

Project Design Phase-II Data Flow Diagram & User Stories

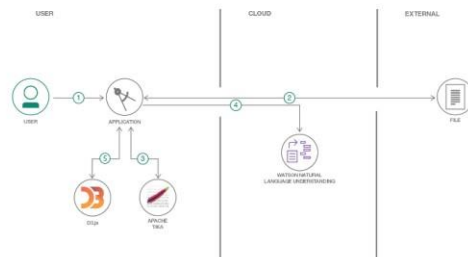
Date	2 November 2023
Team ID	Team-592063
Project Name	AI enabled car parking using open CV
Maximum Marks	4 Marks

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.

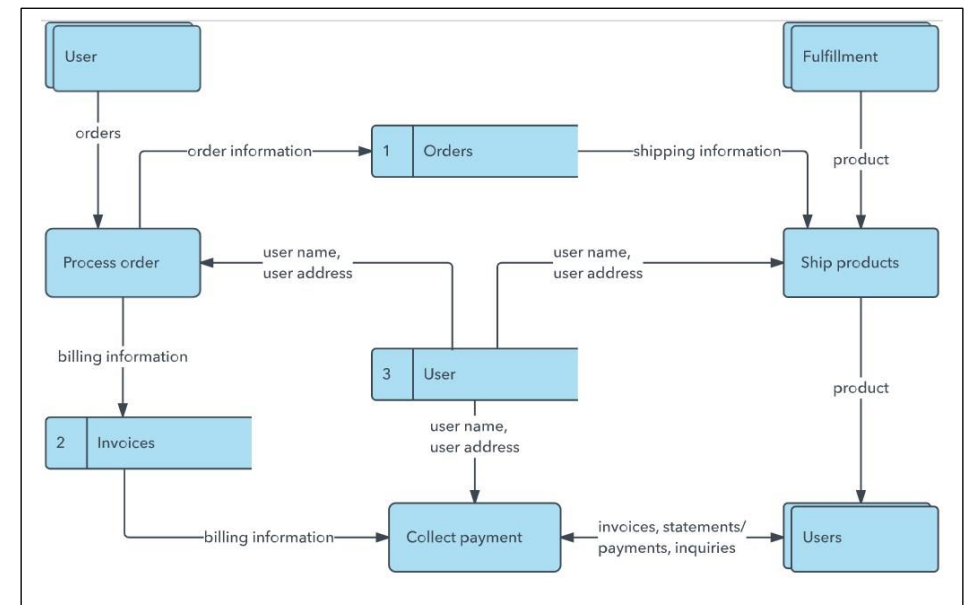
Example: [\(Simplified\)](#)

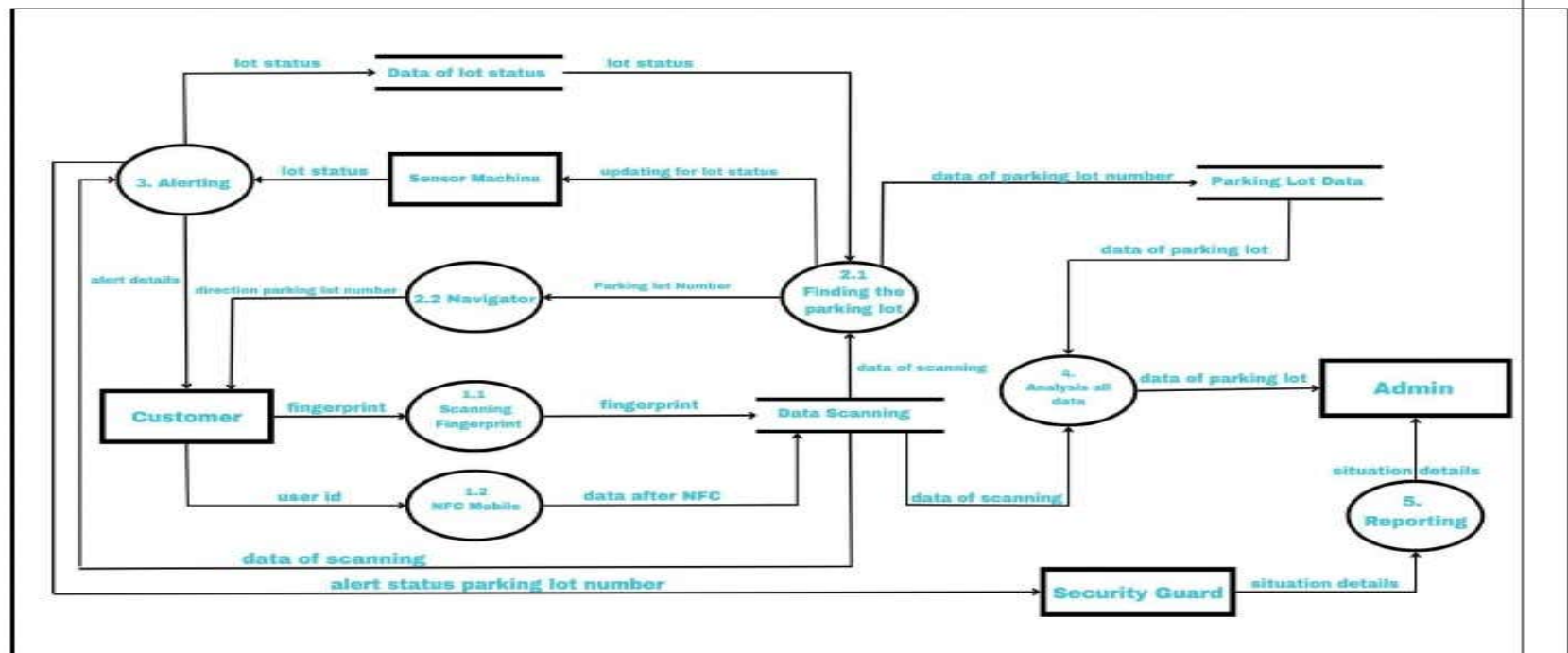
Flow



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)	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
		USN-4	As a user, I can register for the application through Gmail	I can register the app with email account	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can register & access user profile with Gmail Account	High	Sprint-1
	Dashboard	USN-6	As a conferrer I can request vacant parking space to park my car and see the number of slots available	I can get information about parking rates	High	Sprint-2

Customer (Web user)	Profile	USN-7	As a user I can see registration page, login page and request page to see available slots and camera footage screen where I can check availability of parking spots in real time	I can login through email and social media account for registration	Medium	Sprint-2
Customer Care Executive	Help desk / user support	USN-8	As a customer care executive, I can solve the queries of the users	I can reply to their queries and solve their related problems	High	Sprint-3
Administrator	Registration	USN-9	As an administration or I can view the database of registered users	I can check and verify the persons who are the registered their mail id's and information	Medium	Sprint-4
	Dashboard	USN-10	As an administration, I can view how many members requested for what trouble occurs in parking vehicle	I can check the numbers of requirements and monitor the availability	Low	Sprint-4
Camera Screen	User Interface	USN-11	Car parking spots available number displayed, Spots available highlighted with green colour and car number changing continuously, screen shows the CCTV footage	I can get information of number of slots available and area in which slots available on the screen	High	Sprint-5

			coverage of parking area			