

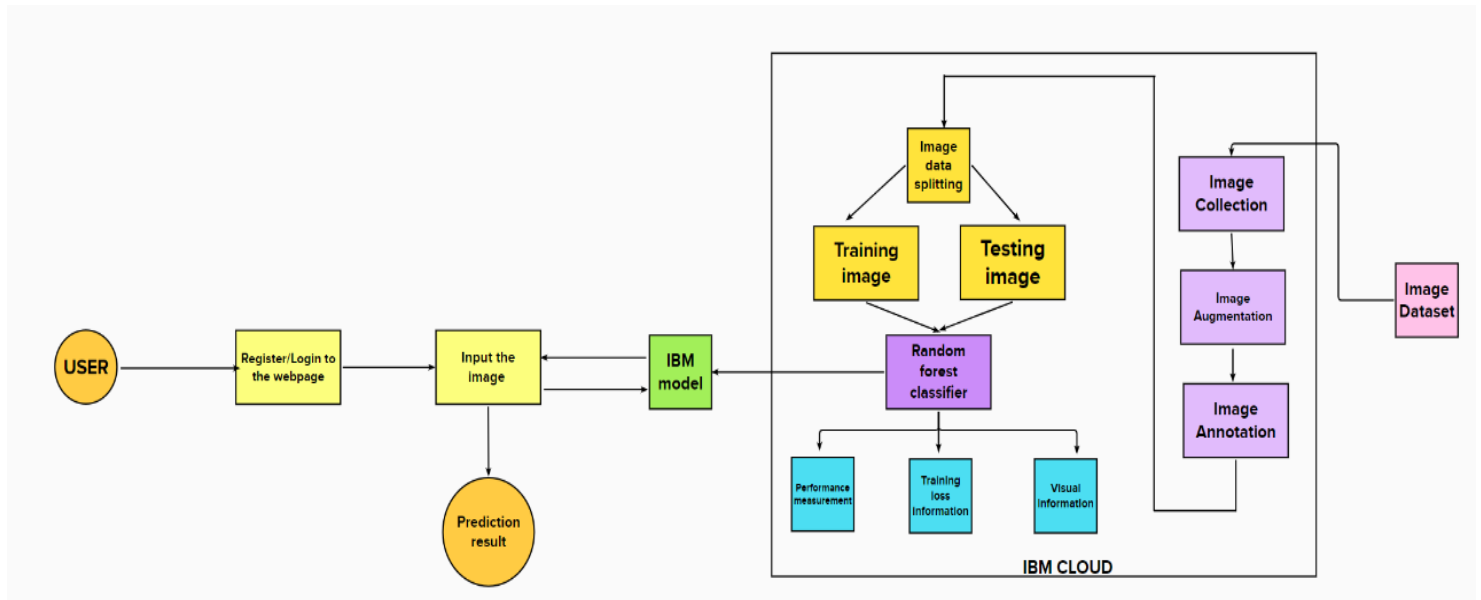
## Project Design Phase-II

### Data Flow Diagram & User Stories

Date	29 October 2022
Team ID	PNT2022TMID35429
Project Name	Project - Project - Detecting Parkinson's Disease using Machine Learning.
Maximum Marks	4 Marks

#### Data Flow Diagrams:

A Data Flow Diagram (DFD) is an example of how information might flow through a system. It includes data inputs, outputs and several subprocesses that might modify the data. A neat and clear DFD graphically represents what the system requires accurately. 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
Customer (Web user)	Home Page	USN-1	Description about Parkinson's disease.	I understand the outline of this 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 am able to 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 have received an OTP for verification which confirmed my registration.	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 application successfully.	Moderate	Sprint-2