

## Project Design Phase-II

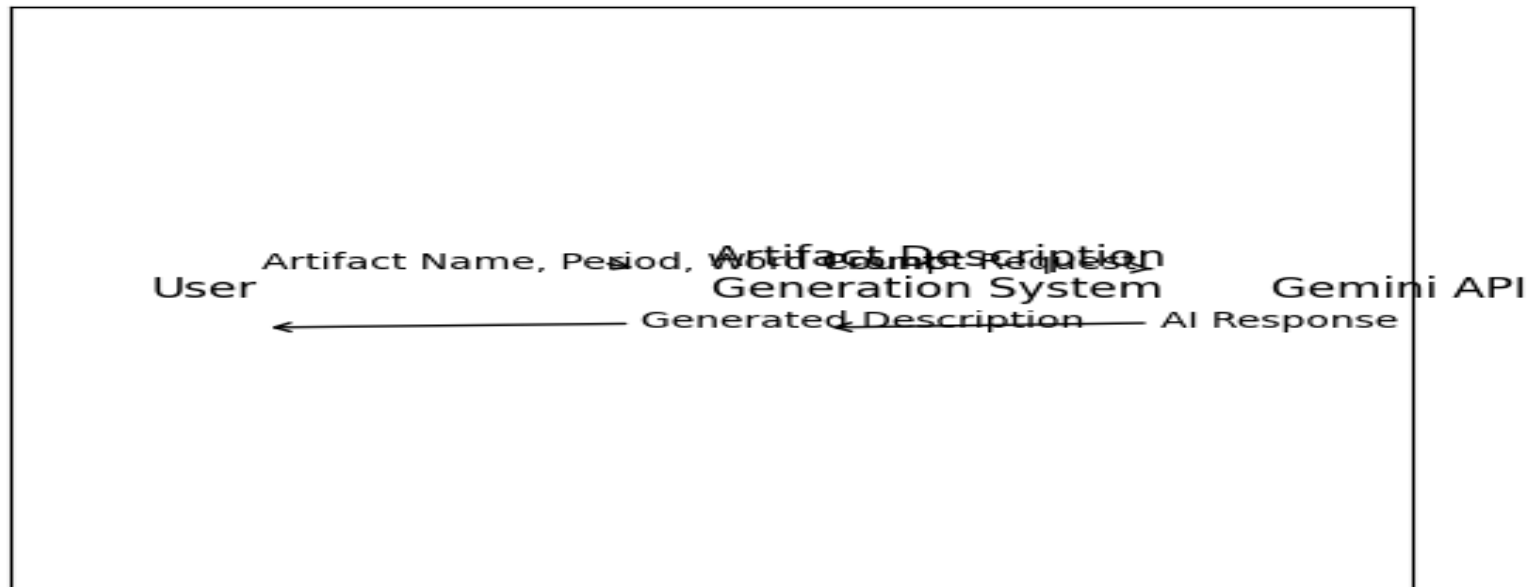
### Data Flow Diagram & User Stories

Date	31 January 2025
Team ID	LTVIP2026TMIDS81727
Project Name	Gemini historical artifact description
Maximum Marks	4 Marks

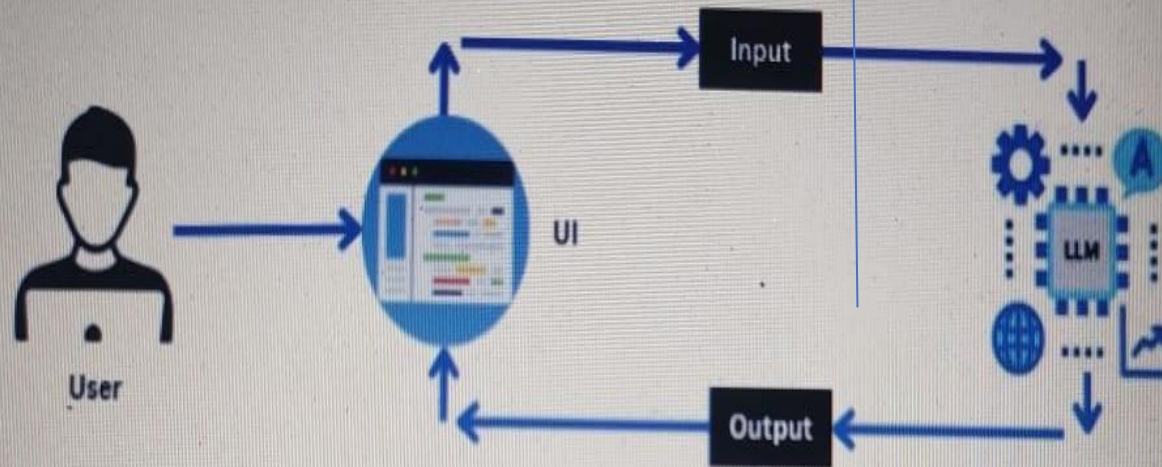
#### Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A 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.

#### DFD Level 0 - Context Diagram



# Architecture



## 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
Web User	Generate Artifact Description	USN-1	As a user, I can enter an artifact name and generate a historical description.	Description is displayed with headings and detailed explanation.	High	Sprint-1
Web User	Select Word Count	USN-2	As a user, I can select the desired word length for the description.	Generated output matches selected word length approximately.	High	Sprint-1
Web User	Optional Historical Period	USN-3	As a user, I can optionally enter a historical period to refine results.	Output reflects the specified time period.	Medium	Sprint-1
Web User	View Loading Fact	USN-4	As a user, I can see an interesting historical fact while the AI generates content.	Random fact is displayed during loading spinner.	Medium	Sprint-1
Administrator	API Configuration	USN-5	As an admin, I can configure the Gemini API key securely.	API key is stored securely using environment variables.	High	Sprint-1

## Simplified Flow

User → Streamlit UI → Prompt Generation → Gemini API → AI Response → Display Output