Airbnb Clone Backend System Workflow

Step 1: Understand the Scope of the Data Flow Diagram (DFD)

Step 2: Key Components for the Airbnb Clone DFD

  a. Entities: Guests, Hosts, Admin

   b. Processes: User Management, Property Management, Search and Filtering, Booking Management, Payments, Reviews and Ratings, Notifications

   c. Data Stores: User Database, Property Database, Booking Database, Payment Database, Review Database

  d. Data Outputs: Booking Confirmations, Search Results, Payment Receipts

Step 3: Design the DFD

  a. Visualize Inputs, Processes, Outputs, and Data Stores

Step 4: DFD Levels

   a. Level 0 (Context Diagram): High-level interactions between Guests, Hosts, Admins, and the system

   b. Level 1 (Detailed DFD): Breakdown of major processes like User Management, Property Management, and Booking Management

Step 5: Create the DFD

  a. Use tools like Draw.io to represent Entities, Processes, Data Stores, and Data Flows

Step 6: Deliver the DFD

  a. Finalize the diagram with clear labels and arrows to depict data movement