

Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	TEAM-592137
Project Name	Project - Extracting Intelligent Insights With Ai-Based Systems
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.

This DFD showcases the flow of data and processes involved in the text summarization system. Users input text, which undergoes processing, summarization, and finally, the summarized output is presented back to the user. The processes involve handling user inputs, preprocessing text, utilizing summarization algorithms, and presenting the generated summaries to the user.

LEVEL-1	LEVEL-2
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- Processes:
 - User Input
 - Text Summarization
 - Summarized Text Output
- Data Stores:
 - User Input Text
 - Summarized Text Output
- External Entities:
 - User

- Processes:
 - User Input Handling
 - Text Preprocessing
 - Summarization Algorithm Processing
 - Summarized Text Generation
 - Output Presentation
- Data Stores:
 - Cleaned/Processed Text
 - Summarization Models
 - Extracted Summaries
- Data Flows:
 - User Inputs Text
 - Processed Text to Summarization Engine
 - Extracted Summaries to Output Presentation
 - Summarized Text Output to User

FLOW CHART

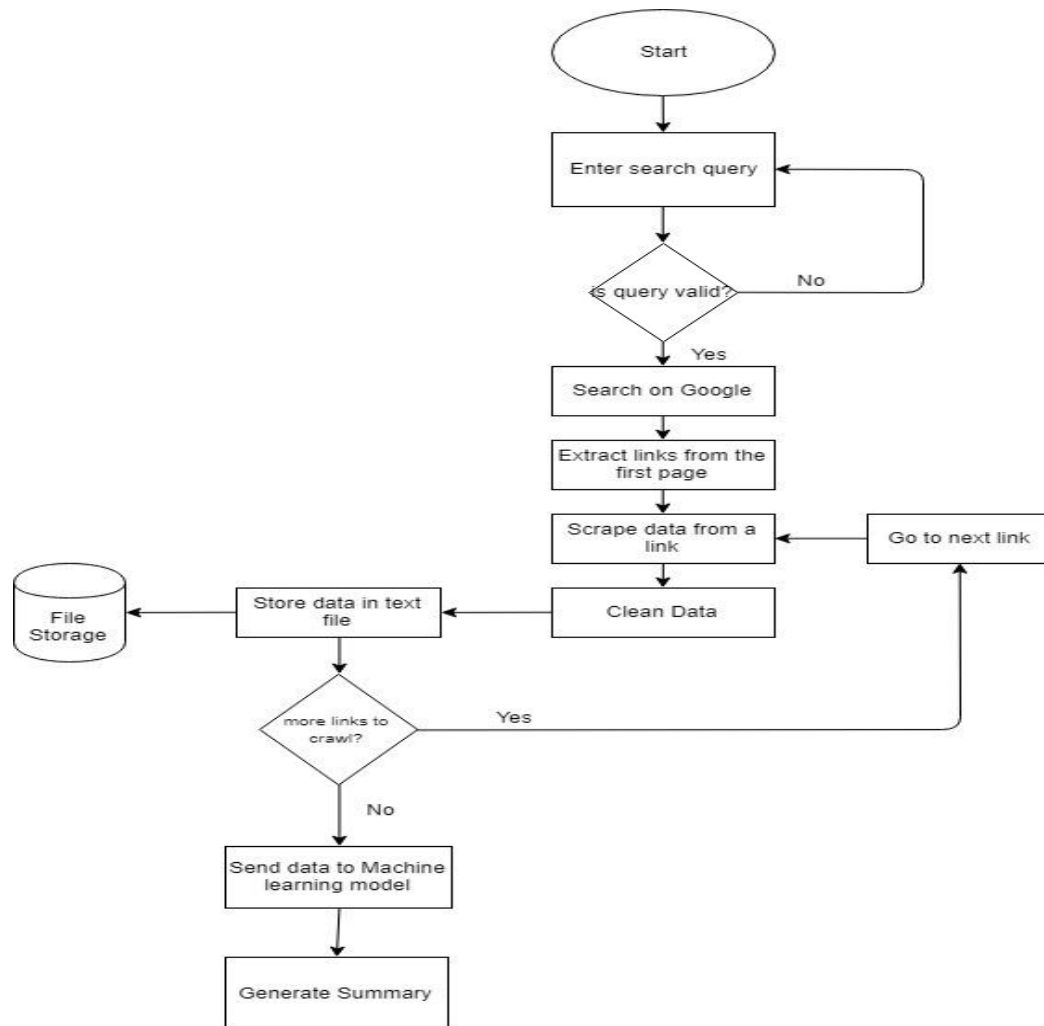
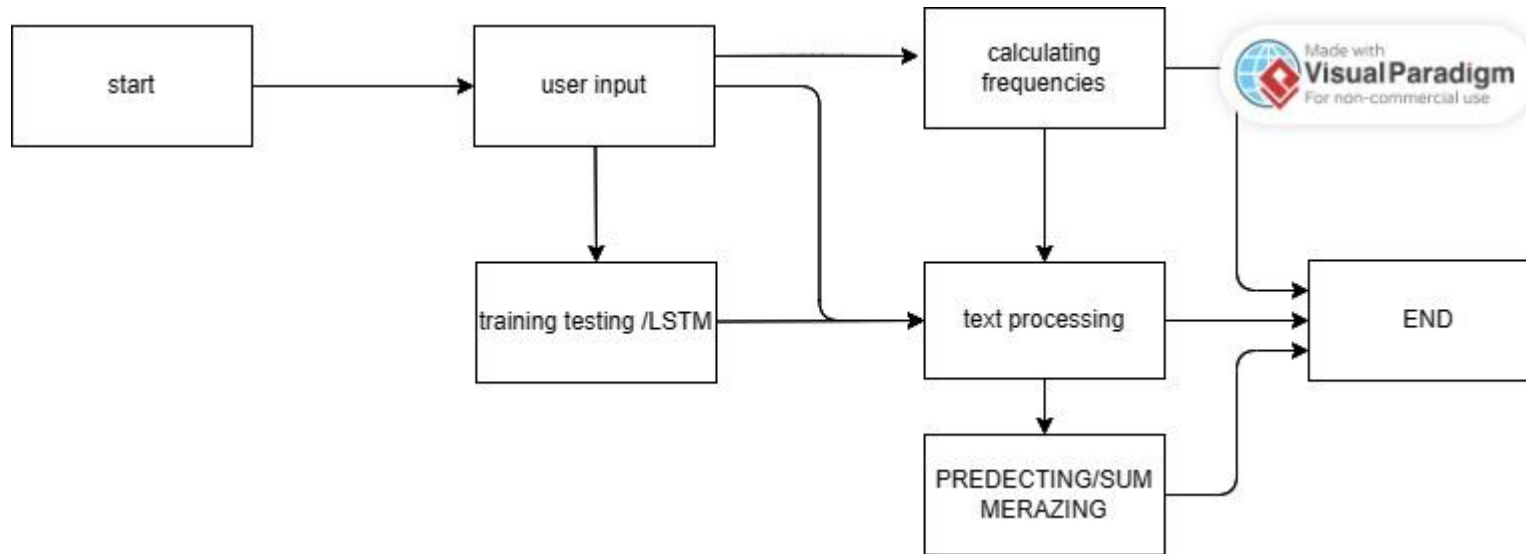


