Requirement Gathering and Analysis Phase
Data Flow Diagram & User Stories

Date	6/7/2024
Team ID	PNT2022TMID1720113552
Project Name	Project - Video Conferencing App
Maximum 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.
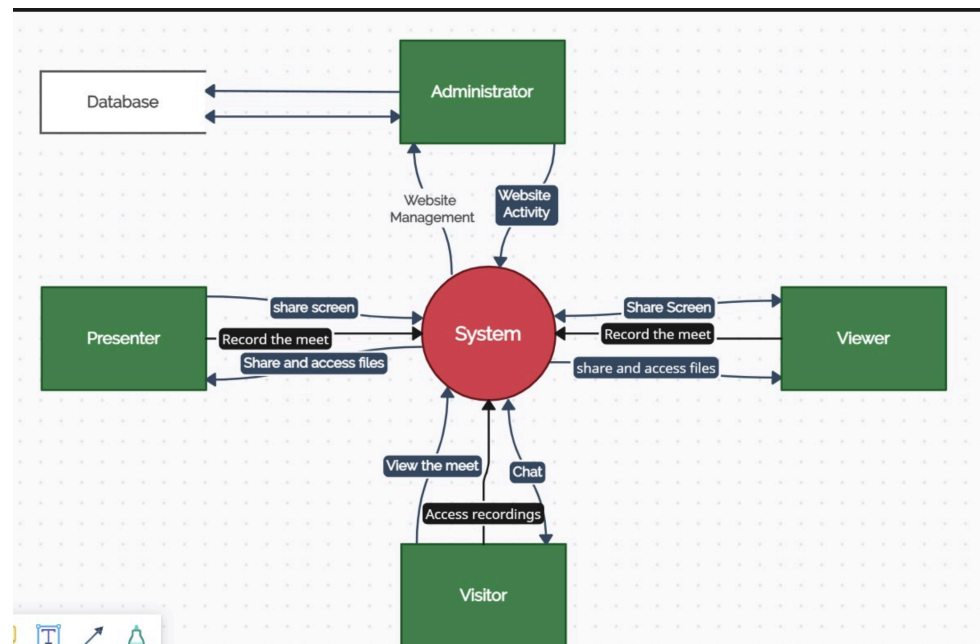
Flow
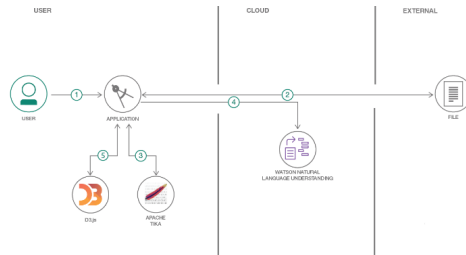
1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

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 (Web 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 after registration.	High	Sprint-1
Customer (Web user)	Login	USN-2	As a user, I can log in to the application using my email and password.	I can access my account/ dashboard after successful login.	High	Sprint-1
Customer (Web user)	Video Conferencing	USN-3	As a user, I can start a video conference and invite participants.	I can see and hear participants in real-time during the conference.	HIgh	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web user)	Screen Sharing	USN-4	As a user, I can share my screen with other participants during a conference.	Other participants can view my screen without significant lag or issues.	High	Sprint-3
Customer (Web user)	Chat Functionality	USN-5	As a user, I can send and receive text messages during a video conference.	Messages are delivered and displayed in real-time to all participants.	Medium	Sprint-2
Customer (Web user)	Whiteboarding	USN-6	As a user, I can use a shared whiteboard to draw and collaborate during a conference.	Changes on the whiteboard are visible to all participants in real-time.	Low	Sprint-4
Customer (Web user)	Document Sharing	USN-7	As a user, I can upload and share documents with participants during a conference.	Participants can view and download shared documents.	Medium	Sprint-3
Customer (Web user)	Security	USN-8	As a user, I can have my video conferences encrypted to ensure privacy and security.	All video and audio data is encrypted end-to-end during the conference.	High	Sprint-1
Administrator	User Profile	USN-9	As a user, I can update my profile information, including my name and profile picture	Changes to my profile are saved and displayed correctly.	Low	Sprint-4
Administrator	User management	USN-10	As an admin, I can manage user accounts, including creating, editing, and deleting users.	Admin can successfully create, edit, and delete user accounts as needed.	High	Sprint-1
Customer (Web user)	Notification System	USN-11	As a user, I can receive notifications for upcoming meetings and messages.	Notifications are timely and provide relevant information about meetings/messages.	Medium	Sprint-2
Customer (Web user)	Responsive System	USN-12	As a user, I can access the application from any device, including mobile phones and tablets.	The application interface is user-friendly and functional on all devices.	High	Sprint-1
Customer (Web user)	Payment System	USN-13	As a user, I can subscribe to premium features through a secure payment system.	Payments are processed securely, and premium features are accessible post-payment.	Medium	Sprint-3