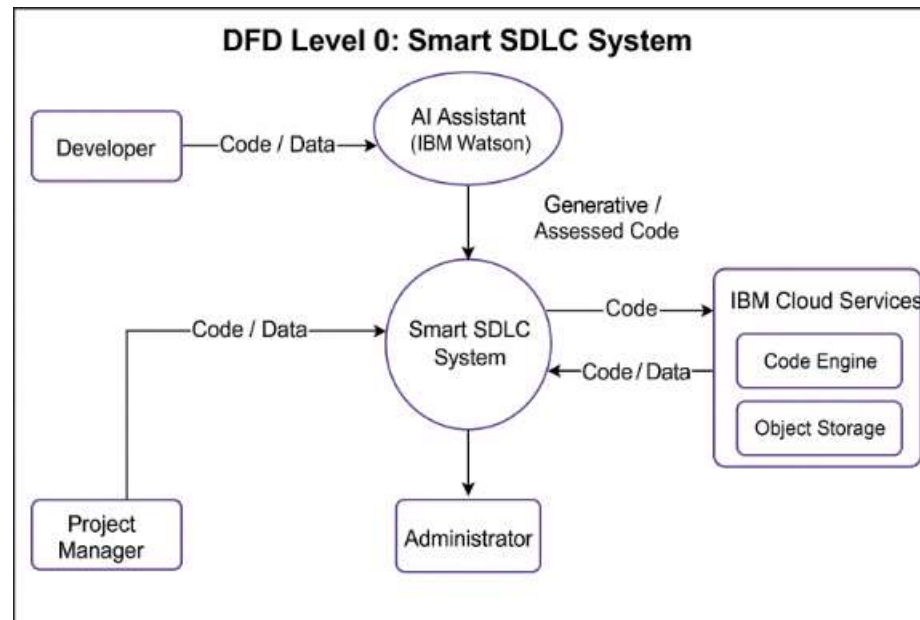


Project Design Phase-II Data Flow Diagram & User Stories

Date	31 January 2025
Team ID	LTVIP2025TMID29410
Project Name	Smart SDLC using Generative AI on IBM Cloud
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.



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
Developer	Code Submission	USN-1	As a developer, I can submit code snippets for analysis by the AI assistant.	Code is accepted and feedback is shown via UI	High	Sprint-1
Developer	Generative Suggestions	USN-2	As a developer, I can receive smart code suggestions from IBM Watson	Suggestions match current context	High	Sprint-1
Project Manager	Project Tracking	USN-3	As a PM, I can track SDLC progress using analytics dashboard	Dashboard updates real-time using IBM Cloud data	High	Sprint-2
Developer	Cloud Deployment	USN-4	As a developer, I can deploy components on IBM Code Engine	App is deployed successfully with logs	Medium	Sprint-2
AI Assistant	Continuous Learning	USN-5	As an AI Assistant, I can learn from past project data to give better suggestions	Suggestions improve with each iteration	Medium	Sprint-3
Administrator	Role Management	USN-6	As an admin, I can manage users and roles for SDLC system	Users are added, updated or removed successfully	High	Sprint-1
Developer	Document Storage	USN-7	As a developer, I can store design documents in IBM Object Storage	Documents uploaded and retrievable	High	Sprint-1
Project Manager	Alert Configuration	USN-8	As a PM, I can configure alerts for project delays	Alerts fire when project crosses thresholds	Medium	Sprint-2
Administrator	System Monitoring	USN-9	As an admin, I can view system health and usage statistics	Dashboard displays CPU, memory, and usage logs.	High	Sprint-2
Project Manager	Risk Analysis Dashboard	USN-10	As a PM, I can assess project risks using IBM Watson analysis.	Risks are visualized and scored automatically.	Medium	Sprint-3
AI Assistant	Chat-Based Query Support	USN-11	As an AI assistant, I can answer questions about SDLC processes via chat.	Replies are relevant and contextual to project.	Medium	Sprint-3
Administrator	Data Backup & Restore	USN-18	As an admin, I can back up project data and restore it if needed.	System confirms backup success and restore validity.	High	Sprint-2