ProjectDesignPhase-II
DataFlowDiagram &User Stories

Date	24-October-2023
TeamID	F0D5C3415502FE8A788464F1880594
ProjectName	Data Titans: Unearthing trends from Linkedin Influencers
MaximumMarks	4 Marks

DataFlowDiagrams:

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 rightamount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data isstored.
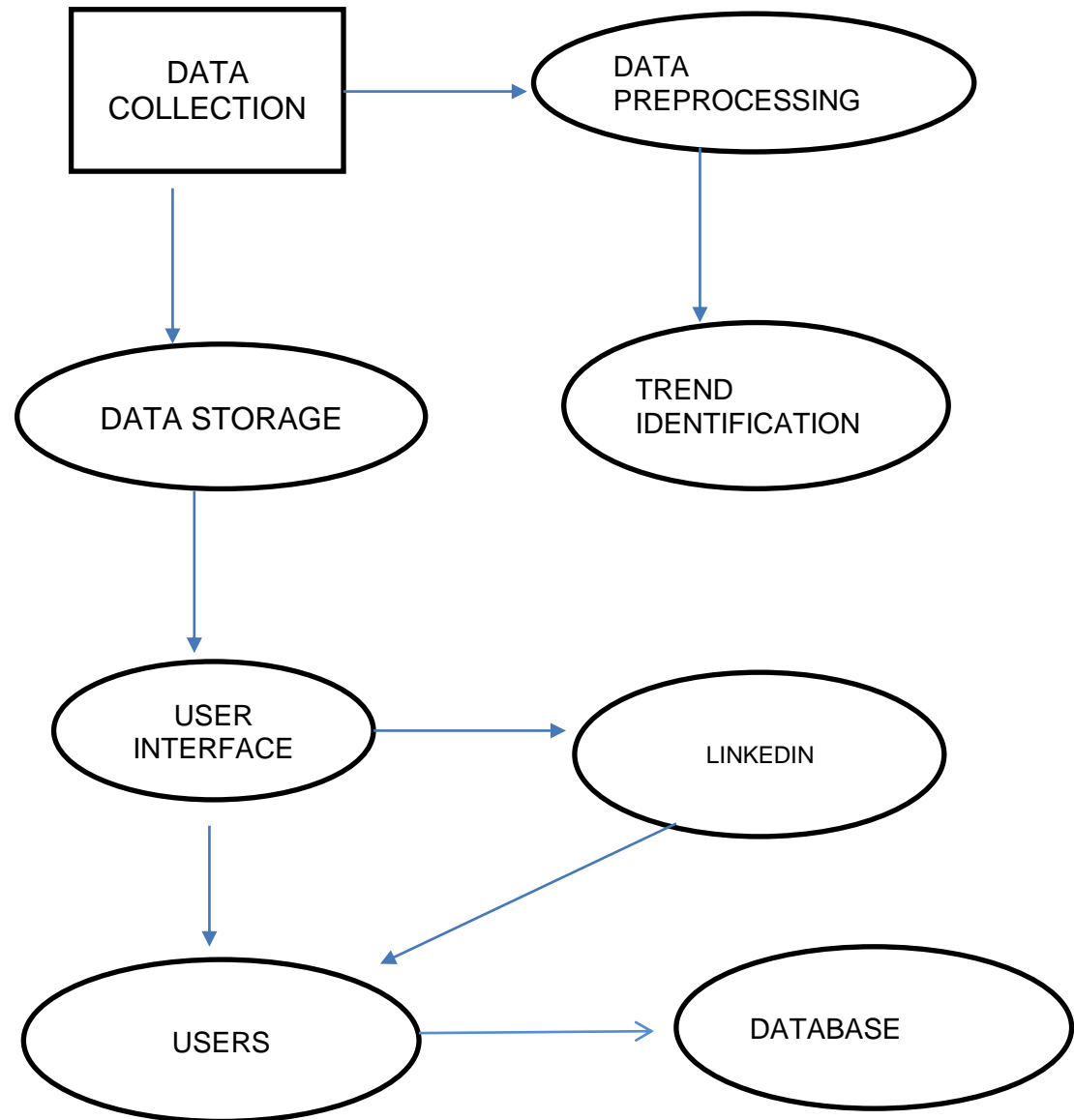
Example:(Simplified)

Flow
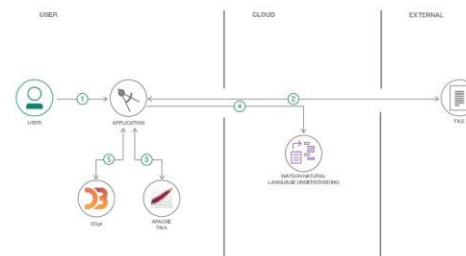
1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

DATA FLOW DIAGRAM

USER STORIES

USER TYPE	USER STORY NUMBER	USER STORY/TASK	ACCEPTANCE CRITERIA	PRIORITY	RELEASE
Marketing manager	USN-1	As a marketing manager, I want to identify the trending topics among LinkedIn influencers in our industry.	System can analyze and identify the most discussed keywords and topics among influencers.	0/1	
Content Creator	USN-2	As a content creator, I want to receive real-time notifications when LinkedIn influencers discuss new trends.	System sends timely notifications when influencers post about new and popular topics.	0/1	
Data Analyst	USN-3	As a data analyst, I want access to historical data on trends associated with LinkedIn influencers in our niche.	System provides access to a database of historical trend data from influencers' posts.	0/1	
Product Manager	USN-4	As a product manager, I want access to an API that provides real-time data on LinkedIn influencer trends.	System offers a well-documented API for real-time trend data, including data retrieval, updates, and access controls.	0/1	
Social Media Manager	USN-5	As a social media manager, I want to schedule content based on the trending topics from LinkedIn influencers.	Users can choose publication times based on trend data and engagement periods.	0/1	
Researcher	USN-6	As a researcher, I want to conduct sentiment analysis on the comments and discussions generated by influencers.	Users can view sentiment analysis reports and insights into public perception of trends.	0/1	