

## Project Design Phase-II Data Flow Diagram & User Stories

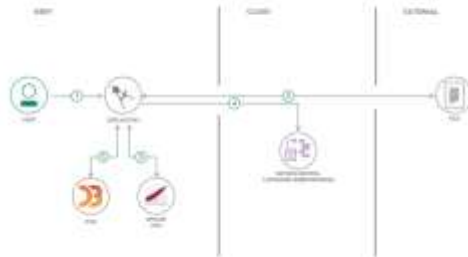
Date	28 June 2025
Team ID	LTVIP2025TMID30049
Project Name	Cafeteria Menu Display
Maximum Marks	4 Marks

### 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.

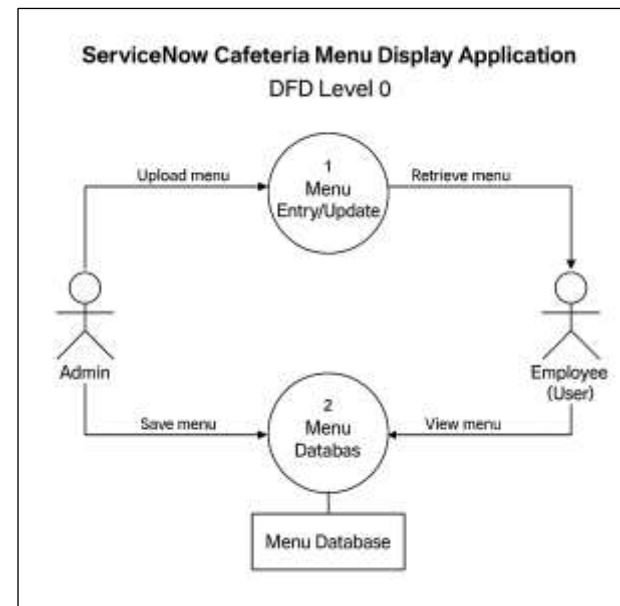
#### Example: [\(Simplified\)](#)

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

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)	View Daily Menu	USN-1	As a user, I want to view today's cafeteria menu on my mobile	I can open the app and see the daily menu items with timings	High	Sprint-1
Customer (Mobile user)	Filter Items	USN-2	As a user, I want to filter the menu by category (veg/non-veg/beverages)	I can apply filters and view only selected categories	High	Sprint-2
Customer (Mobile user)	Mark Favorite Items	USN-3	As a user, I want to mark food items as favorites for future reference	I can tap a heart icon and the item is saved to favorites	Low	Sprint-3
Customer (Web user)	View Weekly Menu	USN-4	As a user, I want to see the full week's cafeteria menu on the web portal	I can navigate to a weekly menu section and see day-wise items	High	Sprint-1
Customer Care Executive	Add/Update Menu	USN-5	As a staff member, I want to upload or update the daily menu items	I can submit a form and changes reflect on both mobile and web apps	High	Sprint-1
Administrator	Manage User Roles	USN-6	As an admin, I want to manage access for staff and users	I can add, remove or modify user roles from the admin panel	Medium	Sprint-2
Administrator	View Feedback	USN-7	As an admin, I want to see user feedback on food items	I can access and download feedback reports	Low	Sprint-3