

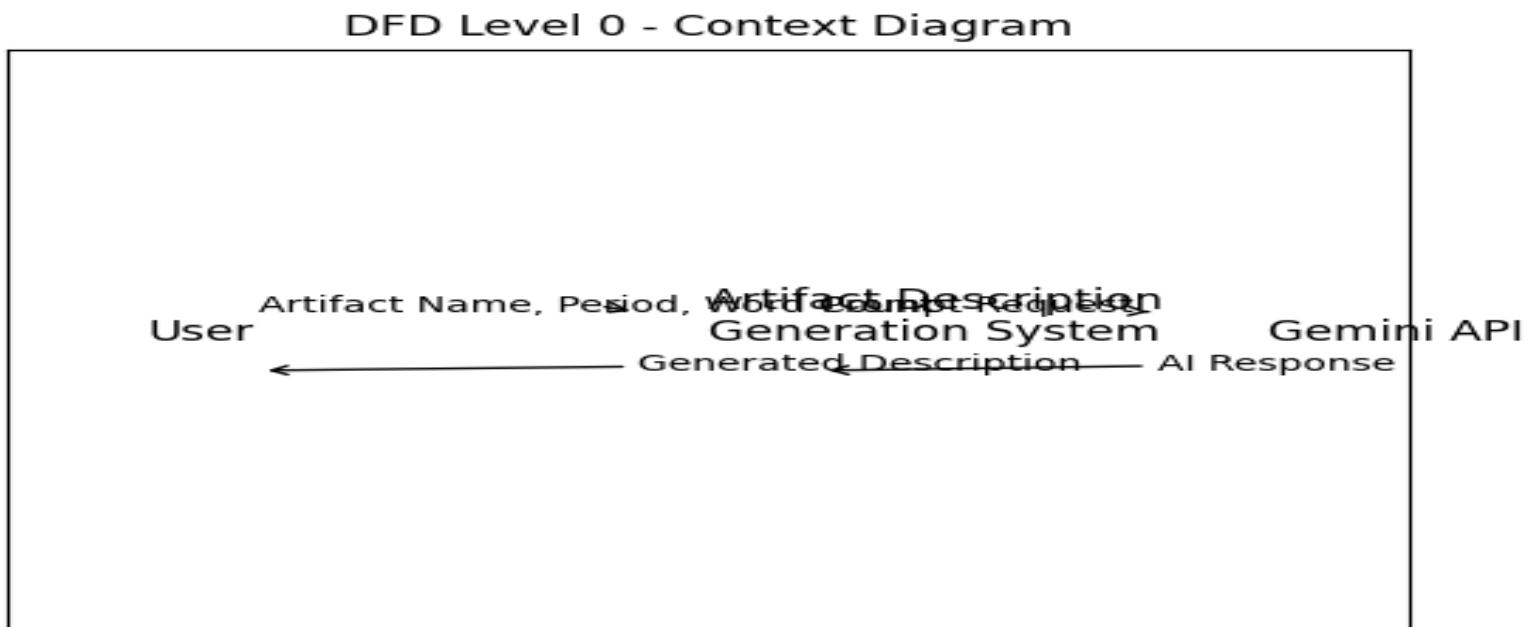
Project Design Phase-II

Data Flow Diagram & User Stories

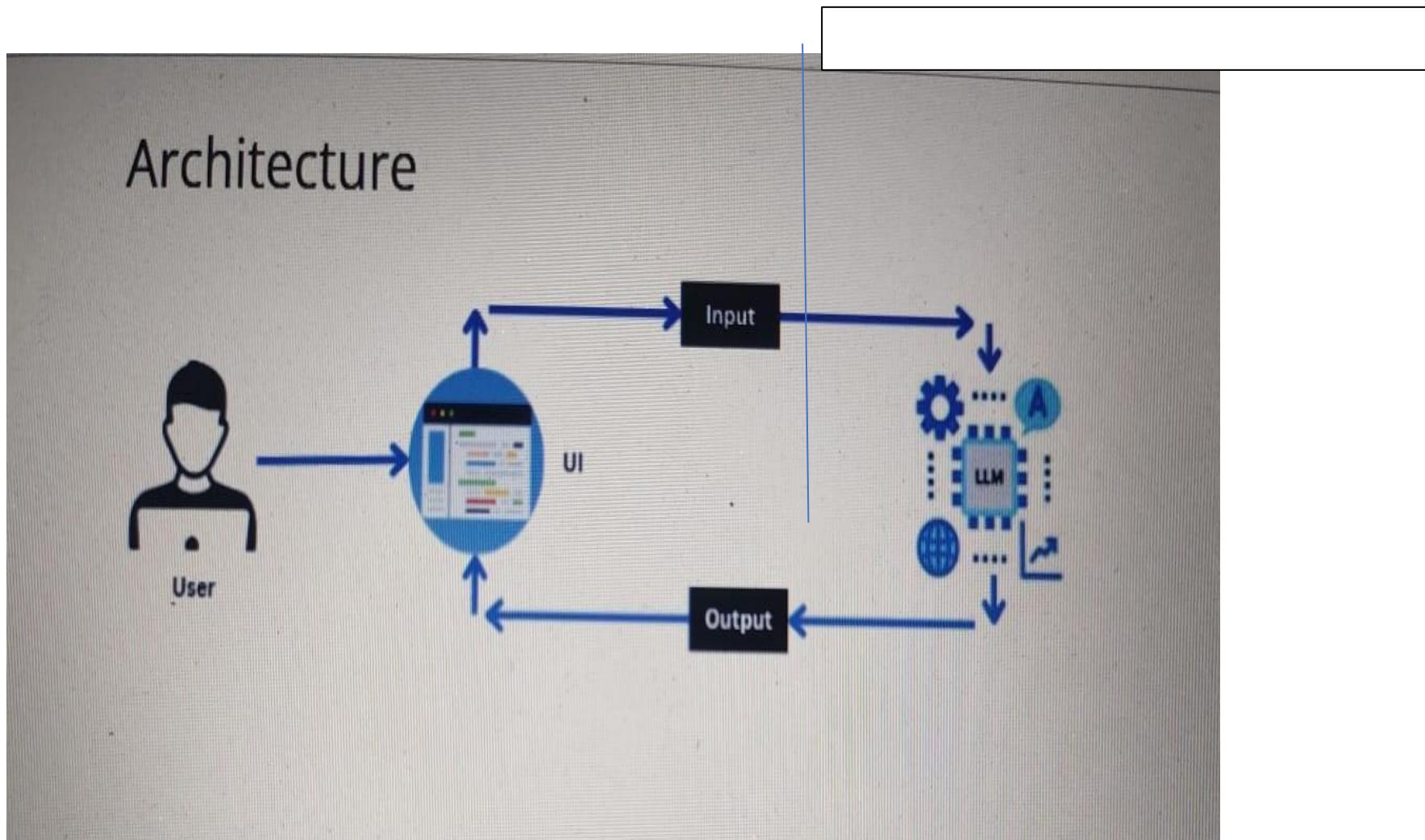
Date	31 January 2025
Team ID	LTVIP2026TMIDS81727
Project Name	Gemini historical artifact description
Maximum Marks	4 Marks

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_Gemini_Artifact_Explorer



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