

Project Design Phase-II Data Flow Diagram & User Stories

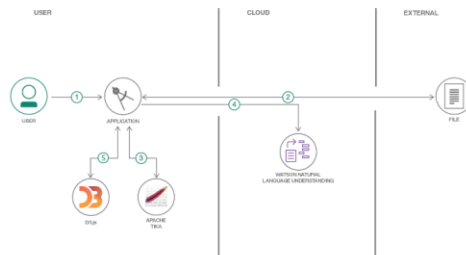
Date	22 June 2025
Team ID	LTVIP2025TMID54785
Project Name	LearnHub: Your Center For Skill Enhancement
Maximum Marks	4 Marks

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.

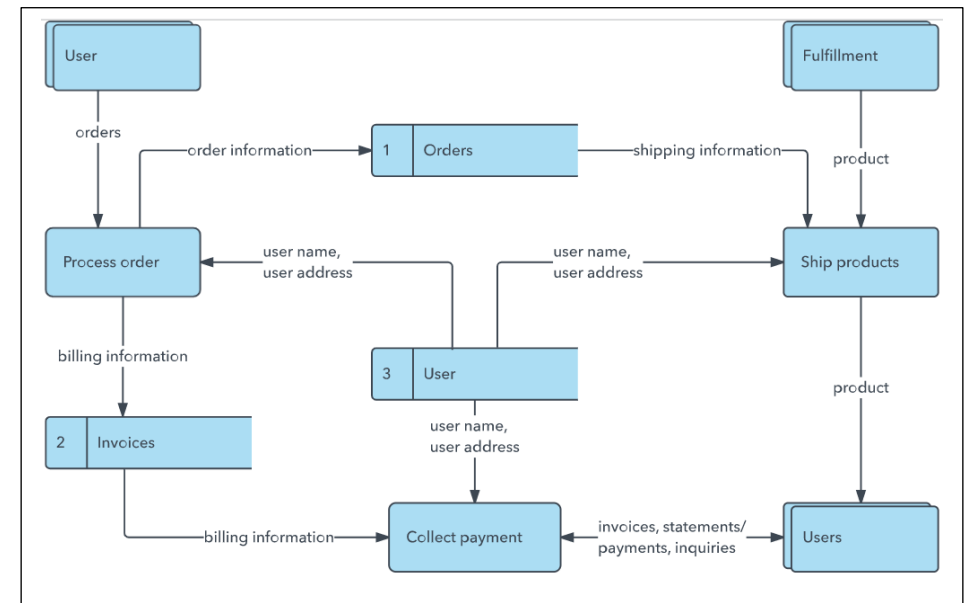
Example: (Simplified)

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)



User Stories

User Type	Functional Requirement	User Story No.	User Story / Task	Acceptance Criteria	Priority	Release
Student	Registration	USN-1	As a student, I can register via form with email and password	I can create an account and access my student dashboard	High	Sprint-1
Student	Login	USN-2	As a student, I can log in using my email and password	I enter valid credentials and log in successfully	High	Sprint-1
Student	View Courses	USN-3	As a student, I can view a list of all available courses	Courses with title, educator, and brief description are displayed	High	Sprint-1
Student	Enroll in Courses	USN-4	As a student, I can enroll in a course I am interested in	Course appears in my dashboard and I can access its content	High	Sprint-1
Student	View Course Content	USN-5	As a student, I can view the full content (video/image/text) of enrolled courses	All sections of the course are accessible after enrollment	High	Sprint-1
Student	Track Progress	USN-6	As a student, I can track my progress in a course	My progress (completed/incomplete) is updated as I go through course sections	Medium	Sprint-2
Teacher	Registration	USN-7	As a teacher, I can	I can create an account	High	Sprint-1

			register via form with email and password	and access my teacher dashboard		
Teacher	Login	USN-8	As a teacher, I can log in using my email and password	I can access my dashboard upon successful login	High	Sprint-1
Teacher	Create Course	USN-9	As a teacher, I can create a new course with title and description	New course is saved and visible in my dashboard	High	Sprint-1
Teacher	Add Course Content	USN-10	As a teacher, I can add multiple sections (video, image, text) to a course	Content appears in structured format in course view	High	Sprint-1
Teacher	Update/Delete Courses	USN-11	As a teacher, I can update or delete my created courses	Changes are saved and reflected immediately	Medium	Sprint-2
Teacher	View Enrolled Students	USN-12	As a teacher, I can view the list of students enrolled in my course	Enrolled student list is visible for each course	Low	Sprint-2
Admin (Optional)	Manage Users	USN-13	As an admin, I can view all registered users and their roles	Full user list is available with filters and role labels	Medium	Sprint-2
Admin (Optional)	Manage Courses	USN-14	As an admin, I can view all courses created by	List of courses with details is accessible from admin dashboard	Medium	Sprint-2

			teachers			
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