Project Design Phase-II
Data Flow Diagram & User Stories

Date	23 October 2023
Team ID	PNT2022TMID**591190**
Project Name	Empowering the Future: A Literacy Rate Analysis for a Better Future Tomorrow
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
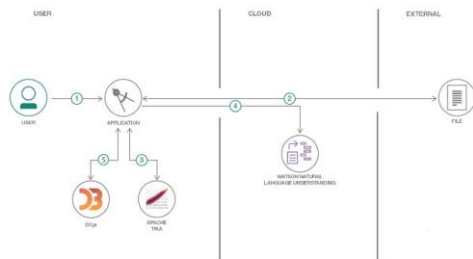
1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.
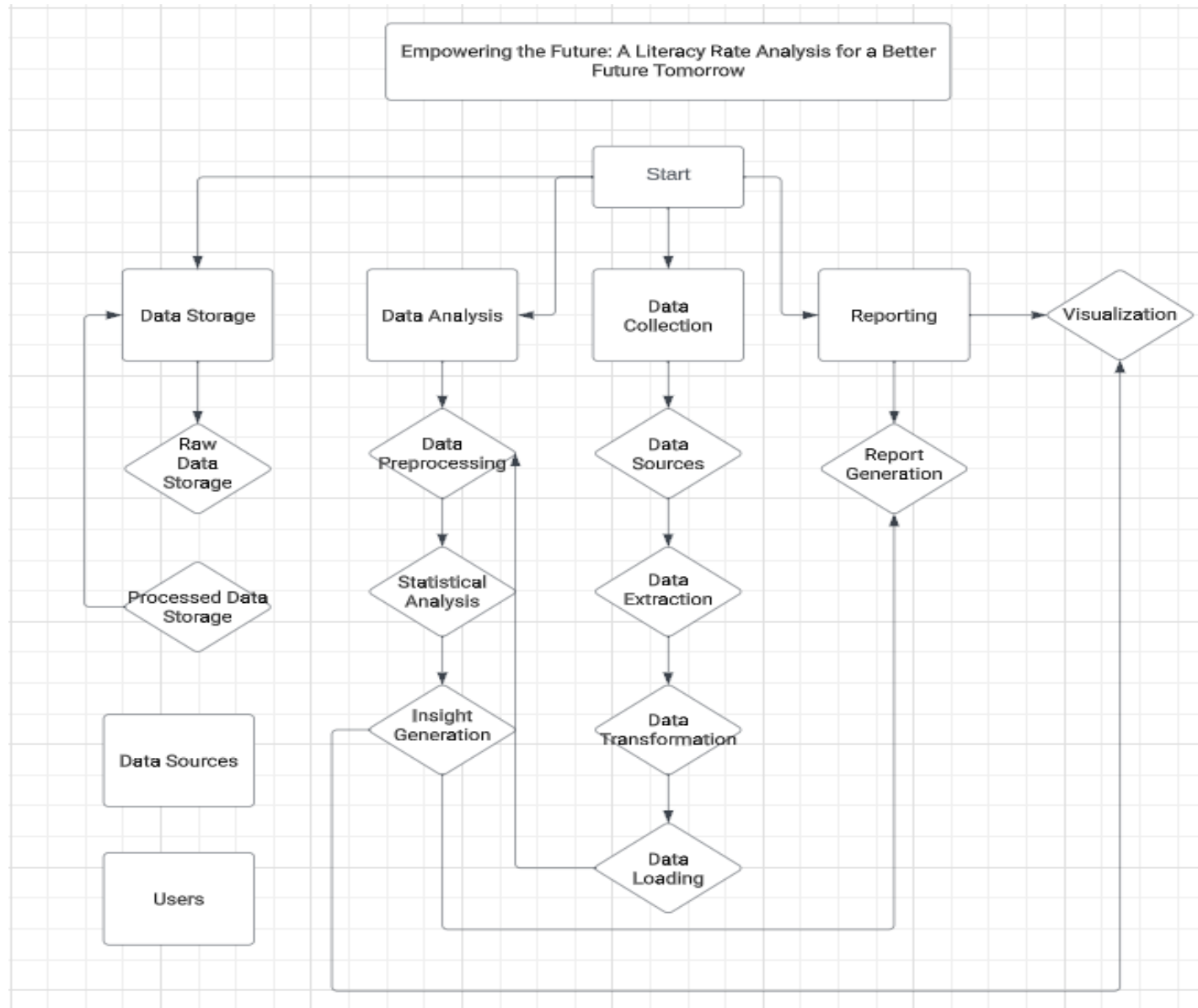

