

Project Design Phase-II Data Flow Diagram & User Stories

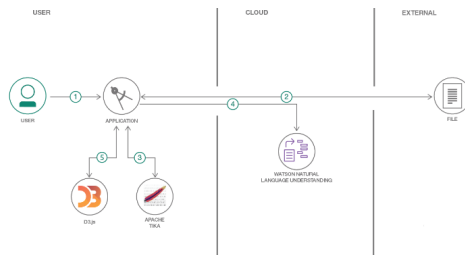
Date	14 October 2022
Team ID	PNT2022TMID34147
Project Name	Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	4 Marks

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.

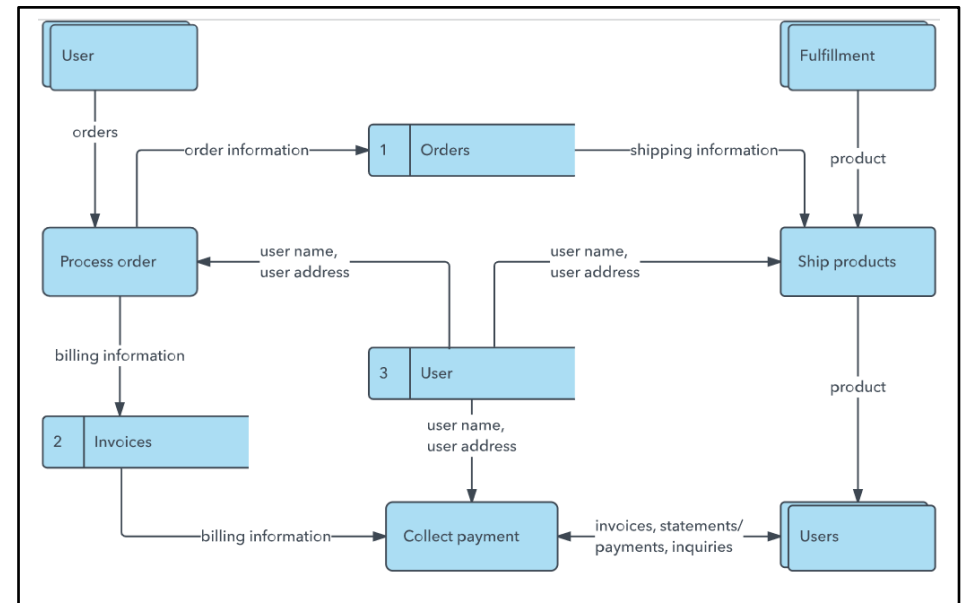
Example: (Simplified)

Flow

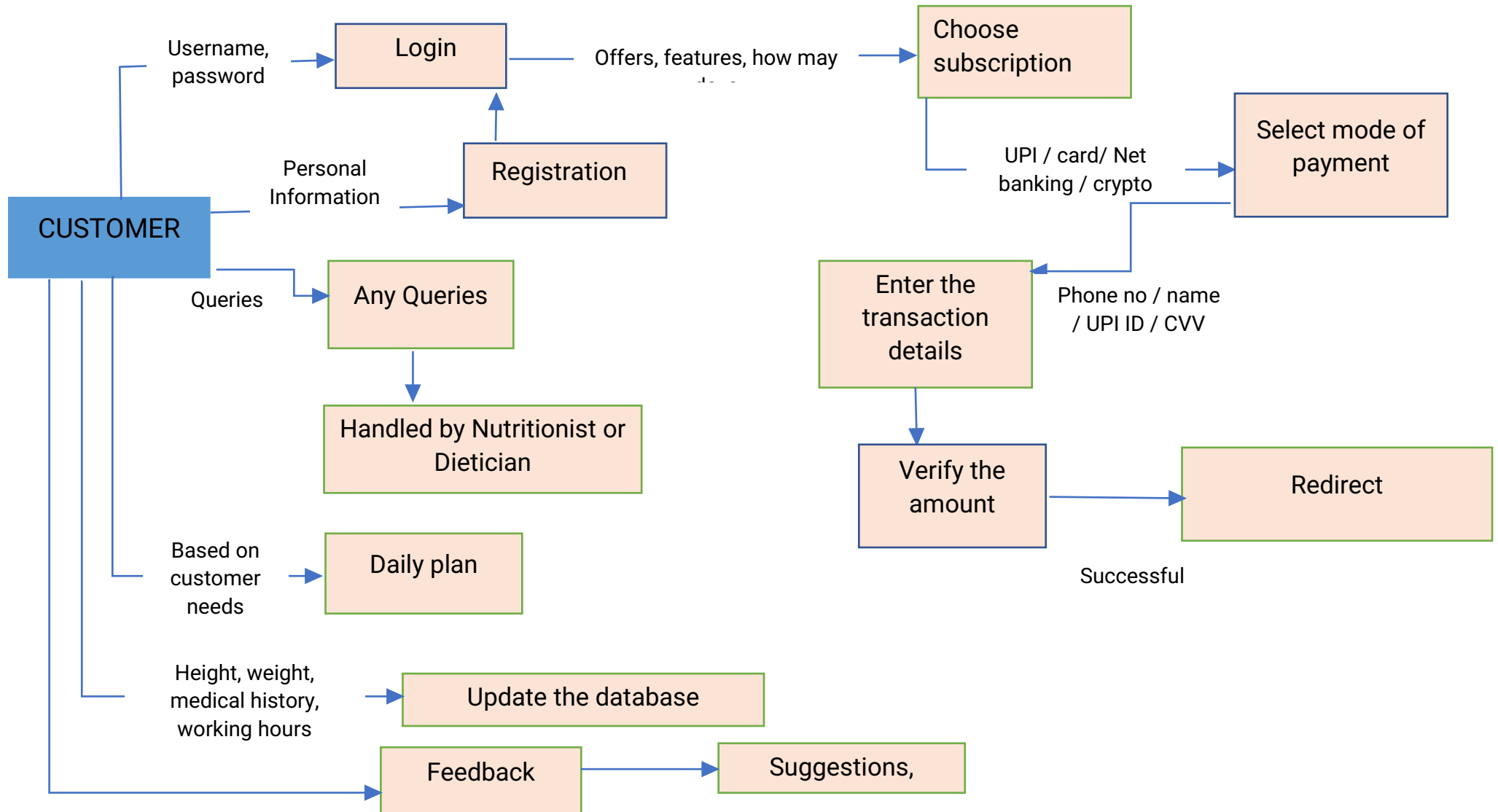


1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using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

Example: DFD Level 0 (Industry Standard)



Data flow diagram:



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, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
Customer (Web user)		USN-4	As a user, I can register for the application through website	I can access the Dashboard with website	High	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can login into the application by entering password.	High	Sprint-1
	Dashboard	USN-6	As a user, I can select the list of options provided in the dashboard	I can access my option according to my need	Medium	Sprint-1
	Search	USN-7	As a user, I can search different varieties of foods	I can get the different nutrition content of different foods	High	Sprint-2
	Main Interface	USN-8	As a user, I can view my calories intake while uploading the photo of my food	I can access the calories of my food	High	Sprint-2
	Notifications	USN-9	As a user, I can view my notification about variety of food	I can get the updates of different food	Low	Sprint-2
	Mediator	USN-10	As a customer care executive, I can get the feedbacks from users	User can get support from customer care executives	Medium	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Administrator	Database	USN-11	As an administrator, I can store the user database	I can store and access the data if it is needed in the future	High	Sprint-1
	Nutrition Analyzer	USN-12	As an admin, I will predict the fruit that has send as input	I can get the nutrition content of particular food after processing and display it	High	Spint-2