

Project Design Phase-II

Data Flow Diagram & User Stories

Date: 3rd July 2025

Team ID: LTVIP2025TMID48488

Project Name: Housing Visualization Analysis Trend

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: Housing Visualization Dashboard DFD (Level-0 Description)

- External Entity: User (Home Buyer / Analyst)
- Processes:
 1. Load Housing Dataset
 2. Filter/Visualize Trends
 3. Export Insights
- Data Stores:
 - Raw Housing Data (CSV/Excel/Database)
 - Filtered Trends
- Outputs:
 - Visualization Charts
 - Downloaded Reports

User Stories

User Type	Functional Requirement	Story No.	User Story / Task	Acceptance Criteria
Dashboard User	Registration	USN-1	Register with email, password	Access dashboard
		USN-2	Receive confirmation email	Confirm email

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	Login	USN-3	Login with credentials	Access dashboard
	Explore Trends	USN-4	Filter trends by city/year	Filtered charts shown
	Export Insights	USN-5	Download PDF/Excel report	File downloaded correc
Admin / Analyst	Data Upload	USN-6	Upload housing data	Dataset processed
	Predictive View	USN-7	Enable ML trend view	Projected graphs displa