Project Design Phase-II
Data Flow Diagram & User Stories
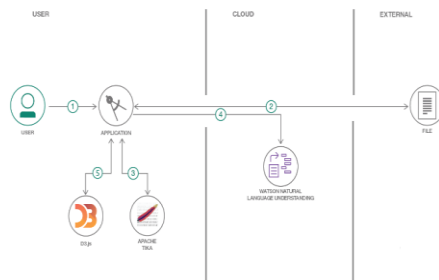
Date	30 June 2025
Team ID	LTVIP2025TMID55781
Project Name	HouseHunt: Finding Your Perfect Rental Home
Maximum Marks	4 Marks

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.
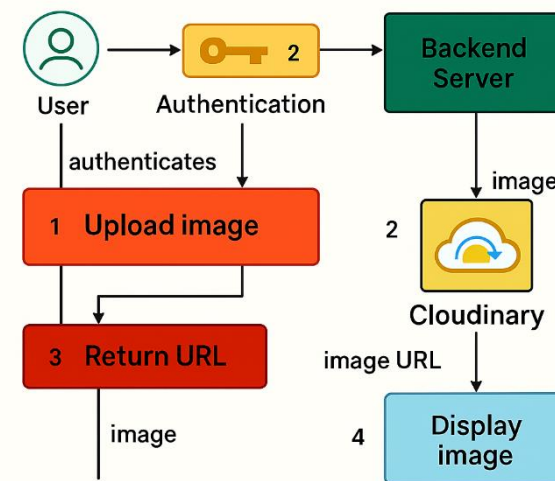
Example: (Simplified)

1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

Example: DFD Level 0 (Industry Standard)

1. User authenticates and starts app.
2. User uploads an image.
3. Backend uploads image to Cloudinary

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email and password.	I can access my account/dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered.	I receive confirmation email & can verify	High	Sprint-1
		USN-3	As a user, I can register using Facebook login.	I can access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register using Gmail OAuth login.	Gmail login allows dashboard access	Medium	Sprint-1
Login	Login	USN-5	As a user, I can login with email and password.	Dashboard loads after successful login	High	Sprint-1
Dashboard	Property Listing	USN-6	As a renter, I can view properties and filter based on budget or location.	Properties list updates as per filters	High	Sprint-2
	Property Management	USN-7	As an owner, I can add a property with details like title, image, price, etc.	Property appears in renter's dashboard	High	Sprint-2
	Booking	USN-8	As a renter, I can book a property by sending a request.	Owner receives and sees booking request	High	Sprint-2
	Booking Management	USN-9	As an owner, I can accept or reject a booking request.	Status changes are visible to renter	High	Sprint-3
Customer (Web user)	Same as above	USN-10	As a web user, I can use the app on browser and get the same functionalities.	Responsive layout, all features available	Medium	Sprint-4
Customer Care Executive	Booking Assistance	USN-11	As an executive, I can view and help resolve booking issues for users.	Can view logs, access booking history	Medium	Sprint-4

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Administrator	Admin Dashboard	USN-12	As an admin, I can view user registration data and listed properties.	Admin dashboard shows real-time platform status	Medium	Sprint-4