Project Design Phase-II
Data Flow Diagram & User Stories
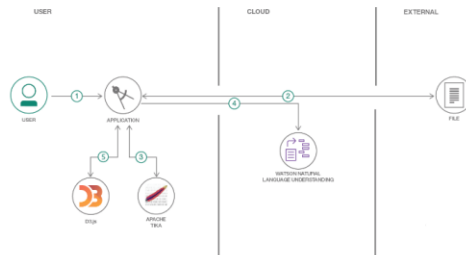
Date	301January 2026
Team ID	LTVIP2026TMIDS39149
Project Name	Cafeteria Menu Display
Maximum Marks	4 Marks

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.
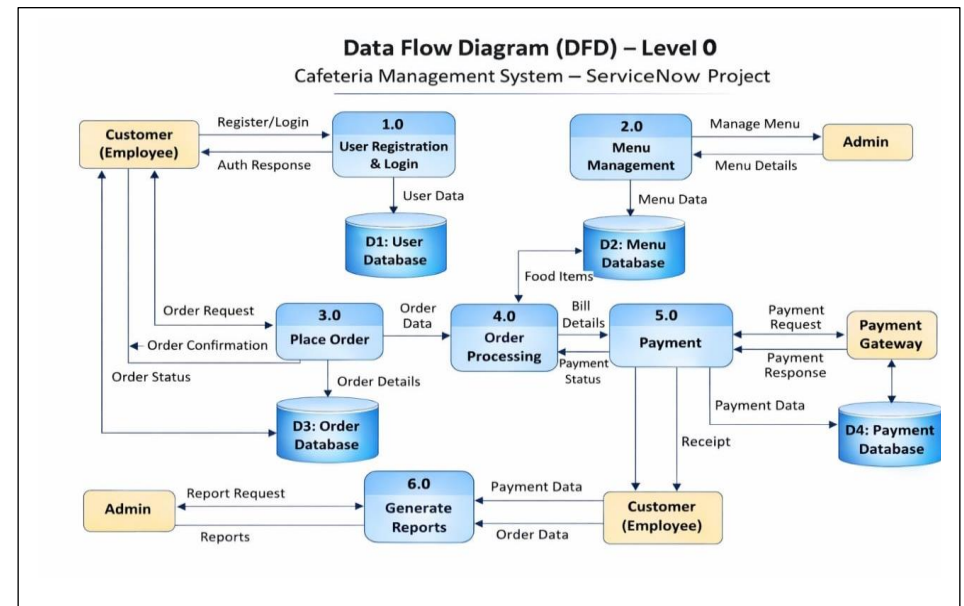
Example: DFD Level 0 (Industry Standard)

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.

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 (Web user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	Account is created successfully and user receives confirmation message	High	Sprint-1
Customer (Web user)	Registration	USN-2	As a user, I will receive a confirmation notification after successful registration.	System displays success message after registration.	High	Sprint-1
Customer (Web user)	Login	USN-3	As a user, I can log into the application using email and password.	User is redirected to dashboard after successful login.	High	Sprint-2
Customer (Web user)	Dashboard	USN-4	As a user, I can view available cafeteria menu items.	Menu list is displayed with menu name, items, price, and status.	Medium	Sprint-2
Customer (Web user)	Dashboard	USN-5	As a user, I can view only Published menu items.	Only menus where status = Published are visible.	Medium	Sprint-2
Administrator	Menu Creation	USN-6	As an admin, I can create a new cafeteria menu record.	Menu record is saved successfully in the table.	High	Sprint-1
Administrator	Menu Update	USN-7	As an admin, I can update cafeteria menu details.	Updated values are saved correctly.	Medium	Sprint-2
Administrator	Menu Publish	USN-8	As an admin, I can mark a menu as Published using UI Action.	Status changes to Published and confirmation message is shown.	High	Sprint-1
Administrator	Menu Delete	USN-9	As an admin, I can delete unwanted menu records.	Selected record is deleted from the system.	Medium	Sprint-2
Executive / Manager	reporting	USN-10	As a manager, I can view cafeteria menu reports.	Report shows list of menus and their status.	Low	Sprint-3