	Dashboard displays key metrics and trends accurately and updates in real-time.	High	Release 1.1
Homebuyer	User Interaction	USN-5	As a homebuyer, I want to filter the dashboard by location and price range.	Users can apply filters and see updated results instantly on the dashboard.	High	Release 1.1
Real Estate Agent	Insights Generation	USN-6	As a real estate agent, I want to generate insights from the visualizations.	Insights are generated based on user interactions and are relevant to current trends.	Medium	Release 1.2