

Project Design Phase-II

Data Flow Diagram & User Stories

Date: 20 June 2025

Team ID: LTVIP2025TMID55293

Project Name: HOUSE RENT APP USING MERN

Maximum Marks: 4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. It shows how data enters and leaves the system, what changes the information, and where data is stored.

The system includes modules for user authentication, property listings, tenant interactions, and administrative management.

User Stories

| User Type | Functional Requirement (Epic) | User Story # | User Story / Task | Acceptance Criteria | Priority / Release |
|-----------------|-------------------------------|--------------|--|-------------------------------|--------------------|
| Client/customer | Registration | USN-1 | As a user, I can register with email and password. | I can access my dashboard | High / Sprint-1 |
| Client | Login | USN-2 | As a client/user, I log in using email and password | I can access my dashboard | High / Sprint-1 |
| Client | Project Posting | USN-4 | As a client, I can post a new property with a detailed description | Property visible to the users | High / Sprint-1 |
| Client | Project management | USN-5 | As a client, I can review tenant interests on my properties | I can accept/reject a request | High / Sprint-2 |

| | | | | | |
|--------|------------------------|--------|--|---------------------------------|-------------------|
| Client | Communication | USN-6 | As a client, I can communicate with tenants | Messages sent and received | High / Sprint-2 |
| Client | Review/feedback | USN-7 | As a client, I can review a booking | I can provide feedback | Medium / Sprint-3 |
| Tenant | Registration /login | USN-8 | As a tenant, I can register and log in using email and password. | Access to property dashboard | High / Sprint-1 |
| Tenant | Profile management | USN-9 | As a tenant, I can update profile with preferences | Profile is updated | High / Sprint-2 |
| Tenant | Property browse/apply | USN-10 | As a tenant, I can browse and request property bookings | Booking request is submitted | High / Sprint-2 |
| Tenant | Booking confirmation | USN-11 | As a tenant, I get confirmation for accepted bookings | Confirmation message shown | High / Sprint-3 |
| Admin | Admin dashboard | USN-12 | As an admin, I can manage all users, listings, and transactions | Admin controls all backend data | High / Sprint-4 |
| Admin | Oversight & Management | USN-13 | As an admin, I can suspend users, monitor listings, and resolve issues | Actions reflected across UI | Medium / Sprint-4 |