

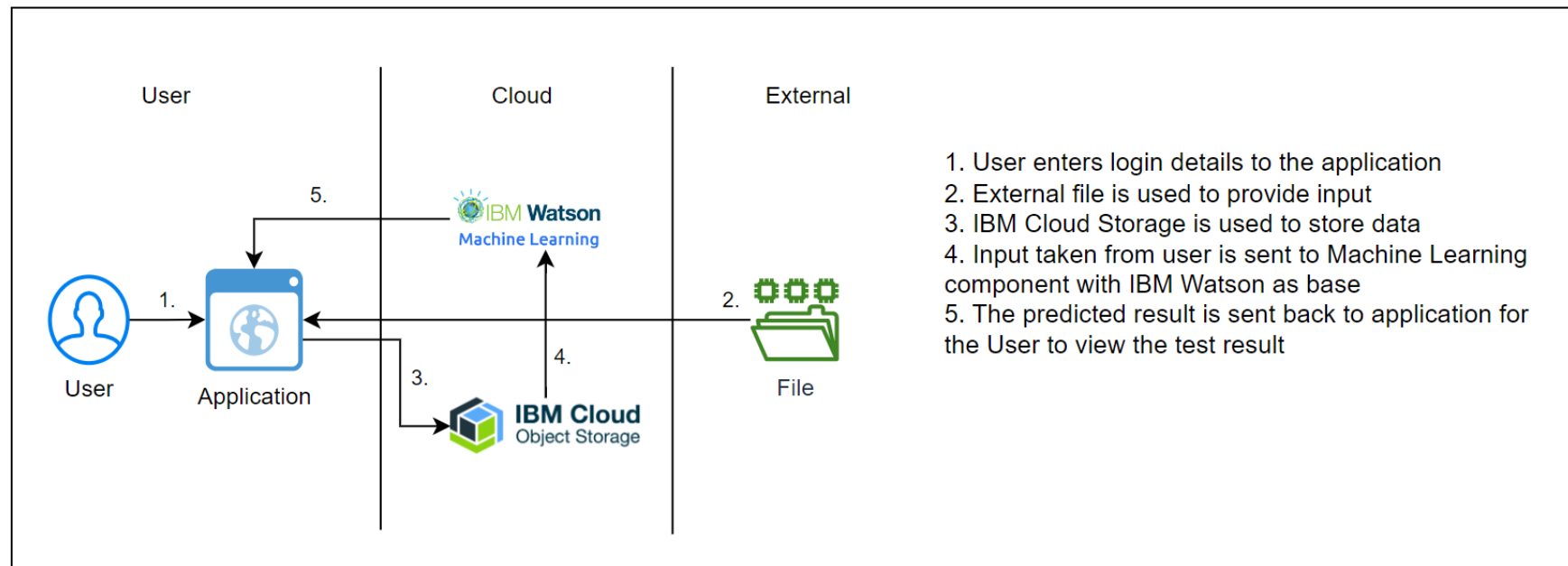
Project Design Phase-II

Data Flow Diagram & User Stories

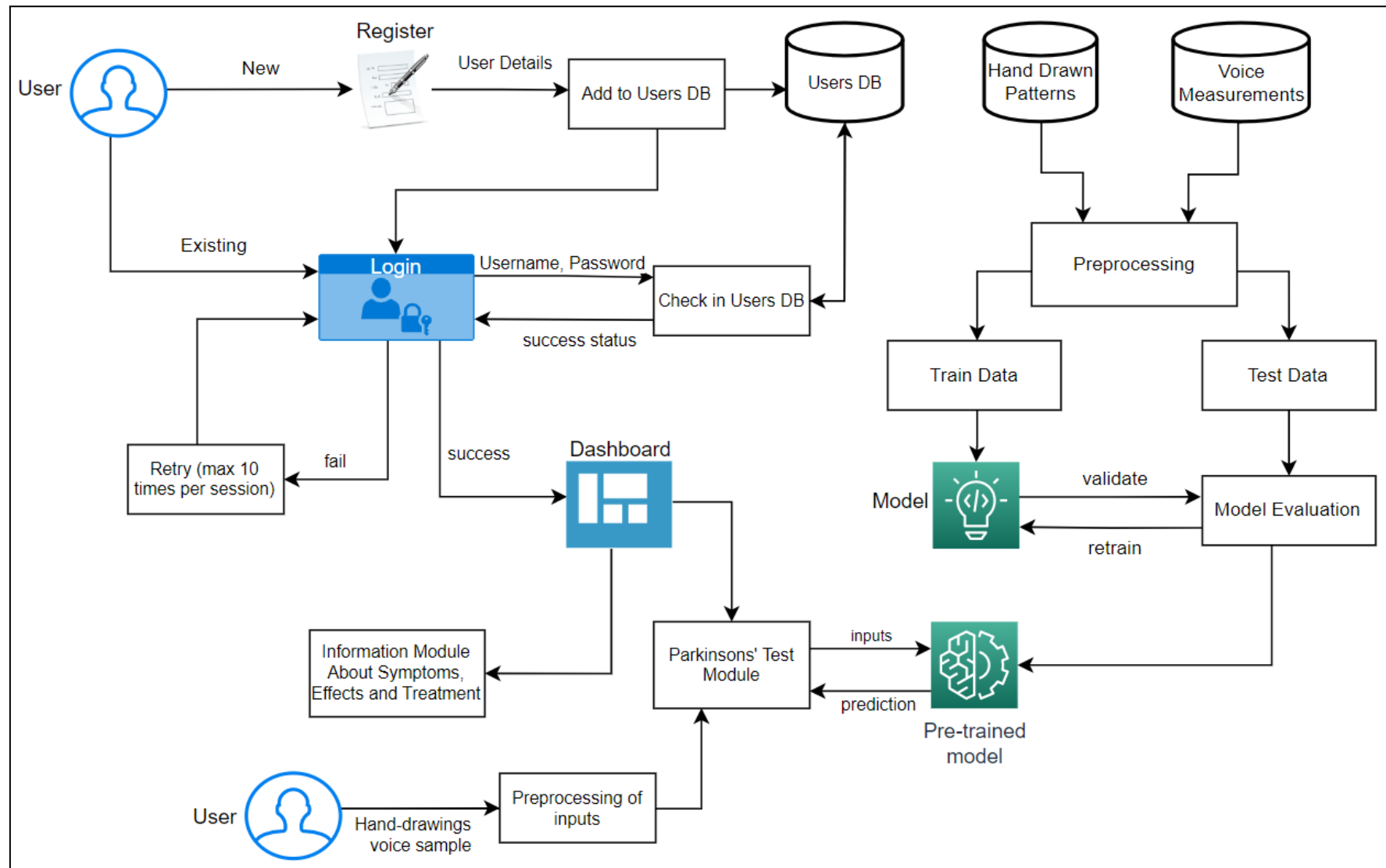
Date	03 October 2022
Team ID	PNT2022TMID35637
Project Name	Project – Detecting Parkinsons' Disease Using Machine Learning
Maximum Marks	4 Marks

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.



DFD Level 0 (Industry Standard)



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Public user)	Registration	USN - 1	As a user, I can register for the application by entering my details	I can access my account	High	Sprint-1
		USN - 2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
	Login	USN - 3	As a user, I can log into the application by entering email & password	I can access my dashboard	High	Sprint-1
	Information	USN - 4	As a user, I can view information about Parkinson's Disease, its symptoms and treatment methods	I can successfully view all the information in the app	Low	Sprint-4
	User Input	USN - 5	As a user, I can upload my files as input	I can see that my files have been uploaded successfully	Medium	Sprint-2
	Results	USN - 6	As a user, I can view my test results that are given after providing the input	I can view my result without any problem	Medium	Sprint-4
	Report Generation	USN - 7	As a user, I can obtain my report	I can obtain my report in a PDF format	Low	Sprint-4
Admin / Developer	Data Collection	USN - 8	As an admin, I need to collect the data to train my machine learning model	I have successfully collected sufficient amount of data	High	Sprint-1
	Data Preprocessing	USN - 9	As an admin, I need to pre process the data so that it is in a ready to use state for training and testing	I get the required training and testing datasets	Medium	Sprint-2
	Model Building	USN - 10	As an admin, I need to use Machine Learning algorithms to train the model for the datasets previously collected	I get a model that has been trained and is ready for evaluation	High	Sprint-2
	Model Evaluation	USN - 11	As an admin, I need to test the model that I have developed	I get a model that has high accuracy in classification	High	Sprint-3
	Deployment of Model and Web App	USN - 12	As an admin, I need to integrate the Machine Learning model with the application and deploy the same	I get a website with a public link with the appropriate UI that contains the deployed model	Medium	Sprint-3

