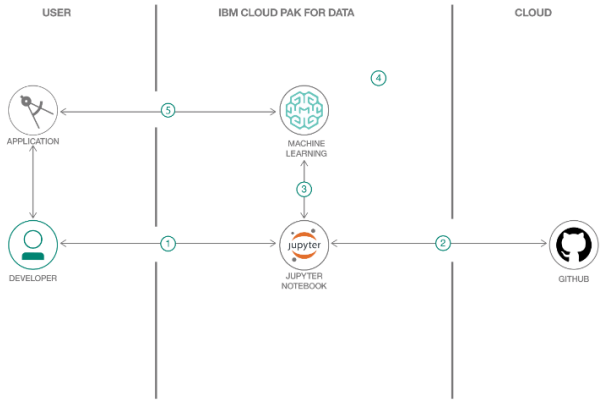
Project Design Phase-II
Data Flow Diagram & User Stories

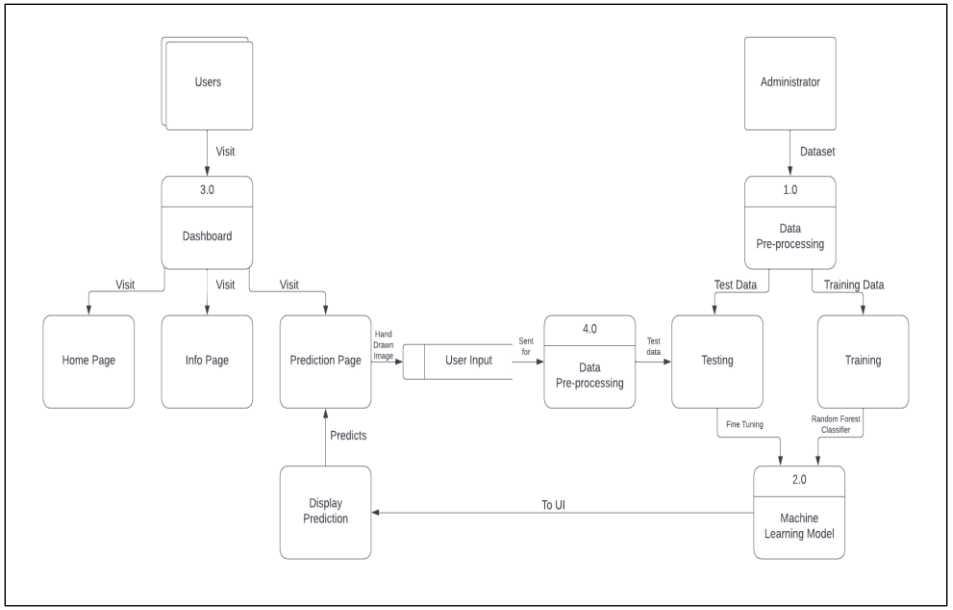
Date	03 October 2022
Team ID	PNT2022TMID53042
Project Name	Detection of Parkinson's Disease using Machine Learning
Maximum Marks	4 Marks

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.



DFD Level 0 (Industry Standard)



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, username, roll number password	I can access my account / dashboard	High	Sprint-1
	Registration	USN-2	As a user, I can login into the application using username and password	I can sign-in to log into my personalized account	High	Sprint-1
	User Action	USN-3	As a user, I should be able to change my password	I can change my password with my new credentials	High	Sprint-1
	Dashboard	USN-4	As a user, I can access my dashboard page	I can access the detection dashboard	Medium	Sprint-1
	User Action	USN-5	As a user, I can access the dataset of multiple hand drawn spiral and wave images	I can access multiple datasets	Medium	Sprint-2
	Model Enhancement	USN-6	As a user, I need a machine learning model that can pre-process the images	The new images thus formed should be perfectly pre-processed	High	Sprint-2
Customer (Web user)	Model Enhancement	USN-7	As a user, I need a machine learning model that can predict the disease with low error and better accuracy	The accuracy of the new model must be better than the old one	High	Sprint-2
Customer Care Executive	Cloud Deployment	USN-8	As a user, I need the application to be accessible all over the world	I can run predictions from anywhere in the world and at any time	High	Sprint-3
Administrator	Dashboard	USN-9	As a user, I can upload the image to check the prediction	I can enable access to my documents	High	Sprint-3
	Prediction	USN-10	As a user, I can get the predicted results from the cloud	I can access the model generated	High	Sprint-3
	Dashboard	USN-11	As a user, I can check the suggestions if prediction shows “Has Parkinson”	I can read the suggestions	High	Sprint-4
	Dashboard	USN-12	As a user, I can read more about the disease	I can read more about the disease	Low	Sprint-4
	Launch Application	USN-13	As a user, I can launch the application and generate the prediction	I can access the application from anywhere in the world at any time	High	Sprint-4