Example: DFD Level 0 (Industry Standard)
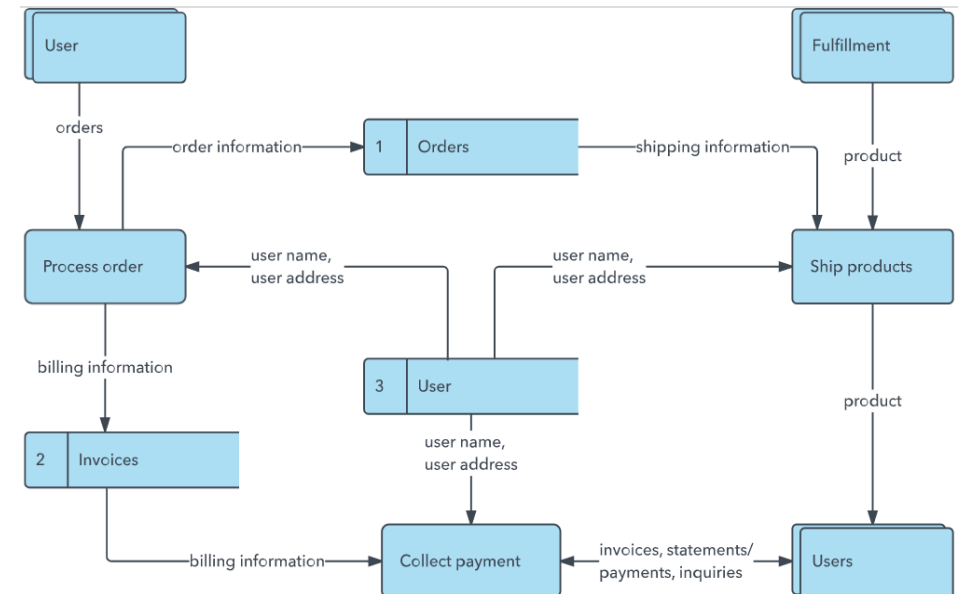
User Stories

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		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)						
Customer Care Executive						
Administrator						

Data flow diagram

User Stories

User stories for **Empowering the Future: A Literacy Rate Analysis for a Better Future Tomorrow**

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 Upon successful registration, a confirmation email is sent	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 I can click on the confirmation link in the email to verify my account.	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 and access the dashboard using Gmail Login.	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can access my account / dashboard after successful login.	High	Sprint-1
	Dashboard	USN-6	As a user, I can view literacy rate statistics on my dashboard.	- I can see statistics on literacy rates. - I can filter and customize the displayed data. - Data is up-to-date and accurate.	High	Sprint-2
		USN-7	As a user, I can compare literacy rates between different regions.	- I can select regions for comparison. - The system provides clear and meaningful comparisons.	Medium	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web user)	Registration	USN-8	As a web user, I can register for the application by providing my email, password, and confirming the password.	I can access my account/dashboard upon successful registration.	High	Sprint-1
	Login	USN-9	As a web user, I can log into the application using my email and password.	After successful login, I can access my account/dashboard.	High	Sprint-1
	Dashboard	USN-10	As a web user, I can access a user-friendly dashboard that displays literacy rate statistics.	Ican filter, customize, and visualize data effectively on the dashboard. The displayed data is up-to-date and accurate.	High	Sprint-2
Customer Care Executive	Access to User Data	USN-11	As a customer care executive, I can access user data for the purpose of assisting users.	Access is limited to user-related data and is in compliance with data protection regulations.	High	Sprint-2
	User Support	USN-12	As a customer care executive, I can provide support to users, answer queries, and resolve issues via a support interface.	Users receive timely and helpful assistance.	High	Sprint-2
Administrator	User Management	USN-13	As an administrator, I can manage user accounts, including adding, modifying, and deactivating accounts.	User data is kept up-to-date and secure.	High	Sprint-2
	Data Management	USN-14	As an administrator, I can manage data sources, ensuring data accuracy and integrity.	Data sources are regularly updated and reliable.	High	Sprint-2
	Security	USN-15	As an administrator, I can implement and manage security measures to protect user data and the system.	Data is secure and complies with relevant regulations.	High	Sprint-3