Project Design Phase-II
Data Flow Diagram & User Stories

Date	20 October 2022
Team ID	PNT2022TMID09904
Project Name	Project - Smart Solutions For Railways
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)](#)
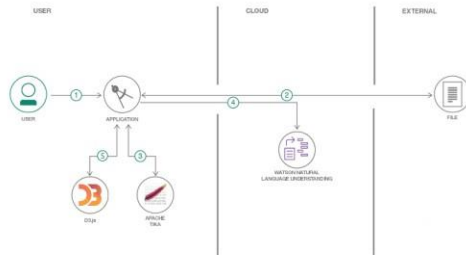
1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

Example: DFD Level 0 (Industry Standard)
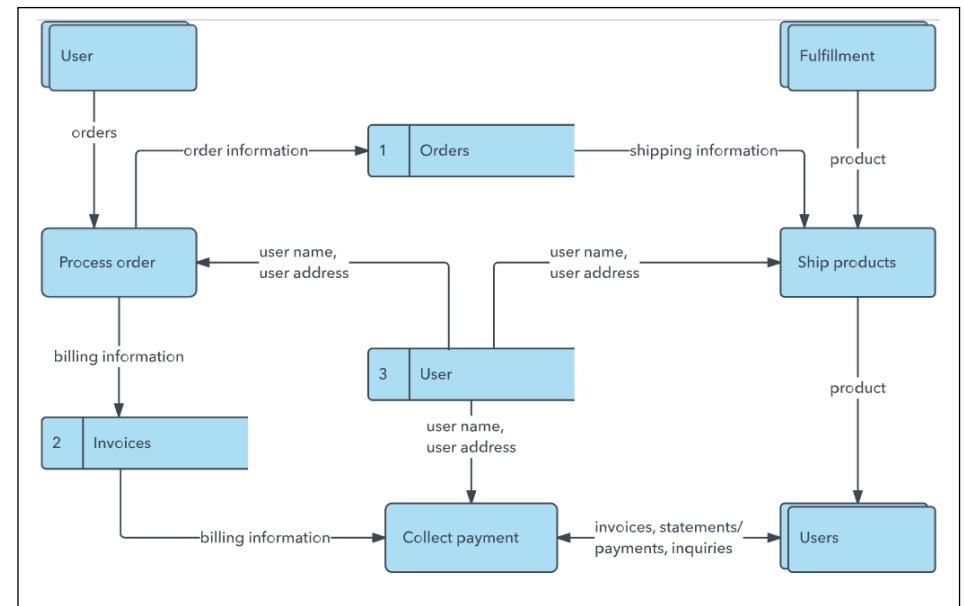
User Stories

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		Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard					
Customer (Web user)	IoT technologies help		**Smart sensors can be used to track important assets, manage passenger flow, and enable predictive maintenance**	data as an asset trusted networks and environment	High	Sprint-1
Customer Care Executive	Toll Free Customer helpline number 138		**The helpline will address complaints relating to cleanliness, food and catering, coach maintenance, medical emergency, linen etc. Toll Free telephone No.**	Its head office is in the North-East Railway Compound in Lucknow. As of 2019	High	Sprint-2
Administrator	AGM is the Director, Public Grievances of the Zonal Railway.		**The system is made up of elements such as IBM's new customer-centric reservation system, more efficient operations control and smart vision, and parts of it are already operational within some rail networks.**	Acceptance criteria should be testable. ... Criteria should be clear and concise. ... Everyone must understand your acceptance criteria. ...	Low	Sprint-1

Reference Link:- https://www.freeprojectz.com/dfd/railway-reservation-system-dataflow-diagram