

## Project Design Phase-II

### Data Flow Diagram & User Stories

Date	15 July 2025
Team ID	PNT2025TMID09511
Project Name	Visualizing Housing Market Trends
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: DFD Levels ( Visualizing Housing Market Trends)-



## User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer	Upload Housing Data	USN-1	As a user, I can upload CSV files containing housing market data.	File successfully uploaded and previewed.	High	Sprint-1
Customer	Fetch Data From API	USN-2	As a user, I can fetch housing data from external APIs.	Data is successfully fetched and displayed.	Medium	Sprint-2
Customer	Clean & Process Data	USN-3	As a user, I can apply filters & transformation to clean raw data.	Data is properly cleaned (e.g., missing values handled).	High	Sprint-2
Customer	View Visualizations	USN-4	As a user, I can view housing market trends through interactive graphs and charts.	Dashboard is visible with visualized KPIs.	High	Sprint-2
Customer	Save & Export Reports	USN-5	As a user, I can download the generated reports in PDF/CSV format.	File is downloaded with relevant charts/data.	Medium	Sprint-3
Admin	Manage Users	USN-6	As an admin, I can view and manage registered users.	Admin can see user list, delete or deactivate accounts	Low	Sprint-3
Customer	Dashboard Filtering	USN-7	As a user, I can filter the dashboard results by city, price range, or year.	Charts update dynamically with selected filters.	High	Sprint-2
Admin	View Usage Analytics	USN-8	As a admin , I can view how many users are using each feature.	Graph of feature usage is visible.	Low	Sprint-3