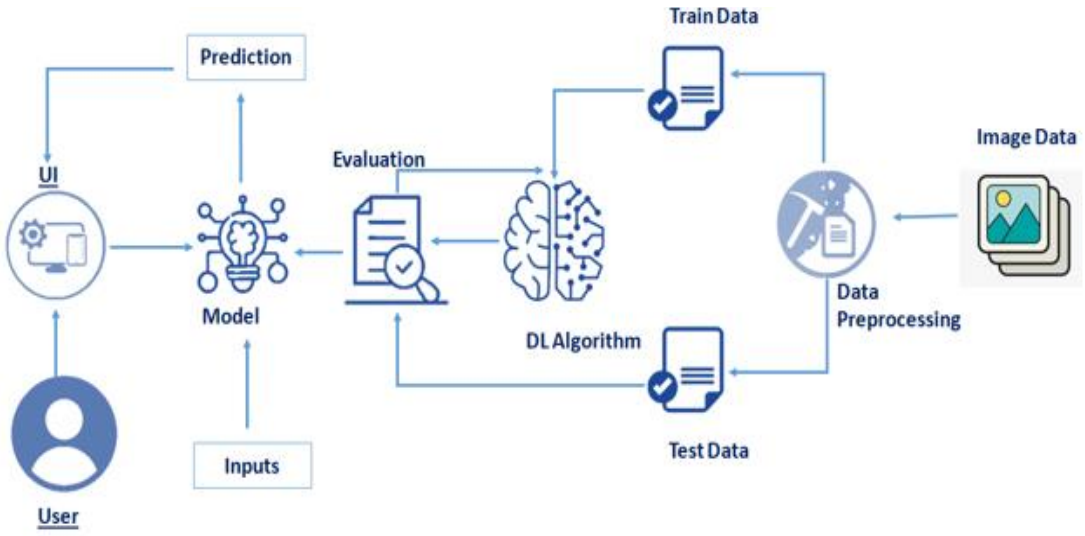
Project Design Phase-II
Data Flow Diagram & User Stories

Date	14 October 2022
Team ID	PNT2022TMID40374
Project Name	Detecting Parkinson's Disease using Machine Learning
Maximum Marks	4 Marks

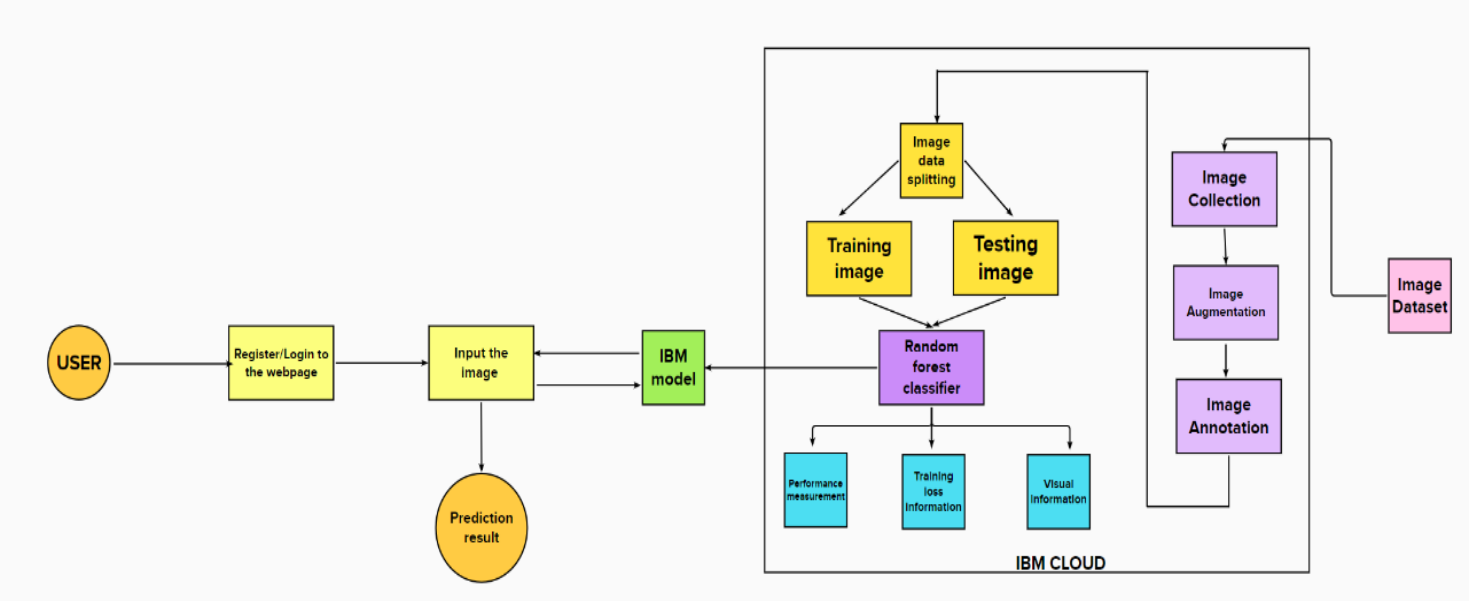
Data Flow Diagrams:

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.

Simplified:



DFD Level 0 (Industry Standard):



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
Customer (Web user)	Home Page	USN-1	Description about Parkinson's disease.	I can get an idea about the disease.	Low	Sprint-3
		USN-2	Details about the test vitals required for the testing.		Low	Sprint-3
	Registration	USN-3	As a user, I can register for the application by entering my username, email, phone number, and password, and confirming my password.	I can access my account.	Moderate	Sprint-3
		USN-4	As a user, I will receive a confirmation mail once I have registered for the application.	I can receive a confirmation OTP upon registration for verification.	High	Sprint-3
	Login	USN-5	As a user, I can log in to the web application by entering my email id & password.	I can log in successfully.	High	Sprint-2
	Main Page(Test vitals)	USN-6	As a user, I submit the required image for the prediction.	I can access the page and can submit the input.	Moderate	Sprint-4
	Results	USN-7	Results will be displayed along with their accuracy.	I got my results successfully and accurately.	High	Sprint-4
Admin	Data collection	USN-8	Collect the required data for the detection of Parkinson's disease		High	Sprint-1
	Data preprocessing	USN-9	Clean and analyze the data to avoid noise and duplications	As a result I get the desired dataset to get trained.	High	Sprint-1
	Model Building	USN-10	Build the model using a Random forest classifier to classify the images.	Successfully trained the model.	High	Sprint-1
	Deploy the model	USN-11	Deployment of ML model using IBM Watson Studio, object storage.	Deployed successfully.	High	Sprint-2
	Integrate the web app with the IBM model	USN-12	Use flask for the integration purpose.	Created the web app successfully.	Moderate	Sprint-2