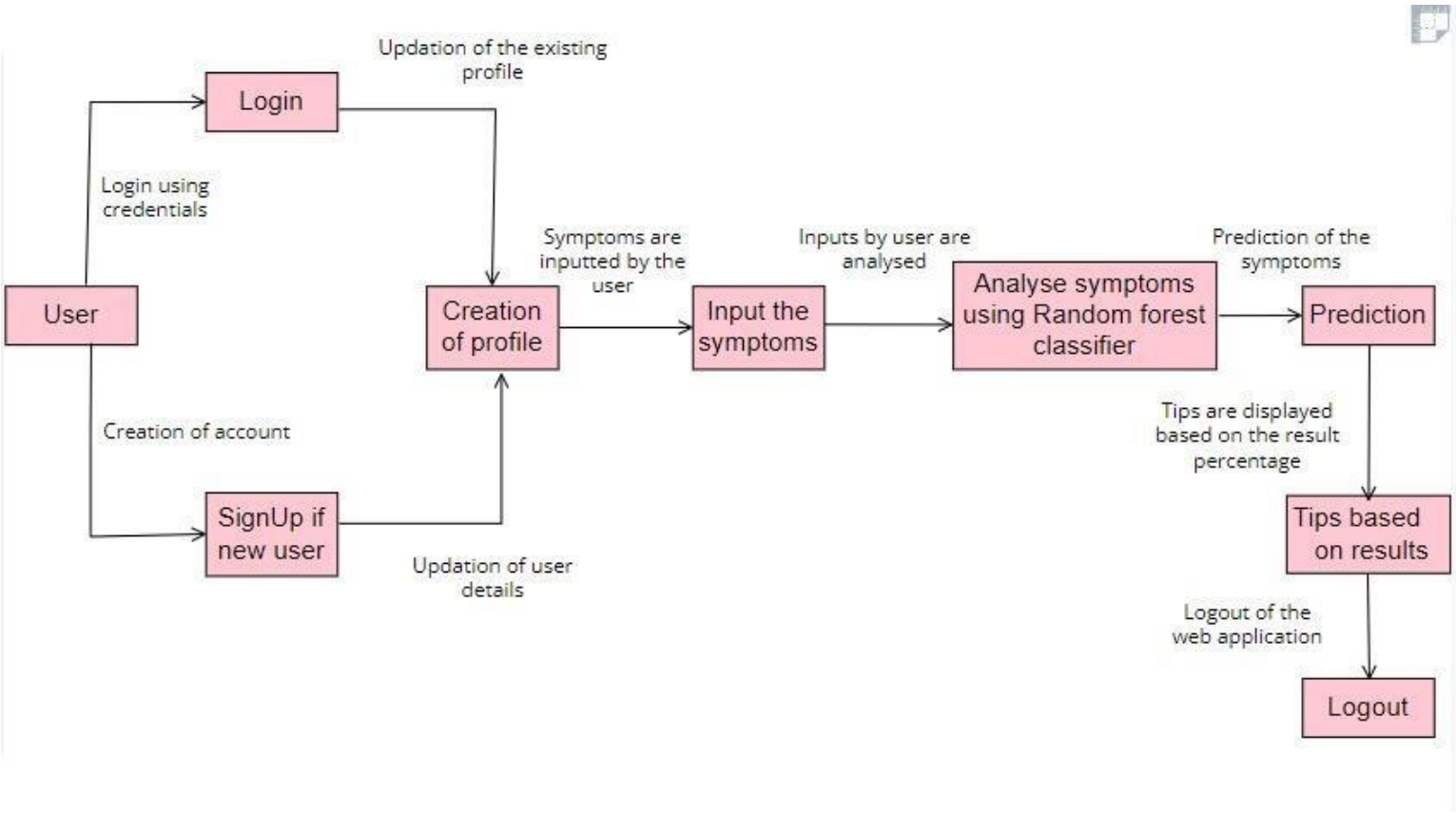
Project Design Phase-II
Data Flow Diagram & User Stories

Date	26 October 2022
Team ID	PNT2022TMID02577
Project Name	Project - Project - 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.



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 the Parkinson's disease.	I can get an idea about the disease.	Low	Sprint-3
		USN-2	Details about the symptoms of the user is required. .		Low	Sprint-3
	Registration	USN-3	As a user, I can register to the web application by entering my username, email, phone number, and password, and confirming my password.	I can access my account in a secured way .	Moderate	Sprint-3
		USN-4	As a user, I will receive a confirmation mail once I have signed up.	I will 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 as I am authorised.	High	Sprint-2
	Main Page(Test vitals)	USN-6	As a user, I submit the symptoms and the medical history required for the prediction.	I can access the the web application and can submit the inputs required.	Moderate	Sprint-4
	Results	USN-7	Results will be displayed along with their accuracy.	I get my results 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 and HOG to classify the images.	The trained model is successfully deployed.	High	Sprint-1

	Deploy the model	USN-11	Deployment of ML model using IBM Watson..	The web application is deployed successfully.	High	Sprint-2
	Integrate the web app with the IBM model	USN-12	Usage of flask for the integration purpose.	The web application is created successfully.	Moderate	Sprint-2