

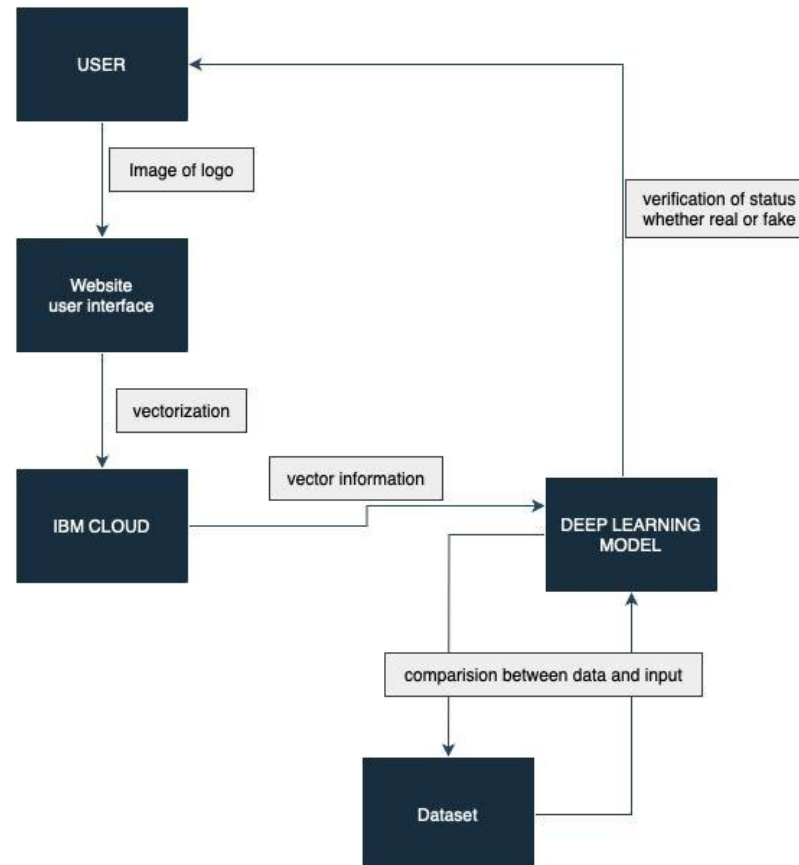
Project Design Phase-II

Data Flow Diagram & User Stories

Date	30 October 2023
Team ID	Team ID – 592449
Project Name	Fake/Real Logo Detection using Deep Learning
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

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
User (Web user)	Image Upload	USN-1	Upload a logo image to the website UI for verification.	Select & upload an image with acceptable formats.	High	Sprint-1
User (Web user)	Verification Feedback	USN-2	Receive feedback on the verification status of logo.	Get a response on logo authenticity after upload.	High	Sprint-2
System	AI Model Verification	USN-3	Use CNN neural network on IBM Cloud for verification.	Process image and provide verification output.	High	Sprint-3
Admin	Dataset Update	USN-4	Update dataset for verification.	Reflect updated data for verification after modification.	Medium	Sprint-4
System	Connection to IBM Cloud	USN-5	Connect to CNN neural network on IBM Cloud.	Send and process verification requests on IBM Cloud.	High	Sprint-5
User (Web user)	UI Feedback & Error Handling	USN-6	Receive clear error messages for issues.	Display clear error messages for unsupported formats.	Medium	Sprint-6
Admin	Monitoring & Logging	USN-7	View logs of verification attempts and errors.	Capture activities and errors in accessible logs.	Medium	Sprint-7
User (Web user)	Data Security & Privacy	USN-8	Assure secure processing and non-storage of logos.	Ensure no storage of user-uploaded images after verify.	High	Sprint-8
System	Scalability & Load Handling	USN-9	Be scalable for multiple simultaneous verifications.	Respond promptly under high load.	Medium	Sprint-9
Admin	System Health & Maintenance Dash.	USN-10	Monitor system health and issues in real-time.	Provide real-time insights through a dashboard.	Medium	Sprint-10