FIG.1 [ML | Text Summarization of links based on user query - GeeksforGeeks](#)

DATA FLOW DIAGRAM(DFD)



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
	As a mobile	USN-2	As a user, I will receive	I can receive	High	Sprint-1

	user, I want AI-driven personalized recommendations based on my preferences.		confirmation email once I have registered for the application	confirmation email & click confirm		
	As a mobile user, I want real-time AI-generated insights pushed as notifications.	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
	LOGIN	USN-4	As a user, I can register for the application through Gmail	System analyzes user behavior, suggests relevant products/services. - Allows users to rate recommendations for improvement.	Medium	Sprint-2
	Login	USN-5	As a user, I can log into the application by entering email & password	AI system alerts about personalized insights, trends, or updates based on user settings. - Notifications are timely, actionable, and customizable.	High	Sprint-2
Customer (Web user)	LOGIN	USN-1	As a web user, I want AI assistance in refining search	AI provides autocomplete, suggests	medium	Sprint-2

			queries and suggesting related topics.	related searches. - Enhances search accuracy and relevance based on user input.		
Customer Care Executive	Automating Customer Queries in built	USN-1	AI system processes FAQs, responds to routine queries. - Escalates complex queries to human support if needed.	Can access within the system with recommendations	medium	Sprint-1
Administrator	Inbuilt or download	USN-1	Understanding and guiding workflow	With the ability to view into the administration generate tips	high	Sprint-3
Researcher	Summarizing Research Papers USING LOGIN	USN-1	System generates concise summaries maintaining key information. - Allows retrieval of original content if needed.	Can access using mail	High	Sprint-2