

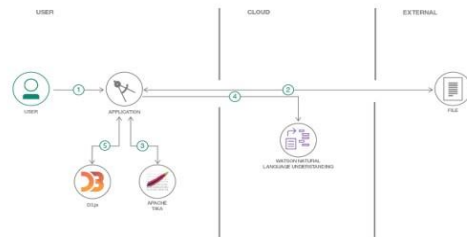
Project Design Phase-II Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID44835
Project Name	Classification of arrhythmia by using deep learning with 2D – ECG spectral image representation
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.

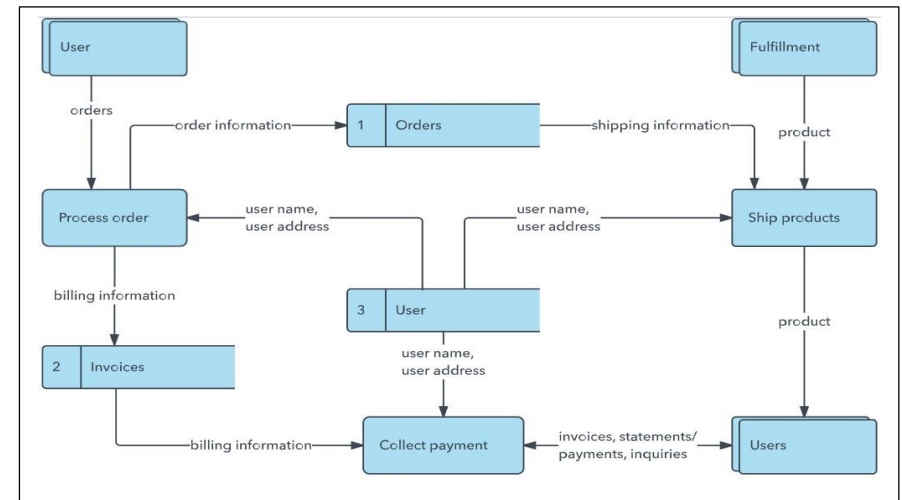
Flow



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

Example : DFD level 0 (INDUSTRY STANDARD)



(Industry

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
Patients-with PAC and PVC (Mobile user)	SMART WATCH- to detect the rhythm of heart		As a patients, I affect by irregular rhythm.	Because of high blood pressure	High	Sprint-1
Patients –with sinus bradycardia	MOBILE PHONE- to find the sinus problem		As a patients , I affect by sinus rhythm with a lower than normal rate.	Because of dust allergy	Low	Sprint-1
Patients – with web user	ECG SCAN		As a patients, I affect by blood clot	Because of high cholesterol	High	Sprint-2
Patients care executive	Physiotherapy		As a patients ,I affect by less movement.	Because of proper exercise	Medium	Sprint-1
Administrator	Doctor		Doctor suggested surgery	Because of high cholesterol, blood clot	High	Sprint-1