

Project Design Phase-II Data Flow Diagram & User Stories

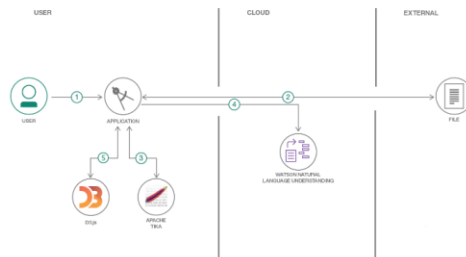
Date	09 June 2025
Team ID	LTVIP2025TMID59290
Project Name	FlightFinder: Navigating Your Air Travel Options
Maximum Marks	4 Marks

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.

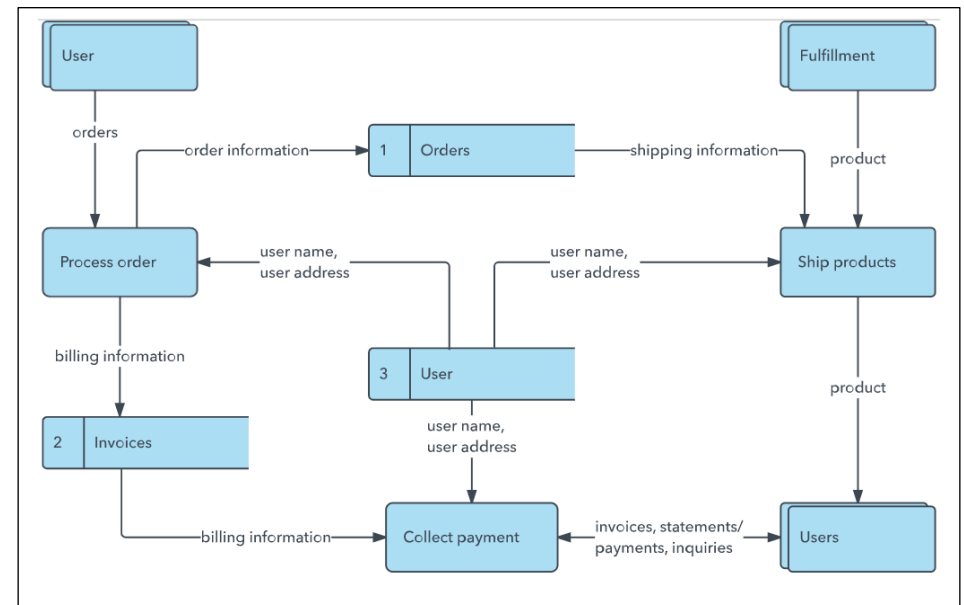
Example: (Simplified)

Flow



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)



Flight Finder – User Stories

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 using my email and password	I can access my dashboard after registering	High	Sprint-1
Customer (Mobile user)	Registration	USN-2	As a user, I receive a confirmation email after registration	I get an email and can verify my account	High	Sprint-1
Customer (Mobile user)	Login	USN-3	As a user, I can log in using my email and password	I am redirected to the dashboard after successful login	High	Sprint-1
Customer (Mobile user)	Flight Search	USN-4	As a user, I can search for flights using source, destination, and date	Relevant flights are shown matching the criteria	High	Sprint-2
Customer (Mobile user)	Booking	USN-5	As a user, I can book a flight by entering passenger details and making payment	I receive a booking confirmation after successful payment	High	Sprint-3
Customer (Mobile user)	Booking History	USN-6	As a user, I can view all my upcoming and previous bookings	A list of my booked flights is shown	Medium	Sprint-3
Customer (Web user)	Live Flight Tracker	USN-7	As a web user, I can track the live status of a flight	Real-time updates on flight status are shown on the web interface	Medium	Sprint-4
Admin	Flight Management	USN-8	As an admin, I can add, update, or remove flight schedules	Added flights are searchable; removed flights no longer appear in search	High	Sprint-3
Admin	User Management	USN-9	As an admin, I can block or delete user accounts	The blocked/deleted user cannot access the application	Medium	Sprint-4