

Data Flow Diagrams and User Stories

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Project Name: HouseHunt – Finding Your Perfect Rental Home

1. Data Flow Diagrams (DFDs)

1.1 DFD Level 0: Context Diagram

Description:

This diagram provides a high-level overview of the HouseHunt system. It shows the primary external entities (Buyers and Sellers) and how they interact with the system.

External Entities:

- Buyer (User)
- Seller (Admin)

System Interactions:

- Buyer can browse, search, book properties
- Seller can list, update, and manage properties

Diagram:

DFD Level 0: Context Diagram



1.2 DFD Level 1: Detailed Data Flow

Description:

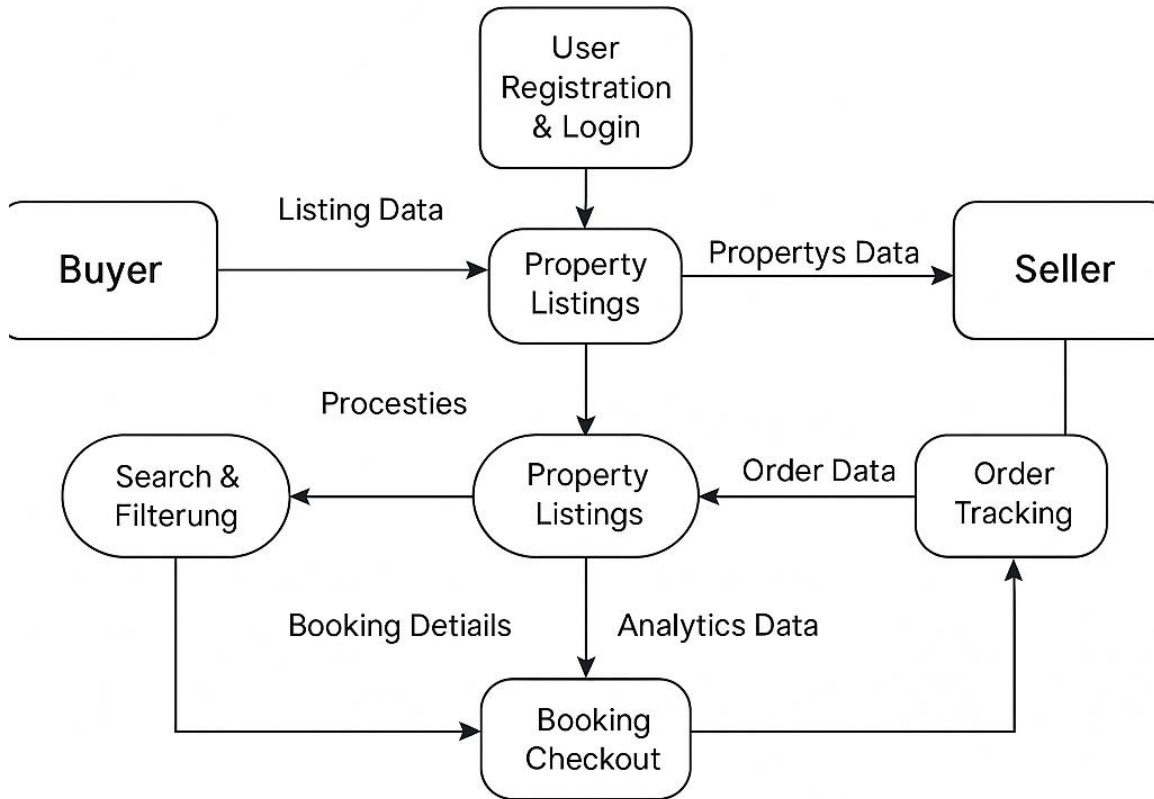
This diagram breaks down the internal processes of the HouseHunt system, including property search, user registration, order management, and analytics.

Processes Include:

- User Registration & Login
- Property Listing Management
- Search & Filtering
- Booking & Checkout
- Order Tracking
- Analytics & Reports

Diagram:

DFD Level 1: Detailed Data Flow



2. User Stories

2.1 User Types

- Seller (Admin)
- Buyer (User)

2.2 User Stories Table

User Type	Functional Requirement	User Story	User Story / Task	Acceptance Criteria	Priority	Release
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	(Epic)	Number				
Seller	Registration & Login	USN-1	As a seller, I can register and log in to manage my product listings.	I can create an account and log in securely.	High	Sprint 1
Seller	Product Management	USN-2	As a seller, I can add, edit, and delete products from my dashboard.	I can successfully manage product listings.	High	Sprint 1
Seller	Order Management	USN-3	As a seller, I can view and process customer orders from the admin panel.	I can track and update orders placed by users.	High	Sprint 2
Seller	Dashboard & Analytics	USN-4	As a seller, I can view sales and customer activity through the dashboard.	I can view real-time order and product data.	Medium	Sprint 3
Buyer	Product Discovery & Search	USN-1	As a user, I can browse and search for products using filters and categories.	I can quickly find relevant products.	High	Sprint 1
Buyer	Cart & Checkout	USN-2	As a user, I can add products to the cart and complete secure checkout.	I can place an order successfully.	High	Sprint 1
Buyer	Order Tracking	USN-3	As a user, I can track the status of my order after purchase.	I can view live order status updates.	Medium	Sprint 2
Buyer	Product Recommendation	USN-4	As a user, I receive recommendations based on my purchase and browsing history.	I see recommended products that match my interests.	Low	Sprint 3

3. Next Steps

Action Items:

- Finalize the DFD Level 0 and DFD Level 1 diagrams.
- Review and prioritize all user stories with the development team.
- Begin Sprint 1 implementation based on top-priority user stories.