Project Design Phase-II Data Flow Diagram & User Stories

Date	26-05-2025
Team ID	LTVIP2025TMID56105
Project Name	HouseHunt: Finding Your Perfect Rental Home
Maximum Marks	4 Marks

☐ Data Flow Diagram (DFD) – HouseHunt

A Data Flow Diagram (DFD) for HouseHunt illustrates how different users—renters, property owners, and admins—interact with the system and how data moves across its core components. It provides a high-level overview of how information flows between user actions, system processes, and data storage.

☐ Key Elements Covered in the DFD:

User Interactions:

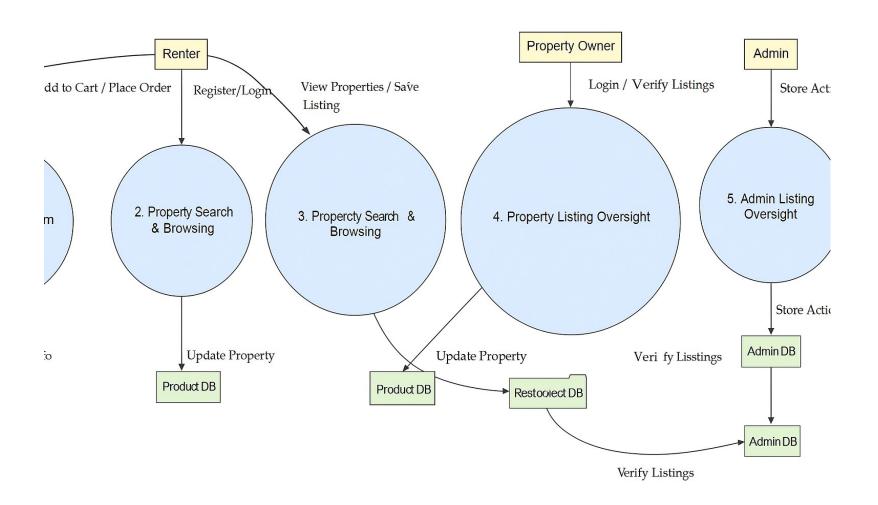
- o Renters can register/login, search properties, send booking inquiries, and manage saved listings.
- Property owners can register/login, add or update property listings, and respond to inquiries.
- Admins can log in, verify listings, manage user activity, and promote trusted properties.

Core Processes:

- User Authentication: Login and role-based access
- Property Search & Filter: Querying listings based on user filters
- Booking & Inquiry System: Sending and managing inquiry requests
- Listing Management: CRUD operations on rental properties by owners
- o Admin Controls: Approving listings, managing user roles, and promoting listings

Data Stores:

- Users Collection: Stores renter, owner, and admin accounts
- Properties Collection: Stores all property listings with details
- o Bookings Collection: Stores inquiries, messages, and booking status



User Stories

User Story Table – Freelance Finder

User Type	Functional Requirement (Epic)	User Story / Task	Acceptance Criteria	Priority	Release
Renter	User Authentication	As a renter, I can sign up and log in securely.	Account created and token issued on login.	High	Sprint- 1
Renter	Property Browsing	As a renter, I can view categories and browse rental listings.	Properties shown with categories on homepage.	High	Sprint- 1
Renter	Listing Viewing & Favorites	As a renter, I can view details and save listings to favorites.	Saved listings reflected in renter's dashboard.	High	Sprint- 2
Renter	Booking Inquiry	As a renter, I can send inquiries to property owners.	Inquiry saved and visible to both renter and owner.	High	Sprint- 2
Renter	Inquiry Tracking	As a renter, I can track responses to my inquiries.	Replies from owners shown in dashboard.	Mediu m	Sprint- 2
Property Owner	Dashboard Login	As an owner, I can log in and access my dashboard.	Redirected to dashboard with property list.	High	Sprint-
Property Owner	Property Management	As an owner, I can add/edit/delete rental properties.	Property data updates in database and reflects in listings.	High	Sprint-
Property Owner	Inquiry Management	As an owner, I can view and respond to rental inquiries.	Responses sent and shown in renter dashboard.	Mediu m	Sprint-
Admin	Admin Login	As an admin, I can log in and view all platform activity.	Admin dashboard loads with user and listing statistics.	High	Sprint-
Admin	Promote Listing	As an admin, I can promote listings to appear	Promoted listings are shown in "Featured"	Mediu	Sprint-

	on the homepage.	section on frontend.	m	4